

Independent partial invariants to the total affine transformation of the 3D tensor fields up the order 4

1

The generating graph is given by the list of edges, e.g. the column 2 means a three-edge
3

connecting the nodes 1, 2 and 3. The letter “V” means contravariant value index. The diftong “A0” is non-existing node, the corresponding edge leads to “nowhere”. The three-edges are drawn as tripods with three arms. The black arm correspond to the coordinate index and the magenta arm correspond to the contravariant value index.

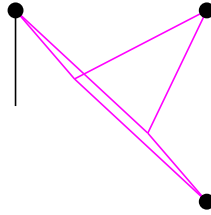
$$\begin{aligned}
 P_1^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} \\
 & - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(22)} + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(12)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(10)} \\
 & + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} - m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} \\
 & + m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} \\
 & + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)}
 \end{aligned}$$

$$\begin{aligned}
 P_1^{(2)} = & m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(11)} \\
 & - m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(22)} + m_{000}^{(01)} m_{000}^{(12)} m_{010}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(12)} - m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(10)} \\
 & + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(20)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(10)} \\
 & + m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} \\
 & + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)}
 \end{aligned}$$

$$\begin{aligned}
 P_1^{(3)} = & m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{001}^{(11)} \\
 & - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(22)} + m_{000}^{(01)} m_{000}^{(12)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(12)} - m_{000}^{(01)} m_{000}^{(22)} m_{001}^{(10)} \\
 & + m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(20)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(10)} \\
 & + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{001}^{(00)} \\
 & + m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)}
 \end{aligned}$$

Generating graph:

V1	V1	1
V2	V2	A0
V3	V3	A0



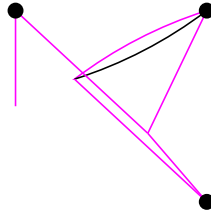
$$\begin{aligned}
P_2^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(20)} - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(12)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(10)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(21)} + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(20)} + m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(11)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} \\
& - m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_2^{(2)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(11)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(21)} + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(21)} - m_{000}^{(01)} m_{000}^{(12)} m_{010}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(12)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(11)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(11)} + m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(10)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(10)} \\
& - m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} \\
& - m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_2^{(3)} = & -m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{001}^{(11)} \\
& + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(22)} - m_{000}^{(01)} m_{000}^{(12)} m_{001}^{(20)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(12)} + m_{000}^{(01)} m_{000}^{(22)} m_{001}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} + m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(20)} \\
& - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} + m_{000}^{(02)} m_{000}^{(20)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} - m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(10)} \\
& - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} - m_{000}^{(11)} m_{000}^{(22)} m_{001}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

V1 V2 V1
V2 2 A0
V3 V3 A0



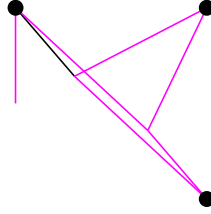
$$\begin{aligned}
P_3^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(10)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} \\
& + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_3^{(2)} = & m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(11)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(21)} + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(21)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(11)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(21)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} \\
& + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)}
\end{aligned}$$

$$\begin{aligned}
P_3^{(3)} = & m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(12)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(22)} + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(22)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(12)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(12)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} \\
& + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)}
\end{aligned}$$

Generating graph:

V1 1 V1
V2 V2 A0
V3 V3 A0

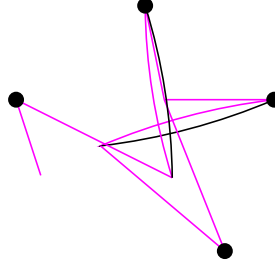


$$\begin{aligned}
P_4^{(1)} = & -(m_{000}^{(00)})^2 m_{010}^{(12)} m_{010}^{(22)} + (m_{000}^{(00)})^2 m_{010}^{(12)} m_{001}^{(12)} + (m_{000}^{(00)})^2 m_{010}^{(21)} m_{010}^{(22)} \\
& - (m_{000}^{(00)})^2 m_{010}^{(21)} m_{001}^{(21)} - (m_{000}^{(00)})^2 m_{001}^{(11)} m_{001}^{(12)} + (m_{000}^{(00)})^2 m_{001}^{(11)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(12)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(12)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(22)} m_{010}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(22)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(21)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(20)} m_{001}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{001}^{(10)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{001}^{(11)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(02)} m_{100}^{(11)} m_{010}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{100}^{(12)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(02)} m_{100}^{(21)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(02)} m_{100}^{(21)} m_{001}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(10)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(10)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(20)} m_{010}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{100}^{(21)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(10)} m_{100}^{(21)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{100}^{(22)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{100}^{(22)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(02)} m_{010}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(12)} m_{001}^{(02)} - m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(20)} m_{010}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(20)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(22)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(10)} m_{001}^{(01)} m_{001}^{(12)} \\
& - m_{000}^{(00)} m_{000}^{(10)} m_{001}^{(01)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(10)} m_{001}^{(02)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(10)} m_{001}^{(10)} m_{001}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(01)} m_{010}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(01)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} (m_{010}^{(20)})^2 \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(20)} m_{100}^{(11)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(01)} m_{010}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(12)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(20)} m_{001}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(21)} m_{001}^{(01)} - m_{000}^{(00)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{001}^{(10)} m_{001}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(21)} m_{010}^{(00)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(21)} (m_{001}^{(10)})^2 - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{010}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(12)} m_{100}^{(22)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(22)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(00)} + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(00)} \\
& -(m_{000}^{(12)})^2 m_{100}^{(01)} m_{100}^{(22)} + (m_{000}^{(12)})^2 m_{100}^{(01)} m_{001}^{(02)} + (m_{000}^{(12)})^2 m_{100}^{(20)} m_{100}^{(21)} \\
& -(m_{000}^{(12)})^2 m_{100}^{(20)} m_{010}^{(00)} - (m_{000}^{(12)})^2 m_{100}^{(21)} m_{001}^{(00)} + (m_{000}^{(12)})^2 m_{100}^{(22)} m_{010}^{(00)} \\
& -(m_{000}^{(12)})^2 m_{010}^{(00)} m_{001}^{(02)} + (m_{000}^{(12)})^2 m_{010}^{(20)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(20)} m_{010}^{(12)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(20)} m_{001}^{(11)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(01)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} \\
& +m_{000}^{(12)} m_{000}^{(20)} (m_{001}^{(01)})^2 - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(21)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(01)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(10)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(21)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(10)} \\
& +m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(21)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(21)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(20)} \\
& -m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(11)} m_{100}^{(20)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(00)} \\
& +m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(10)} + m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(20)} \\
& +m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(12)} \\
& -m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(11)} - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(02)} + m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(01)} \\
& -m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(01)} m_{010}^{(02)} \\
& -m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(01)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(01)} \\
& -m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(12)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(10)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(00)} \\
& +m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(00)} - m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} + m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(00)} \\
& -(m_{000}^{(22)})^2 m_{100}^{(01)} m_{100}^{(11)} + (m_{000}^{(22)})^2 m_{100}^{(01)} m_{010}^{(01)} + (m_{000}^{(22)})^2 m_{100}^{(10)} m_{100}^{(11)} \\
& -(m_{000}^{(22)})^2 m_{100}^{(10)} m_{010}^{(10)} - (m_{000}^{(22)})^2 m_{010}^{(00)} m_{010}^{(01)} + (m_{000}^{(22)})^2 m_{010}^{(00)} m_{010}^{(10)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V2 & V3 & V1 \\
V2 & V3 & 3 & A0 \\
2 & V4 & V4 & A0
\end{array}$$

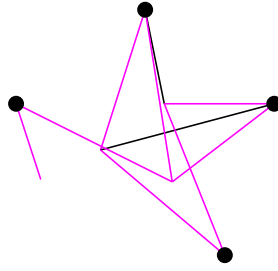


$$P_5^{(1)} = m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(11)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(12)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{100}^{(21)} m_{001}^{(12)}$$

$$\begin{aligned}
& +m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(21)} m_{001}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{010}^{(22)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(22)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(21)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(12)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(11)} + m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(01)} \\
& -m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(01)} + m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} + m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(10)} - m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(11)} m_{001}^{(00)} + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(22)} \\
& -m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(22)} - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(02)} \\
& -m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(22)} + m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(21)} \\
& -m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(12)} + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(12)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(12)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} m_{001}^{(10)} \\
& + (m_{000}^{(12)})^2 m_{100}^{(00)} m_{010}^{(22)} - (m_{000}^{(12)})^2 m_{100}^{(00)} m_{001}^{(21)} - (m_{000}^{(12)})^2 m_{100}^{(01)} m_{100}^{(22)} \\
& + (m_{000}^{(12)})^2 m_{100}^{(02)} m_{100}^{(21)} - (m_{000}^{(12)})^2 m_{100}^{(20)} m_{010}^{(02)} + (m_{000}^{(12)})^2 m_{100}^{(20)} m_{001}^{(01)} \\
& + (m_{000}^{(12)})^2 m_{010}^{(00)} m_{001}^{(20)} - (m_{000}^{(12)})^2 m_{010}^{(20)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(21)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(01)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{010}^{(22)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(20)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(21)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(00)} m_{010}^{(22)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(00)} m_{001}^{(21)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{100}^{(22)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{100}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(20)} m_{010}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(20)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(20)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(20)} m_{001}^{(00)} \\
& -m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(12)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(11)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} \\
& -m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(01)} \\
& -m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)} + m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} \\
& -m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(11)} - m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(11)} m_{001}^{(01)} + m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(01)} \\
& -m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} - m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(10)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(10)} \\
& + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(11)} m_{001}^{(00)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(12)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(11)} \\
& -m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(02)} \\
& + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(00)} + m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} - m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

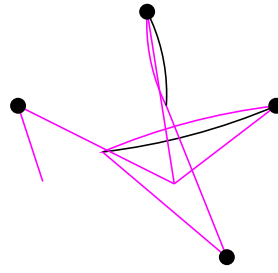
$$\begin{aligned}
V1 & \quad 2 \quad V2 \quad V1 \\
V2 & \quad V3 \quad 3 \quad A0 \\
V3 & \quad V4 \quad V4 \quad A0
\end{aligned}$$



$$\begin{aligned}
& -m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{010}^{(22)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} m_{010}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(20)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(22)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(20)} \\
& + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(21)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(21)} m_{001}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(10)} - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(10)} \\
& - m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(12)} + m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(02)} \\
& - m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(01)} + m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} - m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} \\
& - m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(10)} m_{010}^{(10)} + m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)} + m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(02)} \\
& - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(02)} m_{001}^{(21)} - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(22)} m_{001}^{(01)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(02)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(21)} \\
& - m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(12)} + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(02)} m_{001}^{(11)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(02)} - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(12)} m_{001}^{(01)} - m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(11)} - m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(10)} \\
& - (m_{000}^{(12)})^2 m_{100}^{(01)} m_{100}^{(22)} + (m_{000}^{(12)})^2 m_{100}^{(01)} m_{001}^{(20)} + (m_{000}^{(12)})^2 m_{100}^{(02)} m_{100}^{(21)} \\
& - (m_{000}^{(12)})^2 m_{100}^{(02)} m_{010}^{(20)} - (m_{000}^{(12)})^2 m_{100}^{(21)} m_{001}^{(00)} + (m_{000}^{(12)})^2 m_{100}^{(22)} m_{010}^{(00)} \\
& - (m_{000}^{(12)})^2 m_{010}^{(00)} m_{001}^{(20)} + (m_{000}^{(12)})^2 m_{010}^{(20)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{010}^{(22)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(01)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{010}^{(22)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(20)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(22)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{100}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(20)} \\
& - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(21)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(21)} m_{001}^{(00)} \\
& - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(00)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(10)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} \\
& + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(10)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} - m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(12)} \\
& - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(02)} + m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(01)} \\
& - m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(10)} \\
& - m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(12)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(10)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(00)} \\
& + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(00)} - m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} + m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V2 & V3 & V1 \\
V2 & 2 & 3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$



$$\begin{aligned}
& +m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(10)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(11)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(01)} m_{001}^{(22)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(02)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(02)} + m_{000}^{(02)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(21)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{100}^{(11)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(01)} - m_{000}^{(02)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} \\
& - m_{000}^{(02)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(12)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(01)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(02)} \\
& - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(01)} + m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)} \\
& + (m_{000}^{(10)})^2 m_{010}^{(02)} m_{001}^{(22)} - (m_{000}^{(10)})^2 m_{010}^{(22)} m_{001}^{(02)} - (m_{000}^{(10)})^2 m_{001}^{(01)} m_{001}^{(22)} \\
& + (m_{000}^{(10)})^2 m_{001}^{(02)} m_{001}^{(21)} - m_{000}^{(10)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(22)} + m_{000}^{(10)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(22)} - m_{000}^{(10)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(20)} + m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(22)} \\
& - m_{000}^{(10)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(22)} - m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(02)} m_{001}^{(20)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(12)} m_{010}^{(22)} m_{001}^{(00)} - m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(21)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(12)} - m_{000}^{(10)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(21)} \\
& + m_{000}^{(10)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(01)} + m_{000}^{(10)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(01)} + m_{000}^{(10)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(12)} \\
& - m_{000}^{(10)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(21)} - m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(22)} m_{001}^{(01)} \\
& - m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(21)} + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(21)} \\
& + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(21)} m_{001}^{(01)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(21)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(10)} \\
& - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(20)} m_{001}^{(01)} + m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} \\
& - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} m_{001}^{(10)} + m_{000}^{(11)} m_{000}^{(12)} m_{100}^{(02)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(12)} m_{100}^{(22)} m_{001}^{(00)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(12)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(20)} \\
& - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(12)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(21)} \\
& - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(20)} + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(20)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(10)} + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(21)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(20)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(20)} m_{001}^{(00)} - (m_{000}^{(12)})^2 m_{100}^{(01)} m_{001}^{(20)} + (m_{000}^{(12)})^2 m_{100}^{(21)} m_{001}^{(00)} \\
& + (m_{000}^{(12)})^2 m_{010}^{(00)} m_{001}^{(20)} - (m_{000}^{(12)})^2 m_{010}^{(20)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(12)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(12)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} \\
& + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(10)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} \\
& + m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)} + (m_{000}^{(20)})^2 m_{010}^{(02)} m_{001}^{(11)} - (m_{000}^{(20)})^2 m_{010}^{(12)} m_{001}^{(01)} \\
& - m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} + m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} - m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(11)} + m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(11)} - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(01)} \\
& - m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)} + (m_{000}^{(21)})^2 m_{100}^{(02)} m_{001}^{(10)} \\
& - (m_{000}^{(21)})^2 m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(10)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(00)} \\
& + m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(10)} - m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(00)}
\end{aligned}$$

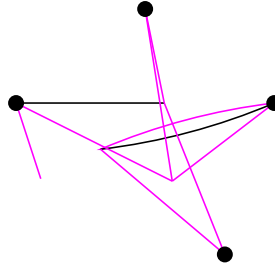
Generating graph:

$$\begin{array}{llll}
V1 & V1 & V3 & 1 \\
V2 & V2 & 3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$

$$\begin{aligned}
& +m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} - m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} + m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(10)} \\
& -m_{000}^{(12)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(00)} + (m_{000}^{(20)})^2 m_{010}^{(02)} m_{001}^{(11)} - (m_{000}^{(20)})^2 m_{010}^{(12)} m_{001}^{(01)} \\
& -m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(11)} + m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} - m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} \\
& +m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(00)} + m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(12)} - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(02)} \\
& -m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(10)} + (m_{000}^{(21)})^2 m_{100}^{(02)} m_{001}^{(10)} \\
& -(m_{000}^{(21)})^2 m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} \\
& -m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(10)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(00)}
\end{aligned}$$

Generating graph:

$V1 \quad 1 \quad V3 \quad V1$
 $V2 \quad V2 \quad 3 \quad A0$
 $V3 \quad V4 \quad V4 \quad A0$



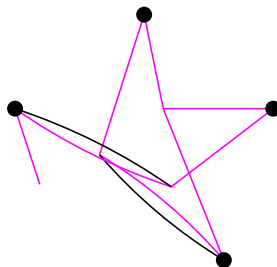
$$\begin{aligned}
P_9^{(1)} = & m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(20)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(20)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(22)} m_{001}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(01)} m_{001}^{(10)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(12)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(12)} m_{001}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(10)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(20)} m_{001}^{(22)} \\
& +m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(20)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(22)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(10)} m_{001}^{(10)} m_{001}^{(21)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(12)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(12)} (m_{010}^{(20)})^2 - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(12)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(20)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{001}^{(10)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{010}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(21)} (m_{001}^{(10)})^2 - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(11)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(12)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(01)} + (m_{000}^{(20)})^2 m_{100}^{(11)} m_{010}^{(12)} - (m_{000}^{(20)})^2 m_{100}^{(11)} m_{001}^{(11)} \\
& - (m_{000}^{(20)})^2 m_{010}^{(01)} m_{010}^{(12)} + (m_{000}^{(20)})^2 m_{010}^{(01)} m_{001}^{(11)} - m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(12)} \\
& - m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(11)} m_{010}^{(02)} + m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(01)} + m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(10)} \\
& + m_{000}^{(20)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(01)} + m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(01)} m_{010}^{(02)} - m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(01)} m_{001}^{(01)} \\
& - m_{000}^{(20)} m_{000}^{(21)} m_{010}^{(01)} m_{001}^{(10)} + m_{000}^{(20)} m_{000}^{(22)} (m_{100}^{(11)})^2 - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(01)} \\
& - m_{000}^{(20)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(10)} + m_{000}^{(20)} m_{000}^{(22)} m_{010}^{(01)} m_{010}^{(10)} + (m_{000}^{(21)})^2 m_{100}^{(02)} m_{100}^{(11)} \\
& - (m_{000}^{(21)})^2 m_{100}^{(02)} m_{010}^{(01)} - (m_{000}^{(21)})^2 m_{100}^{(11)} m_{001}^{(00)} + (m_{000}^{(21)})^2 m_{010}^{(01)} m_{001}^{(00)} \\
& - m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(11)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(01)} + m_{000}^{(21)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(00)} \\
& - m_{000}^{(21)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(01)}
\end{aligned}$$

$$\begin{aligned}
P_9^{(3)} = & m_{000}^{(00)} m_{000}^{(01)} (m_{010}^{(22)})^2 - m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(22)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{010}^{(22)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{001}^{(12)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(12)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(12)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{010}^{(22)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{001}^{(11)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} (m_{010}^{(22)})^2 \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(22)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(10)} m_{010}^{(22)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(10)} m_{001}^{(12)} m_{001}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(02)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(12)} m_{001}^{(20)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(12)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(12)} m_{001}^{(02)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{010}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(02)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(12)} m_{010}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{001}^{(11)} m_{001}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{010}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(22)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(10)} m_{001}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(12)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(11)} \\
& - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(12)} - (m_{000}^{(01)})^2 m_{100}^{(22)} m_{010}^{(22)} \\
& + (m_{000}^{(01)})^2 m_{100}^{(22)} m_{001}^{(12)} + (m_{000}^{(01)})^2 m_{010}^{(22)} m_{001}^{(20)} - (m_{000}^{(01)})^2 m_{001}^{(12)} m_{001}^{(20)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{100}^{(12)} m_{010}^{(22)} - m_{000}^{(01)} m_{000}^{(02)} m_{100}^{(12)} m_{001}^{(12)} + m_{000}^{(01)} m_{000}^{(02)} m_{100}^{(12)} m_{010}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{010}^{(20)} m_{010}^{(22)} + m_{000}^{(01)} m_{000}^{(02)} m_{010}^{(20)} m_{001}^{(12)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{010}^{(22)} m_{001}^{(10)} + m_{000}^{(01)} m_{000}^{(02)} m_{001}^{(10)} m_{001}^{(12)} + m_{000}^{(01)} m_{000}^{(11)} (m_{100}^{(22)})^2 \\
& - m_{000}^{(01)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(02)} - m_{000}^{(01)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(22)} m_{001}^{(02)} + m_{000}^{(01)} m_{000}^{(12)} m_{010}^{(22)} m_{001}^{(10)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(22)} + m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(12)} - m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(10)} m_{001}^{(12)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(12)} - m_{000}^{(01)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(20)} \\
& + m_{000}^{(01)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(12)} - m_{000}^{(01)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(00)} - m_{000}^{(01)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(01)} \\
& + m_{000}^{(01)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(12)} - m_{000}^{(01)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(12)} + m_{000}^{(01)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(01)} \\
& + m_{000}^{(01)} m_{000}^{(22)} (m_{100}^{(12)})^2 - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(02)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(10)} \\
& + m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(12)} m_{010}^{(22)} - m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(12)} + m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(02)} \\
& - (m_{000}^{(02)})^2 m_{100}^{(11)} m_{010}^{(22)} + (m_{000}^{(02)})^2 m_{100}^{(11)} m_{001}^{(12)} + (m_{000}^{(02)})^2 m_{010}^{(10)} m_{010}^{(22)} \\
& - (m_{000}^{(02)})^2 m_{010}^{(10)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(02)} m_{010}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(12)}
\end{aligned}$$

Generating graph:

V1	V2	V2	V1
1	V3	V4	A0
V3	V4	4	A0

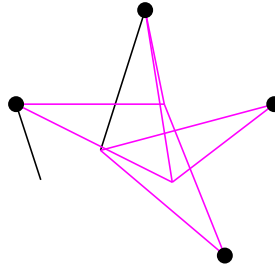


$$\begin{aligned}
 P_{10}^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(01)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} \\
 & + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(02)} \\
 & + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(22)} \\
 & + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(12)} m_{010}^{(20)} \\
 & - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(02)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(01)} \\
 & + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(11)} \\
 & + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(20)} \\
 & - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(21)} m_{001}^{(10)} \\
 & + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(21)} \\
 & - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(02)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(01)} \\
 & + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(21)} m_{010}^{(10)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(01)} m_{001}^{(22)} \\
 & + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(02)} m_{001}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(10)} m_{001}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(12)} m_{001}^{(20)} \\
 & - m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(22)} + 2m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(01)} m_{100}^{(22)} - 2m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(02)} m_{100}^{(21)} \\
 & - 2m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(10)} m_{100}^{(22)} + 2m_{000}^{(01)} m_{000}^{(12)} m_{100}^{(12)} m_{100}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(12)} \\
 & - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(11)} - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(10)} m_{001}^{(21)} - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} \\
 & + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(01)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(20)} m_{001}^{(11)} \\
 & - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(10)} - 2m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(12)} + 2m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(11)} \\
 & + 2m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(21)} - 2m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(11)} m_{100}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(01)} m_{001}^{(22)} \\
 & - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(02)} m_{010}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(10)} m_{010}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(12)} m_{010}^{(20)} \\
 & + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(21)} m_{010}^{(02)} + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(22)} m_{010}^{(01)}
 \end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(01)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(11)} \\
& +m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(11)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(01)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(01)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(11)} m_{001}^{(02)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(01)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(02)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(01)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(01)} + 2m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(12)} \\
& -2m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(21)} + 2m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(20)} - 2m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(12)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(20)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(10)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(01)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(00)} - 2m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(12)} \\
& +2m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(21)} - 2m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(20)} + 2m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(12)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(21)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(20)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(00)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(12)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(00)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(20)} m_{001}^{(01)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(21)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(21)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 2 & 1 \\
V2 & V2 & V3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$

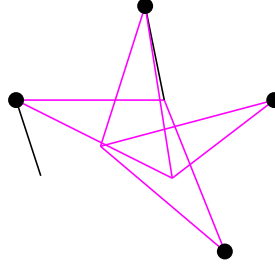


$$\begin{aligned}
P_{11}^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(01)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(02)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(20)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(21)} m_{001}^{(00)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} \\
& + m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(21)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(20)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(12)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(21)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(02)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(01)} + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(20)} m_{001}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(21)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(21)} m_{001}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(10)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(00)} m_{001}^{(12)} \\
& + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{001}^{(21)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(01)} \\
& - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(00)}
\end{aligned}$$

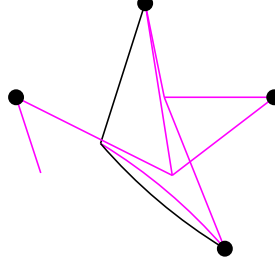
Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
V2 & 2 & V3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$



$$\begin{aligned}
P_{12}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(01)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{010}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(02)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(01)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(11)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(02)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(01)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(10)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(12)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(12)} m_{010}^{(02)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(10)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(12)} m_{001}^{(00)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(01)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(11)}
\end{aligned}$$

V1 V2 2 V1
V2 V3 V4 A0
V3 V4 4 A0

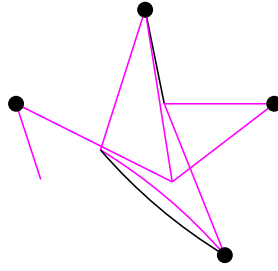


$$\begin{aligned}
P_{13}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(01)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{010}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(21)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(01)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(01)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(02)} m_{010}^{(21)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(11)} m_{100}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(12)} m_{100}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(02)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(01)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(11)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(11)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(11)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(10)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(11)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(22)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(20)} m_{010}^{(22)} + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(20)} m_{001}^{(21)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(21)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(22)} m_{001}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(00)} m_{001}^{(22)} \\
& +m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(00)} m_{001}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(01)} m_{001}^{(20)} \\
& -m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(12)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(11)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(10)} m_{010}^{(22)} \\
& -m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(10)} m_{001}^{(21)} - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(11)} m_{100}^{(22)} + m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(20)} \\
& +m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(21)} - m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(20)} + m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(12)} \\
& -m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(10)} - m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(01)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(11)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(12)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(21)} m_{010}^{(22)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(22)} m_{010}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(10)} m_{001}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(12)} m_{001}^{(20)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(20)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(21)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(10)} m_{001}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(11)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(01)} m_{001}^{(22)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(21)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} m_{010}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(01)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(00)} m_{001}^{(21)} \\
& +m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(12)} - m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(11)} \\
& +m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{010}^{(12)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(21)} \\
& +m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(11)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} m_{010}^{(20)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(10)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(22)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(22)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(21)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(12)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(10)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(01)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(02)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(01)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(22)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(21)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(20)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(00)} + m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} m_{001}^{(10)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(22)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(21)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(22)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(21)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(02)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(00)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(01)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{010}^{(22)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(20)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(20)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(00)} m_{010}^{(22)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(00)} m_{001}^{(21)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{100}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(20)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(21)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(01)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

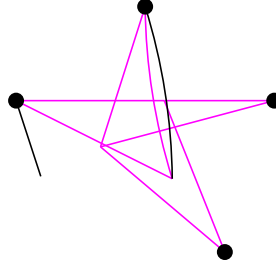
$$\begin{aligned}
V1 & \quad 2 \quad V2 \quad V1 \\
V2 & \quad V3 \quad V4 \quad A0 \\
V3 & \quad V4 \quad 4 \quad A0
\end{aligned}$$



$$\begin{aligned}
& -m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(11)} m_{001}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(21)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(01)} m_{001}^{(22)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(21)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(01)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{001}^{(02)} m_{001}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{20}^{(02)} m_{001}^{(02)} + m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(21)} \\
& + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(21)} m_{001}^{(01)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(01)} - m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(10)} - m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(22)} m_{001}^{(10)} \\
& + m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(12)} \\
& - m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} m_{001}^{(10)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(20)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(21)} m_{001}^{(10)} \\
& - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(20)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(21)} m_{001}^{(00)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} \\
& + m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(01)} m_{001}^{(10)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{001}^{(10)} \\
& - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(20)} + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(12)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{001}^{(10)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(20)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(20)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(21)} m_{001}^{(00)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(20)} \\
& - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{001}^{(10)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
V2 & V3 & V3 & A0 \\
2 & V4 & V4 & A0
\end{array}$$

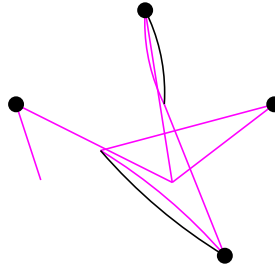


$$\begin{aligned}
P_{15}^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(02)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{100}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{100}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(20)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(20)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(01)} m_{001}^{(20)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(01)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(01)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(11)} m_{100}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(02)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(20)} m_{001}^{(10)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(12)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(11)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(22)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(20)} \\
& +m_{000}^{(02)} m_{000}^{(21)} (m_{100}^{(12)})^2 - 2m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(00)} - m_{000}^{(02)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(11)} \\
& +m_{000}^{(02)} m_{000}^{(21)} (m_{001}^{(10)})^2 + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(22)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(21)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(12)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(11)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(22)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(21)} + m_{000}^{(10)} m_{000}^{(22)} (m_{010}^{(02)})^2 - 2m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(01)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(00)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(22)} (m_{001}^{(01)})^2 \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(22)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(12)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(00)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(20)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(01)} + m_{000}^{(11)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{010}^{(22)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{100}^{(12)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(11)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{010}^{(22)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(21)} \\
& -m_{000}^{(12)} m_{000}^{(20)} (m_{010}^{(02)})^2 + 2m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(00)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(12)} m_{000}^{(20)} (m_{001}^{(01)})^2 + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{100}^{(22)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(12)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(00)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(00)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(10)}
\end{aligned}$$

Generating graph:

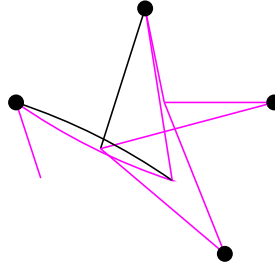
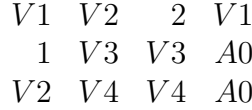
$$\begin{array}{cccc}
V1 & V2 & V3 & V1 \\
V2 & 2 & V4 & A0 \\
V3 & V4 & 4 & A0
\end{array}$$



$$\begin{aligned}
P_{16}^{(1)} & = -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(01)} m_{001}^{(12)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{010}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(21)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(11)} m_{001}^{(02)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(01)} m_{010}^{(22)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{100}^{(22)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(21)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(21)} m_{010}^{(02)} \\
& -m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(20)} \\
& -m_{000}^{(10)} m_{000}^{(21)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(12)} - m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(20)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(22)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(22)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(12)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(20)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(20)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(22)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(22)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{100}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(20)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(10)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{010}^{(22)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(12)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} \\
& + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{010}^{(22)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{001}^{(12)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{100}^{(22)} \\
& + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(02)}
\end{aligned}$$

Generating graph:

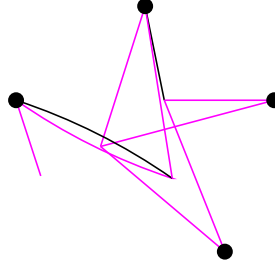


$$\begin{aligned}
P_{17}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{010}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(21)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(21)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(01)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(11)} m_{001}^{(00)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(22)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(12)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{100}^{(22)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{100}^{(21)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(21)} m_{010}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(22)} \\
& -m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(22)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(22)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{100}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{010}^{(22)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(12)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{100}^{(22)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{100}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} \\
& + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{010}^{(22)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{001}^{(12)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{100}^{(22)} \\
& + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(02)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 2 & V2 & V1 \\
& 1 & V3 & V3 & A0 \\
V2 & V4 & V4 & A0
\end{array}$$

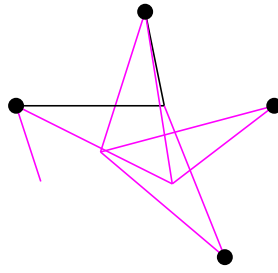


$$\begin{aligned}
P_{18}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(11)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(00)} m_{001}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(01)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(01)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{010}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(00)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(02)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(21)} m_{010}^{(10)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(11)} m_{001}^{(00)} + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(10)} m_{001}^{(22)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(20)} m_{001}^{(12)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(22)} m_{001}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(00)} m_{001}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(20)} m_{001}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(01)} m_{000}^{(12)} m_{010}^{(02)} m_{001}^{(20)} - m_{000}^{(01)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(02)} - m_{000}^{(01)} m_{000}^{(12)} m_{010}^{(22)} m_{001}^{(00)} \\
& -2m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(22)} + 2m_{000}^{(01)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(12)} + 2m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(12)} \\
& -2m_{000}^{(01)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(02)} + m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(22)} + m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(20)} \\
& -m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(01)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(10)} - m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(12)} \\
& -m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(10)} + m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} + m_{000}^{(01)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(11)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(12)} m_{001}^{(21)} + m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(21)} m_{001}^{(12)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{100}^{(22)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(01)} m_{001}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(21)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(10)} m_{010}^{(22)} m_{001}^{(01)} + m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(10)} m_{001}^{(22)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} - m_{000}^{(02)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(00)} m_{001}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(02)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(11)} m_{010}^{(22)} + m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(12)} - m_{000}^{(02)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(11)} - m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(12)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(11)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(02)} + m_{000}^{(02)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(01)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(10)} m_{010}^{(22)} - m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} + m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(12)} \\
& +m_{000}^{(02)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(12)} + m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(02)} - m_{000}^{(02)} m_{000}^{(21)} m_{010}^{(12)} m_{001}^{(00)} - 2m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(22)} \\
& +2m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(12)} - 2m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(02)} + 2m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(02)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{010}^{(12)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(12)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(21)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(01)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(01)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(21)} m_{010}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(01)} + 2m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(22)} \\
& -2m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(12)} + 2m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} - 2m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(22)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(12)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(20)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{010}^{(22)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(01)} m_{010}^{(12)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(11)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{010}^{(22)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{001}^{(12)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(00)}
\end{aligned}$$

Generating graph:

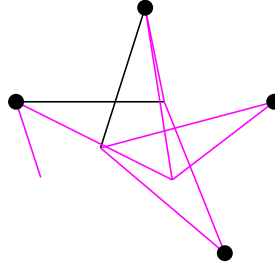
$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
V2 & 2 & V3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$



$$\begin{aligned}
& +m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(12)} - m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(12)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(21)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(01)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(22)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(12)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(20)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(21)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(20)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{010}^{(22)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(00)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(01)} m_{100}^{(22)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(21)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(02)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(12)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(21)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(02)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{010}^{(22)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(00)} m_{001}^{(12)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{010}^{(22)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(00)} m_{001}^{(12)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{100}^{(22)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(21)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(02)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & 2 & V1 \\
V2 & V2 & V3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$

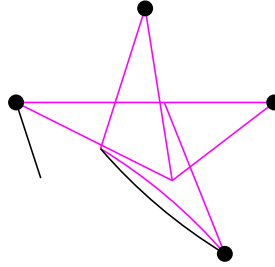


$$\begin{aligned}
P_{20}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{100}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(21)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{100}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(21)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(01)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(22)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} (m_{100}^{(21)})^2 \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(02)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(01)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(10)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(22)} m_{001}^{(21)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(11)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(11)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(21)} (m_{100}^{(12)})^2 \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(02)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(01)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(12)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(21)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(02)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(21)} - m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(20)} \\
& +m_{000}^{(10)} m_{000}^{(21)} m_{001}^{(02)} m_{001}^{(10)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(02)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(21)} m_{001}^{(01)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(01)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(12)} m_{001}^{(00)} \\
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(20)} m_{001}^{(01)} - m_{000}^{(10)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(22)} (m_{001}^{(01)})^2 \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(02)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(22)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(21)} + m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(02)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(20)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(02)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(01)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(21)} m_{001}^{(00)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(20)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(01)} \\
& +m_{000}^{(11)} m_{000}^{(22)} m_{001}^{(00)} m_{001}^{(10)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{001}^{(01)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(20)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{001}^{(00)} m_{001}^{(11)} - m_{000}^{(12)} m_{000}^{(20)} (m_{001}^{(01)})^2 \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(21)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(20)} m_{001}^{(00)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(01)} - m_{000}^{(12)} m_{000}^{(21)} m_{001}^{(00)} m_{001}^{(10)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
V2 & V3 & V4 & A0 \\
V3 & V4 & 4 & A0
\end{array}$$

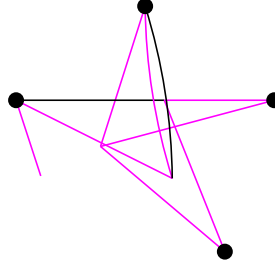


$$\begin{aligned}
P_{21}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(11)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(01)} m_{001}^{(20)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} m_{001}^{(00)} - m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(10)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{010}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(21)} m_{010}^{(10)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{010}^{(21)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(01)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(02)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(21)} \\
& -m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(11)} + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(11)} m_{100}^{(22)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{100}^{(21)} \\
& + m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(01)} - m_{000}^{(10)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(22)} \\
& -m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(12)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(10)} m_{100}^{(22)} \\
& + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{010}^{(20)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(00)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(21)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(11)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{100}^{(22)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{010}^{(21)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(01)} \\
& + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(10)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{100}^{(22)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
V2 & V3 & V3 & A0 \\
2 & V4 & V4 & A0
\end{array}$$

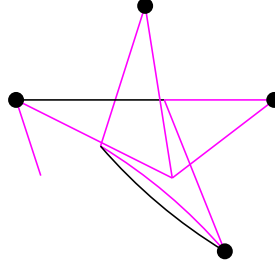


$$\begin{aligned}
P_{22}^{(1)} = & -m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(12)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{010}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(02)} m_{001}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(01)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(11)} m_{001}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(12)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(02)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} (m_{010}^{(20)})^2 \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(10)} m_{001}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(10)} m_{001}^{(20)} + m_{000}^{(00)} m_{000}^{(21)} m_{001}^{(01)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} (m_{001}^{(10)})^2 \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(12)} + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(21)} m_{010}^{(10)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(10)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{010}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(01)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(10)} + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(12)} m_{001}^{(20)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(20)} m_{010}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(20)} m_{001}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(22)} m_{010}^{(20)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(02)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{010}^{(20)} m_{001}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{001}^{(01)} m_{001}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{010}^{(20)} + m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(01)} - m_{000}^{(10)} m_{000}^{(22)} m_{010}^{(10)} m_{001}^{(02)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(22)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(21)} + m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(20)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(01)} m_{001}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(11)} m_{000}^{(20)} m_{100}^{(01)} m_{001}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(12)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{100}^{(21)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{010}^{(20)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(02)} m_{001}^{(10)} + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{010}^{(12)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(02)} m_{001}^{(11)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} (m_{010}^{(02)})^2 \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(10)} m_{001}^{(02)} \\
& +m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(01)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(12)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{100}^{(21)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{010}^{(20)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(02)} m_{001}^{(10)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
V2 & V3 & V4 & A0 \\
V3 & V4 & 4 & A0
\end{array}$$

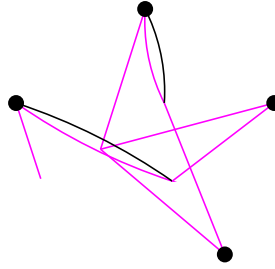


$$\begin{aligned}
P_{23}^{(1)} & = m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{010}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(20)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{010}^{(20)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{100}^{(22)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(20)} m_{001}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{010}^{(22)} m_{001}^{(00)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(00)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{001}^{(02)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{010}^{(21)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(11)} + m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(21)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{100}^{(20)} m_{001}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(20)} m_{001}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{010}^{(21)} m_{001}^{(00)} - m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(00)} m_{001}^{(11)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{001}^{(01)} m_{001}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(22)} + m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(12)} \\
& +m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(10)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{010}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{010}^{(20)} + m_{000}^{(00)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(10)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{010}^{(21)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(10)} m_{001}^{(11)} - m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{010}^{(20)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{100}^{(11)} m_{001}^{(12)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(21)} + m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(11)} \\
& +m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(01)} m_{010}^{(20)} - m_{000}^{(00)} m_{000}^{(22)} m_{010}^{(01)} m_{001}^{(10)} - m_{000}^{(01)} m_{000}^{(10)} m_{100}^{(20)} m_{010}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(12)} m_{001}^{(00)} - m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(20)} m_{010}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{100}^{(22)} m_{010}^{(00)} \\
& -m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(00)} m_{001}^{(02)} + m_{000}^{(11)} m_{000}^{(22)} m_{010}^{(02)} m_{001}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{100}^{(22)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(11)} m_{001}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{100}^{(21)} - m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(12)} m_{001}^{(01)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(21)} m_{010}^{(02)} + m_{000}^{(12)} m_{000}^{(20)} m_{100}^{(22)} m_{010}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(01)} m_{001}^{(02)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{010}^{(02)} m_{001}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{100}^{(22)} - m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(10)} m_{001}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{100}^{(20)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(12)} m_{001}^{(00)} + m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(20)} m_{010}^{(02)} \\
& -m_{000}^{(12)} m_{000}^{(21)} m_{100}^{(22)} m_{010}^{(00)} + m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(00)} m_{001}^{(02)} - m_{000}^{(12)} m_{000}^{(21)} m_{010}^{(02)} m_{001}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V2 & V2 & V1 \\
1 & 2 & V3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$



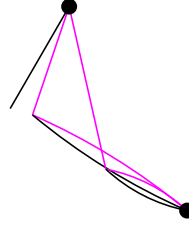
$$\begin{aligned}
P_{24}^{(1)} = & m_{100}^{(00)} m_{020}^{(22)} - m_{100}^{(00)} m_{011}^{(12)} - m_{100}^{(00)} m_{011}^{(21)} + m_{100}^{(00)} m_{002}^{(11)} - m_{100}^{(01)} m_{110}^{(22)} + m_{100}^{(01)} m_{101}^{(12)} \\
& + m_{100}^{(01)} m_{011}^{(20)} - m_{100}^{(01)} m_{002}^{(10)} + m_{100}^{(02)} m_{110}^{(21)} - m_{100}^{(02)} m_{101}^{(11)} - m_{100}^{(02)} m_{020}^{(20)} + m_{100}^{(02)} m_{011}^{(10)} \\
& - m_{100}^{(10)} m_{110}^{(22)} + m_{100}^{(10)} m_{101}^{(21)} + m_{100}^{(10)} m_{011}^{(02)} - m_{100}^{(10)} m_{002}^{(01)} + m_{100}^{(11)} m_{200}^{(22)} - m_{100}^{(11)} m_{101}^{(02)} \\
& - m_{100}^{(11)} m_{101}^{(20)} + m_{100}^{(11)} m_{002}^{(00)} - m_{100}^{(12)} m_{200}^{(21)} + m_{100}^{(12)} m_{110}^{(20)} + m_{100}^{(12)} m_{101}^{(01)} - m_{100}^{(12)} m_{011}^{(00)} \\
& + m_{100}^{(20)} m_{110}^{(12)} - m_{100}^{(20)} m_{101}^{(11)} - m_{100}^{(20)} m_{020}^{(02)} + m_{100}^{(20)} m_{011}^{(01)} - m_{100}^{(21)} m_{200}^{(12)} + m_{100}^{(21)} m_{110}^{(02)} \\
& + m_{100}^{(21)} m_{101}^{(10)} - m_{100}^{(21)} m_{011}^{(00)} + m_{100}^{(22)} m_{200}^{(11)} - m_{100}^{(22)} m_{110}^{(01)} - m_{100}^{(22)} m_{110}^{(10)} + m_{100}^{(22)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{24}^{(2)} = & m_{010}^{(00)} m_{020}^{(22)} - m_{010}^{(00)} m_{011}^{(12)} - m_{010}^{(00)} m_{011}^{(21)} + m_{010}^{(00)} m_{002}^{(11)} - m_{010}^{(01)} m_{110}^{(22)} + m_{010}^{(01)} m_{101}^{(12)} \\
& + m_{010}^{(01)} m_{011}^{(20)} - m_{010}^{(01)} m_{002}^{(10)} + m_{010}^{(02)} m_{110}^{(21)} - m_{010}^{(02)} m_{101}^{(11)} - m_{010}^{(02)} m_{020}^{(20)} + m_{010}^{(02)} m_{011}^{(10)} \\
& - m_{010}^{(10)} m_{110}^{(22)} + m_{010}^{(10)} m_{101}^{(21)} + m_{010}^{(10)} m_{011}^{(02)} - m_{010}^{(10)} m_{002}^{(01)} + m_{010}^{(11)} m_{200}^{(22)} - m_{010}^{(11)} m_{101}^{(02)} \\
& - m_{010}^{(11)} m_{101}^{(20)} + m_{010}^{(11)} m_{002}^{(00)} - m_{010}^{(12)} m_{200}^{(21)} + m_{010}^{(12)} m_{110}^{(20)} + m_{010}^{(12)} m_{101}^{(01)} - m_{010}^{(12)} m_{011}^{(00)} \\
& + m_{010}^{(20)} m_{110}^{(12)} - m_{010}^{(20)} m_{101}^{(11)} - m_{010}^{(20)} m_{020}^{(02)} + m_{010}^{(20)} m_{011}^{(01)} - m_{010}^{(21)} m_{200}^{(12)} + m_{010}^{(21)} m_{110}^{(02)} \\
& + m_{010}^{(21)} m_{101}^{(10)} - m_{010}^{(21)} m_{011}^{(00)} + m_{010}^{(22)} m_{200}^{(11)} - m_{010}^{(22)} m_{110}^{(01)} - m_{010}^{(22)} m_{110}^{(10)} + m_{010}^{(22)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{24}^{(3)} = & m_{001}^{(00)} m_{020}^{(22)} - m_{001}^{(00)} m_{011}^{(12)} - m_{001}^{(00)} m_{011}^{(21)} + m_{001}^{(00)} m_{002}^{(11)} - m_{001}^{(01)} m_{110}^{(22)} + m_{001}^{(01)} m_{101}^{(12)} \\
& + m_{001}^{(01)} m_{011}^{(20)} - m_{001}^{(01)} m_{002}^{(10)} + m_{001}^{(02)} m_{110}^{(21)} - m_{001}^{(02)} m_{101}^{(11)} - m_{001}^{(02)} m_{020}^{(20)} + m_{001}^{(02)} m_{011}^{(10)} \\
& - m_{001}^{(10)} m_{110}^{(22)} + m_{001}^{(10)} m_{101}^{(21)} + m_{001}^{(10)} m_{011}^{(02)} - m_{001}^{(10)} m_{002}^{(01)} + m_{001}^{(11)} m_{200}^{(22)} - m_{001}^{(11)} m_{101}^{(02)} \\
& - m_{001}^{(11)} m_{101}^{(20)} + m_{001}^{(11)} m_{002}^{(00)} - m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(12)} m_{101}^{(01)} - m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{001}^{(20)} m_{110}^{(12)} - m_{001}^{(20)} m_{101}^{(11)} - m_{001}^{(20)} m_{020}^{(02)} + m_{001}^{(20)} m_{011}^{(01)} - m_{001}^{(21)} m_{200}^{(12)} + m_{001}^{(21)} m_{110}^{(02)} \\
& + m_{001}^{(21)} m_{101}^{(10)} - m_{001}^{(21)} m_{011}^{(00)} + m_{001}^{(22)} m_{200}^{(11)} - m_{001}^{(22)} m_{110}^{(01)} - m_{001}^{(22)} m_{110}^{(10)} + m_{001}^{(22)} m_{020}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	1
V2	V2	A0
2	2	A0



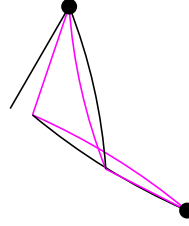
$$\begin{aligned}
P_{25}^{(1)} = & m_{100}^{(01)} m_{110}^{(22)} - m_{100}^{(01)} m_{101}^{(12)} - m_{100}^{(02)} m_{110}^{(21)} + m_{100}^{(02)} m_{101}^{(11)} - m_{100}^{(11)} m_{200}^{(22)} + m_{100}^{(11)} m_{101}^{(02)} \\
& + m_{100}^{(12)} m_{200}^{(21)} - m_{100}^{(12)} m_{101}^{(01)} + m_{100}^{(21)} m_{200}^{(12)} - m_{100}^{(21)} m_{110}^{(02)} - m_{100}^{(22)} m_{200}^{(11)} + m_{100}^{(22)} m_{110}^{(01)} \\
& - m_{010}^{(00)} m_{110}^{(22)} + m_{010}^{(00)} m_{101}^{(12)} + m_{010}^{(02)} m_{110}^{(20)} - m_{010}^{(02)} m_{101}^{(10)} + m_{010}^{(10)} m_{200}^{(22)} - m_{010}^{(10)} m_{101}^{(02)} \\
& - m_{010}^{(12)} m_{200}^{(20)} + m_{010}^{(12)} m_{101}^{(00)} - m_{010}^{(20)} m_{200}^{(12)} + m_{010}^{(20)} m_{110}^{(02)} + m_{010}^{(22)} m_{200}^{(10)} - m_{010}^{(22)} m_{110}^{(00)} \\
& + m_{001}^{(00)} m_{110}^{(21)} - m_{001}^{(00)} m_{101}^{(11)} - m_{001}^{(01)} m_{110}^{(20)} + m_{001}^{(01)} m_{101}^{(10)} - m_{001}^{(10)} m_{200}^{(21)} + m_{001}^{(10)} m_{101}^{(01)} \\
& + m_{001}^{(11)} m_{200}^{(20)} - m_{001}^{(11)} m_{101}^{(00)} + m_{001}^{(20)} m_{200}^{(11)} - m_{001}^{(20)} m_{110}^{(01)} - m_{001}^{(21)} m_{200}^{(10)} + m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{25}^{(2)} = & m_{100}^{(01)} m_{020}^{(22)} - m_{100}^{(01)} m_{011}^{(12)} - m_{100}^{(02)} m_{020}^{(21)} + m_{100}^{(02)} m_{011}^{(11)} - m_{100}^{(11)} m_{110}^{(22)} + m_{100}^{(11)} m_{011}^{(02)} \\
& + m_{100}^{(12)} m_{110}^{(21)} - m_{100}^{(12)} m_{011}^{(01)} + m_{100}^{(21)} m_{110}^{(12)} - m_{100}^{(21)} m_{020}^{(02)} - m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(22)} m_{020}^{(01)} \\
& - m_{010}^{(00)} m_{020}^{(22)} + m_{010}^{(00)} m_{011}^{(12)} + m_{010}^{(02)} m_{020}^{(20)} - m_{010}^{(02)} m_{011}^{(10)} + m_{010}^{(10)} m_{110}^{(22)} - m_{010}^{(10)} m_{011}^{(02)} \\
& - m_{010}^{(12)} m_{110}^{(20)} + m_{010}^{(12)} m_{011}^{(00)} - m_{010}^{(20)} m_{110}^{(12)} + m_{010}^{(20)} m_{020}^{(02)} + m_{010}^{(22)} m_{110}^{(10)} - m_{010}^{(22)} m_{020}^{(00)} \\
& + m_{001}^{(00)} m_{020}^{(21)} - m_{001}^{(00)} m_{011}^{(11)} - m_{001}^{(01)} m_{020}^{(20)} + m_{001}^{(01)} m_{011}^{(10)} - m_{001}^{(10)} m_{110}^{(21)} + m_{001}^{(10)} m_{011}^{(01)} \\
& + m_{001}^{(11)} m_{110}^{(20)} - m_{001}^{(11)} m_{011}^{(00)} + m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(20)} m_{020}^{(01)} - m_{001}^{(21)} m_{110}^{(10)} + m_{001}^{(21)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{25}^{(3)} = & m_{100}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{002}^{(12)} - m_{100}^{(02)} m_{011}^{(21)} + m_{100}^{(02)} m_{002}^{(11)} - m_{100}^{(11)} m_{101}^{(22)} + m_{100}^{(11)} m_{002}^{(02)} \\
& + m_{100}^{(12)} m_{101}^{(21)} - m_{100}^{(12)} m_{002}^{(01)} + m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(21)} m_{011}^{(02)} - m_{100}^{(22)} m_{101}^{(11)} + m_{100}^{(22)} m_{011}^{(01)} \\
& - m_{010}^{(00)} m_{011}^{(22)} + m_{010}^{(00)} m_{002}^{(12)} + m_{010}^{(02)} m_{011}^{(20)} - m_{010}^{(02)} m_{002}^{(10)} + m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(10)} m_{002}^{(02)} \\
& - m_{010}^{(12)} m_{101}^{(20)} + m_{010}^{(12)} m_{002}^{(00)} - m_{010}^{(20)} m_{101}^{(12)} + m_{010}^{(20)} m_{011}^{(02)} + m_{010}^{(22)} m_{101}^{(10)} - m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{001}^{(00)} m_{011}^{(21)} - m_{001}^{(00)} m_{002}^{(11)} - m_{001}^{(01)} m_{011}^{(20)} + m_{001}^{(01)} m_{002}^{(10)} - m_{001}^{(10)} m_{101}^{(21)} + m_{001}^{(10)} m_{002}^{(01)} \\
& + m_{001}^{(11)} m_{101}^{(20)} - m_{001}^{(11)} m_{002}^{(00)} + m_{001}^{(20)} m_{101}^{(11)} - m_{001}^{(20)} m_{011}^{(01)} - m_{001}^{(21)} m_{101}^{(10)} + m_{001}^{(21)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	1
	1	V2
V2	2	A0



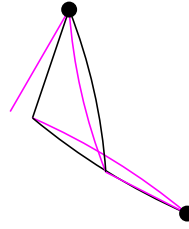
$$\begin{aligned}
P_{26}^{(1)} = & m_{100}^{(01)} m_{011}^{(20)} - m_{100}^{(01)} m_{002}^{(10)} - m_{100}^{(02)} m_{020}^{(20)} + m_{100}^{(02)} m_{011}^{(10)} - m_{100}^{(11)} m_{101}^{(20)} + m_{100}^{(11)} m_{002}^{(00)} \\
& + m_{100}^{(12)} m_{110}^{(20)} - m_{100}^{(12)} m_{011}^{(00)} + m_{100}^{(21)} m_{101}^{(10)} - m_{100}^{(21)} m_{011}^{(00)} - m_{100}^{(22)} m_{110}^{(10)} + m_{100}^{(22)} m_{020}^{(00)} \\
& - m_{010}^{(00)} m_{011}^{(20)} + m_{010}^{(00)} m_{002}^{(10)} + m_{010}^{(02)} m_{110}^{(20)} - m_{010}^{(02)} m_{101}^{(10)} + m_{010}^{(10)} m_{101}^{(20)} - m_{010}^{(10)} m_{002}^{(00)} \\
& - m_{010}^{(12)} m_{200}^{(20)} + m_{010}^{(12)} m_{101}^{(00)} - m_{010}^{(20)} m_{101}^{(10)} + m_{010}^{(20)} m_{011}^{(00)} + m_{010}^{(22)} m_{101}^{(10)} - m_{010}^{(22)} m_{110}^{(00)} \\
& + m_{001}^{(00)} m_{020}^{(20)} - m_{001}^{(00)} m_{011}^{(10)} - m_{001}^{(01)} m_{110}^{(20)} + m_{001}^{(01)} m_{101}^{(10)} - m_{001}^{(10)} m_{110}^{(20)} + m_{001}^{(10)} m_{011}^{(00)} \\
& + m_{001}^{(11)} m_{200}^{(20)} - m_{001}^{(11)} m_{101}^{(00)} + m_{001}^{(20)} m_{110}^{(10)} - m_{001}^{(20)} m_{020}^{(00)} - m_{001}^{(21)} m_{101}^{(10)} + m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{26}^{(2)} = & m_{100}^{(01)} m_{011}^{(21)} - m_{100}^{(01)} m_{002}^{(11)} - m_{100}^{(02)} m_{020}^{(21)} + m_{100}^{(02)} m_{011}^{(11)} - m_{100}^{(11)} m_{101}^{(21)} + m_{100}^{(11)} m_{002}^{(01)} \\
& + m_{100}^{(12)} m_{110}^{(21)} - m_{100}^{(12)} m_{011}^{(01)} + m_{100}^{(21)} m_{101}^{(11)} - m_{100}^{(21)} m_{011}^{(01)} - m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(22)} m_{020}^{(01)} \\
& - m_{010}^{(00)} m_{011}^{(21)} + m_{010}^{(00)} m_{002}^{(11)} + m_{010}^{(02)} m_{110}^{(21)} - m_{010}^{(02)} m_{101}^{(11)} + m_{010}^{(10)} m_{101}^{(21)} - m_{010}^{(10)} m_{002}^{(01)} \\
& - m_{010}^{(12)} m_{200}^{(21)} + m_{010}^{(12)} m_{101}^{(01)} - m_{010}^{(20)} m_{101}^{(11)} + m_{010}^{(20)} m_{011}^{(01)} + m_{010}^{(22)} m_{101}^{(11)} - m_{010}^{(22)} m_{110}^{(01)} \\
& + m_{001}^{(00)} m_{020}^{(21)} - m_{001}^{(00)} m_{011}^{(11)} - m_{001}^{(01)} m_{110}^{(21)} + m_{001}^{(01)} m_{101}^{(11)} - m_{001}^{(10)} m_{110}^{(21)} + m_{001}^{(10)} m_{011}^{(01)} \\
& + m_{001}^{(11)} m_{200}^{(21)} - m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(20)} m_{020}^{(01)} - m_{001}^{(21)} m_{101}^{(11)} + m_{001}^{(21)} m_{110}^{(01)}
\end{aligned}$$

$$\begin{aligned}
P_{26}^{(3)} = & m_{100}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{002}^{(12)} - m_{100}^{(02)} m_{020}^{(22)} + m_{100}^{(02)} m_{011}^{(12)} - m_{100}^{(11)} m_{101}^{(22)} + m_{100}^{(11)} m_{002}^{(02)} \\
& + m_{100}^{(12)} m_{110}^{(22)} - m_{100}^{(12)} m_{011}^{(02)} + m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(21)} m_{011}^{(02)} - m_{100}^{(22)} m_{110}^{(12)} + m_{100}^{(22)} m_{020}^{(02)} \\
& - m_{010}^{(00)} m_{011}^{(22)} + m_{010}^{(00)} m_{002}^{(12)} + m_{010}^{(02)} m_{110}^{(22)} - m_{010}^{(02)} m_{101}^{(12)} + m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(10)} m_{002}^{(02)} \\
& - m_{010}^{(12)} m_{200}^{(22)} + m_{010}^{(12)} m_{101}^{(02)} - m_{010}^{(20)} m_{101}^{(12)} + m_{010}^{(20)} m_{011}^{(02)} + m_{010}^{(22)} m_{200}^{(12)} - m_{010}^{(22)} m_{110}^{(02)} \\
& + m_{001}^{(00)} m_{020}^{(22)} - m_{001}^{(00)} m_{011}^{(12)} - m_{001}^{(01)} m_{110}^{(22)} + m_{001}^{(01)} m_{101}^{(12)} - m_{001}^{(10)} m_{110}^{(22)} + m_{001}^{(10)} m_{011}^{(02)} \\
& + m_{001}^{(11)} m_{200}^{(22)} - m_{001}^{(11)} m_{101}^{(02)} + m_{001}^{(20)} m_{110}^{(12)} - m_{001}^{(20)} m_{020}^{(02)} - m_{001}^{(21)} m_{101}^{(12)} + m_{001}^{(21)} m_{110}^{(02)}
\end{aligned}$$

Generating graph:

V1	1	V1
	1	V2 A0
V2	2	A0



$$\begin{aligned}
P_{27}^{(1)} = & -m_{100}^{(00)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{100}^{(11)} m_{002}^{(21)} + m_{100}^{(00)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(00)} m_{100}^{(12)} m_{011}^{(21)} \\
& + m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(00)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(12)} + m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(00)} m_{010}^{(10)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(10)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{100}^{(00)} m_{010}^{(11)} m_{002}^{(20)} \\
& - m_{100}^{(00)} m_{010}^{(12)} m_{110}^{(22)} + m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} - m_{100}^{(00)} m_{010}^{(20)} m_{002}^{(11)} \\
& - m_{100}^{(00)} m_{010}^{(21)} m_{101}^{(12)} + m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(10)} + m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} - m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(21)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} \\
& + m_{100}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(20)} - m_{100}^{(00)} m_{001}^{(20)} m_{101}^{(12)} + m_{100}^{(00)} m_{001}^{(20)} m_{011}^{(11)}
\end{aligned}$$

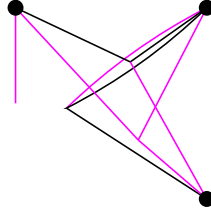
$$\begin{aligned}
& +m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(10)} + m_{010}^{(21)} m_{001}^{(01)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(01)} m_{101}^{(10)} \\
& - m_{010}^{(21)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(21)} m_{001}^{(02)} m_{110}^{(10)} - m_{010}^{(21)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(21)} m_{001}^{(10)} m_{011}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(21)} m_{001}^{(11)} m_{101}^{(00)} + m_{010}^{(21)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(21)} m_{001}^{(12)} m_{110}^{(00)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(11)} m_{020}^{(20)} - m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(21)} + m_{001}^{(01)} m_{001}^{(10)} m_{020}^{(20)} + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(01)} m_{001}^{(20)} m_{020}^{(10)} \\
& + m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(01)} - m_{001}^{(10)} m_{001}^{(21)} m_{020}^{(00)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(01)} + m_{001}^{(11)} m_{001}^{(20)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{27}^{(3)} = & -m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(12)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(12)} - m_{100}^{(00)} m_{010}^{(22)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(12)} m_{011}^{(21)} - m_{100}^{(00)} m_{001}^{(22)} m_{020}^{(12)} + m_{100}^{(00)} m_{001}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(22)} - m_{100}^{(01)} m_{100}^{(12)} m_{002}^{(21)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(12)} + m_{100}^{(01)} m_{100}^{(22)} m_{002}^{(11)} \\
& - m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(12)} m_{101}^{(21)} + m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(11)} - m_{100}^{(01)} m_{001}^{(22)} m_{101}^{(10)} \\
& - m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(02)} m_{100}^{(11)} m_{002}^{(21)} + m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(02)} m_{100}^{(21)} m_{002}^{(11)} \\
& + m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(22)} - m_{100}^{(02)} m_{010}^{(11)} m_{002}^{(20)} - m_{100}^{(02)} m_{010}^{(12)} m_{101}^{(21)} + m_{100}^{(02)} m_{010}^{(12)} m_{011}^{(20)} \\
& - m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(12)} + m_{100}^{(02)} m_{010}^{(21)} m_{002}^{(10)} + m_{100}^{(02)} m_{010}^{(22)} m_{101}^{(11)} - m_{100}^{(02)} m_{010}^{(22)} m_{011}^{(10)} \\
& - m_{100}^{(02)} m_{001}^{(11)} m_{101}^{(21)} + m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(20)} + m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(20)} \\
& + m_{100}^{(02)} m_{001}^{(21)} m_{101}^{(11)} - m_{100}^{(02)} m_{001}^{(21)} m_{011}^{(10)} - m_{100}^{(02)} m_{001}^{(22)} m_{110}^{(11)} + m_{100}^{(02)} m_{001}^{(22)} m_{020}^{(10)} \\
& + m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(02)} m_{002}^{(21)} - m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(12)} + m_{100}^{(10)} m_{010}^{(22)} m_{002}^{(11)} \\
& - m_{100}^{(10)} m_{001}^{(02)} m_{020}^{(22)} + m_{100}^{(10)} m_{001}^{(02)} m_{011}^{(21)} + m_{100}^{(10)} m_{001}^{(22)} m_{020}^{(12)} - m_{100}^{(10)} m_{001}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(11)} m_{100}^{(02)} m_{011}^{(22)} - m_{100}^{(11)} m_{100}^{(02)} m_{002}^{(21)} + m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(21)} \\
& - m_{100}^{(11)} m_{001}^{(12)} m_{110}^{(22)} + m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(21)} - m_{100}^{(11)} m_{100}^{(02)} m_{011}^{(12)} + m_{100}^{(11)} m_{100}^{(02)} m_{002}^{(11)} \\
& - m_{100}^{(12)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(12)} m_{010}^{(01)} m_{002}^{(20)} + m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(02)} m_{011}^{(20)} \\
& + m_{100}^{(12)} m_{010}^{(21)} m_{101}^{(02)} - m_{100}^{(12)} m_{010}^{(21)} m_{002}^{(10)} - m_{100}^{(12)} m_{010}^{(22)} m_{101}^{(01)} + m_{100}^{(12)} m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{100}^{(12)} m_{001}^{(01)} m_{101}^{(21)} - m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(20)} - m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(02)} m_{020}^{(20)} \\
& - m_{100}^{(12)} m_{001}^{(21)} m_{101}^{(01)} + m_{100}^{(12)} m_{001}^{(21)} m_{011}^{(00)} + m_{100}^{(12)} m_{001}^{(22)} m_{110}^{(01)} - m_{100}^{(12)} m_{001}^{(22)} m_{020}^{(00)} \\
& - m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(22)} + m_{100}^{(20)} m_{010}^{(02)} m_{002}^{(21)} + m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(02)} - m_{100}^{(20)} m_{010}^{(12)} m_{002}^{(11)} \\
& + m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(12)} - m_{100}^{(20)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(20)} m_{001}^{(12)} m_{020}^{(02)} + m_{100}^{(20)} m_{001}^{(12)} m_{011}^{(01)} \\
& - m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(22)} + m_{100}^{(21)} m_{001}^{(02)} m_{101}^{(21)} + m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(12)} m_{101}^{(01)} \\
& + m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(22)} - m_{100}^{(22)} m_{010}^{(01)} m_{002}^{(21)} - m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(10)} \\
& - m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(02)} + m_{100}^{(22)} m_{010}^{(11)} m_{002}^{(10)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(01)} - m_{100}^{(22)} m_{010}^{(12)} m_{011}^{(00)} \\
& - m_{100}^{(22)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(01)} - m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(22)} m_{001}^{(11)} m_{011}^{(00)} - m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(00)} \\
& + m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{002}^{(21)} - m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(12)} + m_{010}^{(00)} m_{010}^{(22)} m_{002}^{(11)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(21)} + m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(11)} - m_{010}^{(00)} m_{001}^{(22)} m_{011}^{(10)} \\
& + m_{010}^{(01)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(20)} - m_{010}^{(01)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(01)} m_{001}^{(22)} m_{101}^{(10)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(22)} + m_{010}^{(02)} m_{010}^{(10)} m_{002}^{(21)} + m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(12)} - m_{010}^{(02)} m_{010}^{(20)} m_{002}^{(11)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(21)} - m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(20)} - m_{010}^{(02)} m_{001}^{(20)} m_{200}^{(12)} + m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(10)} \\
& - m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(11)} + m_{010}^{(02)} m_{001}^{(20)} m_{011}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(01)} - m_{010}^{(02)} m_{001}^{(22)} m_{101}^{(00)} \\
& + m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(02)} - m_{010}^{(10)} m_{010}^{(22)} m_{002}^{(21)} + m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} - m_{010}^{(10)} m_{001}^{(02)} m_{011}^{(21)} \\
& - m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(01)} + m_{010}^{(10)} m_{001}^{(22)} m_{011}^{(00)} - m_{010}^{(11)} m_{001}^{(02)} m_{200}^{(22)} + m_{010}^{(11)} m_{001}^{(02)} m_{101}^{(21)} \\
& + m_{010}^{(11)} m_{001}^{(22)} m_{020}^{(02)} - m_{010}^{(11)} m_{001}^{(22)} m_{101}^{(00)} - m_{010}^{(12)} m_{001}^{(20)} m_{020}^{(02)} + m_{010}^{(12)} m_{001}^{(20)} m_{002}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(21)} + m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(20)} + m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(21)} - m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(20)} \\
& + m_{010}^{(12)} m_{001}^{(20)} m_{101}^{(01)} - m_{010}^{(12)} m_{001}^{(20)} m_{011}^{(00)} - m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(01)} + m_{010}^{(12)} m_{001}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(12)} + m_{010}^{(20)} m_{001}^{(02)} m_{011}^{(10)} + m_{010}^{(20)} m_{001}^{(12)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(02)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(02)} m_{101}^{(10)} - m_{010}^{(21)} m_{001}^{(12)} m_{200}^{(02)} + m_{010}^{(21)} m_{001}^{(12)} m_{101}^{(00)} \\
& + m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(10)} - m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} \\
& - m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(00)} + m_{010}^{(22)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(12)} m_{110}^{(00)} \\
& + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(20)} - m_{001}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(22)} m_{020}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(22)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(22)} m_{110}^{(10)} \\
& - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(21)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(20)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(21)} - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} \\
& + m_{001}^{(02)} m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(02)} m_{001}^{(20)} m_{020}^{(10)} - m_{001}^{(02)} m_{001}^{(21)} m_{200}^{(11)} + m_{001}^{(02)} m_{001}^{(21)} m_{110}^{(10)} \\
& + m_{001}^{(10)} m_{001}^{(22)} m_{011}^{(01)} - m_{001}^{(10)} m_{001}^{(22)} m_{020}^{(00)} - m_{001}^{(11)} m_{001}^{(22)} m_{200}^{(01)} + m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)} \\
& - m_{001}^{(12)} m_{001}^{(20)} m_{110}^{(01)} + m_{001}^{(12)} m_{001}^{(20)} m_{020}^{(00)} + m_{001}^{(12)} m_{001}^{(21)} m_{200}^{(01)} - m_{001}^{(12)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V2	V1
V2	2	2	A0
V3	V3	3	A0

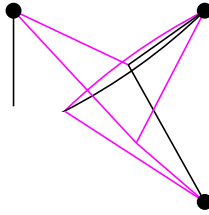


$$\begin{aligned}
P_{28}^{(1)} = & -m_{100}^{(00)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{100}^{(11)} m_{002}^{(21)} + m_{100}^{(00)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(00)} m_{100}^{(12)} m_{011}^{(21)} \\
& + m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(00)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(12)} + m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(00)} m_{010}^{(10)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(10)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{100}^{(00)} m_{010}^{(11)} m_{002}^{(20)} \\
& - m_{100}^{(00)} m_{010}^{(12)} m_{101}^{(21)} + m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} - m_{100}^{(00)} m_{010}^{(20)} m_{002}^{(11)} \\
& - m_{100}^{(00)} m_{010}^{(21)} m_{101}^{(12)} + m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(10)} + m_{100}^{(00)} m_{010}^{(22)} m_{101}^{(11)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} - m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} \\
& + m_{100}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(20)} - m_{100}^{(00)} m_{001}^{(20)} m_{020}^{(12)} + m_{100}^{(00)} m_{001}^{(20)} m_{011}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(12)} - m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(10)} - m_{100}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{100}^{(00)} m_{001}^{(22)} m_{020}^{(10)} \\
& + m_{100}^{(01)} m_{100}^{(10)} m_{011}^{(22)} - m_{100}^{(01)} m_{100}^{(10)} m_{002}^{(21)} - m_{100}^{(01)} m_{100}^{(12)} m_{110}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{101}^{(21)} \\
& - m_{100}^{(01)} m_{100}^{(20)} m_{011}^{(12)} + m_{100}^{(01)} m_{100}^{(20)} m_{002}^{(11)} + m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(11)} \\
& - m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(21)} + m_{100}^{(01)} m_{001}^{(11)} m_{200}^{(22)} - m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& +m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(21)} m_{011}^{(10)} - m_{001}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(22)} m_{020}^{(10)} \\
& +m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(21)} - m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(20)} - m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(20)} \\
& -m_{001}^{(01)} m_{001}^{(20)} m_{101}^{(11)} + m_{001}^{(01)} m_{001}^{(20)} m_{011}^{(10)} + m_{001}^{(01)} m_{001}^{(22)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(22)} m_{110}^{(10)} \\
& -m_{001}^{(02)} m_{001}^{(10)} m_{210}^{(21)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(20)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(21)} - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} \\
& +m_{001}^{(02)} m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(02)} m_{001}^{(20)} m_{020}^{(10)} - m_{001}^{(02)} m_{001}^{(21)} m_{200}^{(11)} + m_{001}^{(02)} m_{001}^{(21)} m_{110}^{(10)} \\
& -m_{001}^{(10)} m_{001}^{(21)} m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(00)} + m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(01)} - m_{001}^{(10)} m_{001}^{(22)} m_{020}^{(00)} \\
& +m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(01)} - m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)} - m_{001}^{(11)} m_{001}^{(22)} m_{200}^{(01)} + m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)} \\
& -m_{001}^{(12)} m_{001}^{(20)} m_{110}^{(01)} + m_{001}^{(12)} m_{001}^{(20)} m_{020}^{(00)} + m_{001}^{(12)} m_{001}^{(21)} m_{200}^{(01)} - m_{001}^{(12)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
V2	2	2	A0
V3	3	V3	A0



$$\begin{aligned}
P_{29}^{(1)} = & -2m_{100}^{(00)} m_{100}^{(11)} m_{011}^{(22)} + 2m_{100}^{(00)} m_{100}^{(11)} m_{002}^{(21)} + 2m_{100}^{(00)} m_{100}^{(12)} m_{020}^{(22)} - 2m_{100}^{(00)} m_{100}^{(12)} m_{011}^{(21)} \\
& + 2m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(12)} - 2m_{100}^{(00)} m_{100}^{(21)} m_{002}^{(11)} - 2m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(12)} + 2m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{100}^{(00)} m_{010}^{(11)} m_{002}^{(20)} - m_{100}^{(00)} m_{010}^{(12)} m_{110}^{(22)} + m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} \\
& - m_{100}^{(00)} m_{010}^{(21)} m_{101}^{(12)} + m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(10)} + m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& - m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(21)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} + m_{100}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(20)} \\
& + m_{100}^{(00)} m_{001}^{(21)} m_{101}^{(11)} - m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(10)} - m_{100}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{100}^{(00)} m_{001}^{(22)} m_{020}^{(10)} \\
& + 2m_{100}^{(01)} m_{100}^{(10)} m_{011}^{(22)} - 2m_{100}^{(01)} m_{100}^{(10)} m_{002}^{(21)} - 2m_{100}^{(01)} m_{100}^{(12)} m_{020}^{(22)} + 2m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(21)} \\
& - 2m_{100}^{(01)} m_{100}^{(20)} m_{011}^{(12)} + 2m_{100}^{(01)} m_{100}^{(20)} m_{002}^{(11)} + 2m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(12)} - 2m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(01)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(20)} + m_{100}^{(01)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(01)} m_{010}^{(12)} m_{011}^{(20)} \\
& + m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(10)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(12)} + m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(21)} - m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(20)} - m_{100}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(20)} \\
& - m_{100}^{(01)} m_{001}^{(20)} m_{101}^{(11)} + m_{100}^{(01)} m_{001}^{(20)} m_{011}^{(10)} + m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(11)} - m_{100}^{(01)} m_{001}^{(22)} m_{020}^{(10)} \\
& - 2m_{100}^{(02)} m_{100}^{(10)} m_{020}^{(22)} + 2m_{100}^{(02)} m_{100}^{(10)} m_{011}^{(21)} + 2m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)} - 2m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(21)} \\
& + 2m_{100}^{(02)} m_{100}^{(20)} m_{020}^{(12)} - 2m_{100}^{(02)} m_{100}^{(20)} m_{011}^{(11)} - 2m_{100}^{(02)} m_{100}^{(21)} m_{110}^{(12)} + 2m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(11)} \\
& + m_{100}^{(02)} m_{010}^{(10)} m_{110}^{(22)} - m_{100}^{(02)} m_{010}^{(10)} m_{011}^{(20)} - m_{100}^{(02)} m_{010}^{(11)} m_{200}^{(22)} + m_{100}^{(02)} m_{010}^{(11)} m_{011}^{(20)}
\end{aligned}$$

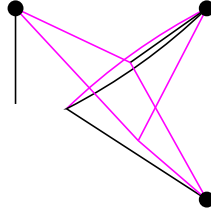
$$\begin{aligned}
& -m_{100}^{(02)} m_{010}^{(20)} m_{110}^{(12)} + m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(10)} + m_{100}^{(02)} m_{010}^{(21)} m_{200}^{(12)} - m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(10)} \\
& -m_{100}^{(02)} m_{001}^{(10)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(10)} m_{020}^{(20)} + m_{100}^{(02)} m_{001}^{(11)} m_{200}^{(21)} - m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(20)} \\
& + m_{100}^{(02)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(20)} m_{020}^{(10)} - m_{100}^{(02)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(02)} m_{001}^{(21)} m_{110}^{(10)} \\
& -2m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(02)} + 2m_{100}^{(10)} m_{100}^{(21)} m_{002}^{(01)} + 2m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(02)} - 2m_{100}^{(10)} m_{100}^{(22)} m_{011}^{(01)} \\
& -m_{100}^{(10)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(01)} m_{002}^{(20)} + m_{100}^{(10)} m_{010}^{(02)} m_{110}^{(22)} - m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(20)} \\
& + m_{100}^{(10)} m_{010}^{(21)} m_{101}^{(02)} - m_{100}^{(10)} m_{010}^{(21)} m_{002}^{(00)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(02)} + m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{100}^{(10)} m_{001}^{(01)} m_{101}^{(21)} - m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(20)} - m_{100}^{(10)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(02)} m_{020}^{(20)} \\
& -m_{100}^{(10)} m_{001}^{(21)} m_{101}^{(01)} + m_{100}^{(10)} m_{001}^{(21)} m_{011}^{(00)} + m_{100}^{(10)} m_{001}^{(22)} m_{110}^{(01)} - m_{100}^{(10)} m_{001}^{(22)} m_{020}^{(00)} \\
& + 2m_{100}^{(11)} m_{100}^{(20)} m_{011}^{(02)} - 2m_{100}^{(11)} m_{100}^{(20)} m_{002}^{(01)} - 2m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(02)} + 2m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(01)} \\
& + m_{100}^{(11)} m_{010}^{(00)} m_{101}^{(22)} - m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(20)} - m_{100}^{(11)} m_{010}^{(02)} m_{200}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(20)} \\
& -m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(02)} + m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(00)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(00)} \\
& -m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(21)} + m_{100}^{(11)} m_{001}^{(01)} m_{011}^{(20)} + m_{100}^{(11)} m_{001}^{(02)} m_{200}^{(21)} - m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(20)} \\
& + m_{100}^{(11)} m_{001}^{(20)} m_{101}^{(01)} - m_{100}^{(11)} m_{001}^{(20)} m_{011}^{(00)} - m_{100}^{(11)} m_{001}^{(22)} m_{200}^{(01)} + m_{100}^{(11)} m_{001}^{(22)} m_{110}^{(00)} \\
& -2m_{100}^{(12)} m_{100}^{(20)} m_{020}^{(02)} + 2m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(01)} + 2m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(02)} - 2m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(01)} \\
& -m_{100}^{(12)} m_{010}^{(00)} m_{110}^{(22)} + m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(20)} + m_{100}^{(12)} m_{010}^{(01)} m_{200}^{(22)} - m_{100}^{(12)} m_{010}^{(01)} m_{101}^{(20)} \\
& + m_{100}^{(12)} m_{010}^{(20)} m_{110}^{(02)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(00)} - m_{100}^{(12)} m_{010}^{(21)} m_{200}^{(02)} + m_{100}^{(12)} m_{010}^{(21)} m_{101}^{(00)} \\
& + m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(21)} - m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(20)} - m_{100}^{(12)} m_{001}^{(01)} m_{200}^{(21)} + m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(20)} \\
& -m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(01)} + m_{100}^{(12)} m_{001}^{(21)} m_{020}^{(00)} + m_{100}^{(12)} m_{001}^{(22)} m_{200}^{(01)} - m_{100}^{(12)} m_{001}^{(22)} m_{110}^{(00)} \\
& + m_{100}^{(20)} m_{010}^{(01)} m_{101}^{(12)} - m_{100}^{(20)} m_{010}^{(01)} m_{002}^{(10)} - m_{100}^{(20)} m_{010}^{(02)} m_{110}^{(12)} + m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(10)} \\
& -m_{100}^{(20)} m_{010}^{(11)} m_{101}^{(02)} + m_{100}^{(20)} m_{010}^{(11)} m_{002}^{(00)} + m_{100}^{(20)} m_{010}^{(12)} m_{110}^{(02)} - m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(00)} \\
& -m_{100}^{(20)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(20)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(20)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(10)} \\
& + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(20)} m_{001}^{(11)} m_{011}^{(00)} - m_{100}^{(20)} m_{001}^{(12)} m_{110}^{(01)} + m_{100}^{(20)} m_{001}^{(12)} m_{020}^{(00)} \\
& -m_{100}^{(20)} m_{010}^{(01)} m_{101}^{(12)} + m_{100}^{(20)} m_{010}^{(01)} m_{002}^{(10)} + m_{100}^{(20)} m_{010}^{(02)} m_{200}^{(12)} - m_{100}^{(20)} m_{010}^{(02)} m_{101}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(10)} m_{101}^{(02)} - m_{100}^{(21)} m_{010}^{(10)} m_{002}^{(00)} - m_{100}^{(21)} m_{010}^{(12)} m_{200}^{(02)} + m_{100}^{(21)} m_{010}^{(12)} m_{101}^{(00)} \\
& + m_{100}^{(21)} m_{001}^{(00)} m_{101}^{(11)} - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(10)} - m_{100}^{(21)} m_{001}^{(02)} m_{200}^{(11)} + m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(10)} \\
& -m_{100}^{(21)} m_{001}^{(10)} m_{101}^{(01)} + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(00)} + m_{100}^{(21)} m_{001}^{(12)} m_{200}^{(01)} - m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(00)} \\
& + m_{100}^{(22)} m_{010}^{(00)} m_{110}^{(12)} - m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(10)} - m_{100}^{(22)} m_{010}^{(01)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(10)} \\
& -m_{100}^{(22)} m_{010}^{(10)} m_{110}^{(02)} + m_{100}^{(22)} m_{010}^{(10)} m_{011}^{(00)} + m_{100}^{(22)} m_{010}^{(11)} m_{200}^{(02)} - m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(00)} \\
& -m_{100}^{(22)} m_{001}^{(00)} m_{110}^{(11)} + m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(10)} + m_{100}^{(22)} m_{001}^{(01)} m_{200}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(10)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(01)} - m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(00)} - m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(01)} + m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{29}^{(2)} = & -m_{100}^{(00)} m_{010}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(11)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(12)} m_{020}^{(22)} - m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(21)} \\
& + m_{100}^{(00)} m_{010}^{(21)} m_{011}^{(12)} - m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(11)} - m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(21)} - m_{100}^{(01)} m_{010}^{(12)} m_{200}^{(22)} + m_{100}^{(01)} m_{010}^{(12)} m_{101}^{(21)} \\
& -m_{100}^{(01)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(11)} + m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(10)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(10)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(11)} m_{200}^{(22)} - m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(21)} \\
& + m_{100}^{(02)} m_{010}^{(20)} m_{020}^{(12)} - m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(11)} - m_{100}^{(02)} m_{010}^{(21)} m_{110}^{(12)} + m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(11)} \\
& + m_{100}^{(10)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(01)} m_{002}^{(21)} - m_{100}^{(10)} m_{010}^{(02)} m_{200}^{(22)} + m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(21)} \\
& -m_{100}^{(10)} m_{010}^{(21)} m_{011}^{(12)} + m_{100}^{(10)} m_{010}^{(21)} m_{002}^{(11)} + m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(10)} m_{010}^{(22)} m_{101}^{(11)} \\
& -m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(22)} + m_{100}^{(10)} m_{001}^{(01)} m_{002}^{(21)} + m_{100}^{(10)} m_{001}^{(02)} m_{200}^{(22)} - m_{100}^{(10)} m_{001}^{(02)} m_{011}^{(21)} \\
& -m_{100}^{(11)} m_{010}^{(00)} m_{011}^{(22)} + m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(21)} + m_{100}^{(11)} m_{010}^{(02)} m_{200}^{(22)} - m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(21)} \\
& -m_{100}^{(11)} m_{010}^{(21)} m_{011}^{(12)} + m_{100}^{(11)} m_{010}^{(21)} m_{002}^{(11)} + m_{100}^{(11)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +2m_{001}^{(02)} m_{001}^{(20)} m_{110}^{(11)} - 2m_{001}^{(02)} m_{001}^{(20)} m_{020}^{(10)} - 2m_{001}^{(02)} m_{001}^{(21)} m_{200}^{(11)} + 2m_{001}^{(02)} m_{001}^{(21)} m_{110}^{(10)} \\
& - 2m_{001}^{(10)} m_{001}^{(21)} m_{101}^{(01)} + 2m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(00)} + 2m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(01)} - 2m_{001}^{(10)} m_{001}^{(22)} m_{020}^{(00)} \\
& + 2m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(01)} - 2m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)} - 2m_{001}^{(11)} m_{001}^{(22)} m_{200}^{(01)} + 2m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)} \\
& - 2m_{001}^{(12)} m_{001}^{(20)} m_{110}^{(01)} + 2m_{001}^{(12)} m_{001}^{(20)} m_{020}^{(00)} + 2m_{001}^{(12)} m_{001}^{(21)} m_{200}^{(01)} - 2m_{001}^{(12)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
V2	2	2	A0
V3	V3	3	A0

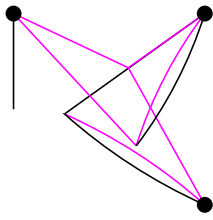


$$\begin{aligned}
P_{30}^{(1)} = & -m_{100}^{(00)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(00)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(00)} m_{100}^{(12)} m_{011}^{(12)} \\
& + m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(21)} - m_{100}^{(00)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(00)} m_{100}^{(10)} m_{011}^{(22)} - m_{100}^{(00)} m_{100}^{(10)} m_{002}^{(12)} - m_{100}^{(00)} m_{100}^{(12)} m_{110}^{(22)} + m_{100}^{(00)} m_{100}^{(12)} m_{101}^{(12)} \\
& - m_{100}^{(00)} m_{100}^{(20)} m_{011}^{(21)} + m_{100}^{(00)} m_{100}^{(20)} m_{002}^{(11)} + m_{100}^{(00)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(00)} m_{100}^{(22)} m_{101}^{(11)} \\
& - m_{100}^{(00)} m_{100}^{(10)} m_{020}^{(22)} + m_{100}^{(00)} m_{100}^{(10)} m_{011}^{(12)} + m_{100}^{(00)} m_{100}^{(11)} m_{110}^{(22)} - m_{100}^{(00)} m_{100}^{(11)} m_{101}^{(12)} \\
& + m_{100}^{(00)} m_{100}^{(20)} m_{011}^{(21)} - m_{100}^{(00)} m_{100}^{(20)} m_{002}^{(11)} - m_{100}^{(00)} m_{100}^{(21)} m_{110}^{(21)} + m_{100}^{(00)} m_{100}^{(21)} m_{101}^{(11)} \\
& + (m_{100}^{(01)})^2 m_{011}^{(22)} - (m_{100}^{(01)})^2 m_{002}^{(12)} - m_{100}^{(01)} m_{100}^{(02)} m_{020}^{(22)} + m_{100}^{(01)} m_{100}^{(02)} m_{011}^{(12)} \\
& - m_{100}^{(01)} m_{100}^{(02)} m_{011}^{(21)} + m_{100}^{(01)} m_{100}^{(02)} m_{002}^{(11)} - m_{100}^{(01)} m_{100}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(02)} \\
& + m_{100}^{(01)} m_{100}^{(12)} m_{101}^{(21)} - m_{100}^{(01)} m_{100}^{(12)} m_{002}^{(01)} + m_{100}^{(01)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(02)} \\
& - m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(20)} + m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(10)} - m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(11)} + m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(20)} \\
& + m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(01)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(10)} - m_{100}^{(01)} m_{100}^{(00)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(00)} m_{002}^{(12)} \\
& + m_{100}^{(01)} m_{100}^{(02)} m_{110}^{(22)} - m_{100}^{(01)} m_{100}^{(02)} m_{101}^{(12)} + m_{100}^{(01)} m_{100}^{(20)} m_{011}^{(20)} - m_{100}^{(01)} m_{100}^{(20)} m_{002}^{(10)} \\
& - m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(20)} + m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(10)} + m_{100}^{(01)} m_{100}^{(00)} m_{020}^{(22)} - m_{100}^{(01)} m_{100}^{(00)} m_{011}^{(12)} \\
& - m_{100}^{(01)} m_{100}^{(01)} m_{110}^{(22)} + m_{100}^{(01)} m_{100}^{(01)} m_{101}^{(12)} - m_{100}^{(01)} m_{100}^{(20)} m_{020}^{(20)} + m_{100}^{(01)} m_{100}^{(20)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{100}^{(21)} m_{110}^{(20)} - m_{100}^{(01)} m_{100}^{(21)} m_{101}^{(10)} + (m_{100}^{(02)})^2 m_{020}^{(21)} - (m_{100}^{(02)})^2 m_{011}^{(11)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)} - m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(02)} + m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(20)} - m_{100}^{(02)} m_{100}^{(11)} m_{002}^{(10)} \\
& - m_{100}^{(02)} m_{100}^{(12)} m_{110}^{(21)} - m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(20)} + m_{100}^{(02)} m_{100}^{(12)} m_{011}^{(01)} + m_{100}^{(02)} m_{100}^{(12)} m_{011}^{(10)} \\
& - m_{100}^{(02)} m_{100}^{(21)} m_{110}^{(12)} + m_{100}^{(02)} m_{100}^{(21)} m_{020}^{(22)} + m_{100}^{(02)} m_{100}^{(21)} m_{110}^{(11)} - m_{100}^{(02)} m_{100}^{(21)} m_{020}^{(01)} \\
& + m_{100}^{(02)} m_{100}^{(00)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(00)} m_{002}^{(11)} - m_{100}^{(02)} m_{100}^{(02)} m_{110}^{(21)} + m_{100}^{(02)} m_{100}^{(02)} m_{101}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(22)} + m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(12)} + m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} \\
& + m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(22)} - m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(12)} m_{101}^{(00)} \\
& - m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(12)} + m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(02)} + m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(21)} + m_{010}^{(20)} m_{001}^{(00)} m_{002}^{(11)} + m_{010}^{(20)} m_{001}^{(01)} m_{011}^{(20)} - m_{010}^{(20)} m_{001}^{(01)} m_{002}^{(10)} \\
& + m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(21)} - m_{010}^{(20)} m_{001}^{(10)} m_{002}^{(01)} - m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(20)} + m_{010}^{(20)} m_{001}^{(11)} m_{002}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(20)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(20)} m_{011}^{(10)} + m_{010}^{(20)} m_{001}^{(21)} m_{101}^{(10)} - m_{010}^{(20)} m_{001}^{(21)} m_{011}^{(00)} \\
& + m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(21)} - m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(20)} + m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} \\
& - m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(21)} + m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(11)} m_{200}^{(20)} - m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(00)} \\
& + m_{010}^{(22)} m_{001}^{(20)} m_{200}^{(11)} - m_{010}^{(22)} m_{001}^{(20)} m_{110}^{(01)} - m_{010}^{(22)} m_{001}^{(21)} m_{200}^{(10)} + m_{010}^{(22)} m_{001}^{(21)} m_{110}^{(00)} \\
& + m_{001}^{(00)} m_{001}^{(01)} m_{220}^{(22)} - m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(12)} - m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(21)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& - m_{001}^{(00)} m_{001}^{(10)} m_{020}^{(22)} + m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(12)} - m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(12)} + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(02)} \\
& + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} + m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(21)} - m_{001}^{(00)} m_{001}^{(20)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(12)} - m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(01)} + m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(02)} \\
& - m_{001}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(22)} m_{020}^{(01)} - (m_{001}^{(01)})^2 m_{110}^{(22)} + (m_{001}^{(01)})^2 m_{101}^{(12)} \\
& + m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(21)} - m_{001}^{(01)} m_{001}^{(02)} m_{101}^{(11)} + m_{001}^{(01)} m_{001}^{(11)} m_{200}^{(22)} - m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(02)} \\
& - m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(01)} - m_{001}^{(01)} m_{001}^{(20)} m_{020}^{(20)} + m_{001}^{(01)} m_{001}^{(20)} m_{011}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(12)} + m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(21)} m_{101}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(22)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(22)} m_{110}^{(01)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(20)} - m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(10)} \\
& - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} + (m_{001}^{(10)})^2 m_{110}^{(22)} - (m_{001}^{(10)})^2 m_{011}^{(02)} \\
& - m_{001}^{(10)} m_{001}^{(11)} m_{200}^{(22)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(02)} - m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(10)} m_{001}^{(12)} m_{011}^{(00)} \\
& - m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(12)} - m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(21)} + m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(02)} + m_{001}^{(10)} m_{001}^{(20)} m_{011}^{(01)} \\
& + m_{001}^{(10)} m_{001}^{(21)} m_{200}^{(21)} - m_{001}^{(10)} m_{001}^{(21)} m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(10)} - m_{001}^{(10)} m_{001}^{(22)} m_{020}^{(00)} \\
& + m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(20)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} + m_{001}^{(11)} m_{001}^{(20)} m_{200}^{(12)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(02)} \\
& + m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(20)} - m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)} - m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(20)} + m_{001}^{(11)} m_{001}^{(21)} m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(22)} m_{101}^{(10)} + m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)} + (m_{001}^{(20)})^2 m_{110}^{(11)} - (m_{001}^{(20)})^2 m_{020}^{(01)} \\
& - m_{001}^{(20)} m_{001}^{(21)} m_{200}^{(11)} + m_{001}^{(20)} m_{001}^{(21)} m_{110}^{(01)} - m_{001}^{(20)} m_{001}^{(21)} m_{110}^{(10)} + m_{001}^{(20)} m_{001}^{(21)} m_{020}^{(00)} \\
& + (m_{001}^{(21)})^2 m_{200}^{(10)} - (m_{001}^{(21)})^2 m_{110}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 2 & 1 \\
V2 & V2 & V3 & A0 \\
2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
& +m_{010}^{(02)} m_{001}^{(10)} m_{200}^{(21)} - m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(01)} - m_{010}^{(02)} m_{001}^{(20)} m_{200}^{(11)} + m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(01)} \\
& - m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(20)} + m_{010}^{(10)} m_{010}^{(20)} m_{002}^{(00)} + m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(20)} - m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(00)} \\
& - m_{010}^{(10)} m_{001}^{(00)} m_{110}^{(22)} + m_{010}^{(10)} m_{001}^{(00)} m_{011}^{(02)} - m_{010}^{(10)} m_{001}^{(00)} m_{011}^{(20)} + m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(01)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(01)} m_{101}^{(02)} + m_{010}^{(10)} m_{001}^{(10)} m_{101}^{(20)} - m_{010}^{(10)} m_{001}^{(10)} m_{002}^{(00)} \\
& + m_{010}^{(10)} m_{001}^{(20)} m_{110}^{(20)} - m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(10)} - m_{010}^{(10)} m_{001}^{(21)} m_{200}^{(20)} + m_{010}^{(10)} m_{001}^{(21)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(00)} - m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(00)} + (m_{010}^{(20)})^2 m_{101}^{(10)} - (m_{010}^{(20)})^2 m_{011}^{(00)} \\
& - m_{010}^{(20)} m_{010}^{(22)} m_{200}^{(10)} + m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(00)} + m_{010}^{(20)} m_{001}^{(00)} m_{110}^{(12)} - m_{010}^{(20)} m_{001}^{(00)} m_{020}^{(02)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{200}^{(12)} + m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(20)} m_{110}^{(10)} + m_{010}^{(20)} m_{001}^{(20)} m_{020}^{(00)} \\
& + m_{010}^{(20)} m_{001}^{(21)} m_{200}^{(10)} - m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(00)} - (m_{001}^{(00)})^2 m_{020}^{(21)} + (m_{001}^{(00)})^2 m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(01)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(01)} m_{101}^{(11)} + m_{001}^{(00)} m_{001}^{(10)} m_{110}^{(21)} + m_{001}^{(00)} m_{001}^{(10)} m_{020}^{(20)} \\
& - m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(10)} - m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(01)} \\
& - m_{001}^{(00)} m_{001}^{(20)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(01)} - m_{001}^{(01)} m_{001}^{(10)} m_{200}^{(21)} + m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(01)} - (m_{001}^{(10)})^2 m_{110}^{(20)} + (m_{001}^{(10)})^2 m_{011}^{(00)} \\
& + m_{001}^{(10)} m_{001}^{(20)} m_{200}^{(00)} - m_{001}^{(10)} m_{001}^{(20)} m_{101}^{(00)} + m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(10)} - m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(20)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{31}^{(2)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(01)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(12)} \\
& + m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(21)} - m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(12)} + m_{100}^{(01)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(12)} \\
& - m_{100}^{(01)} m_{010}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{010}^{(11)} m_{002}^{(02)} - m_{100}^{(01)} m_{010}^{(12)} m_{110}^{(22)} + m_{100}^{(01)} m_{010}^{(12)} m_{101}^{(12)} \\
& - m_{100}^{(01)} m_{010}^{(20)} m_{011}^{(21)} + m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(11)} + m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(21)} m_{011}^{(02)} \\
& + m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(21)} - m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(11)} - m_{100}^{(01)} m_{001}^{(01)} m_{011}^{(21)} + m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(11)} \\
& - m_{100}^{(01)} m_{001}^{(10)} m_{020}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(12)} + m_{100}^{(01)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(12)} \\
& + m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(21)} - m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(01)} + m_{100}^{(01)} m_{001}^{(20)} m_{020}^{(21)} - m_{100}^{(01)} m_{001}^{(20)} m_{011}^{(11)} \\
& - m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(21)} + m_{100}^{(01)} m_{001}^{(21)} m_{011}^{(01)} - m_{100}^{(02)} m_{010}^{(01)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(12)} \\
& + m_{100}^{(02)} m_{010}^{(11)} m_{110}^{(22)} - m_{100}^{(02)} m_{010}^{(11)} m_{011}^{(02)} - m_{100}^{(02)} m_{010}^{(21)} m_{110}^{(12)} + m_{100}^{(02)} m_{010}^{(21)} m_{020}^{(02)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(01)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(01)} \\
& + m_{100}^{(02)} m_{001}^{(21)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(21)} m_{020}^{(01)} + (m_{100}^{(11)})^2 m_{101}^{(22)} - (m_{100}^{(11)})^2 m_{002}^{(02)} \\
& - m_{100}^{(11)} m_{100}^{(12)} m_{110}^{(22)} + m_{100}^{(11)} m_{100}^{(12)} m_{011}^{(02)} - m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(01)} \\
& + m_{100}^{(11)} m_{100}^{(21)} m_{011}^{(02)} + m_{100}^{(11)} m_{100}^{(21)} m_{002}^{(01)} + m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(01)} \\
& - m_{100}^{(11)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(10)} m_{002}^{(02)} + m_{100}^{(11)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(11)} m_{010}^{(12)} m_{101}^{(02)} \\
& + m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(01)} - m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(01)} \\
& + m_{100}^{(11)} m_{001}^{(01)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(01)} m_{002}^{(02)} + m_{100}^{(11)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(10)} m_{011}^{(01)} \\
& - m_{100}^{(11)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(02)} - m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(11)} m_{001}^{(11)} m_{002}^{(00)} \\
& - m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(11)} m_{001}^{(20)} m_{011}^{(01)} + m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(21)} - m_{100}^{(11)} m_{001}^{(21)} m_{101}^{(01)} \\
& + m_{100}^{(11)} m_{001}^{(21)} m_{101}^{(10)} - m_{100}^{(11)} m_{001}^{(21)} m_{011}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(12)} - m_{100}^{(12)} m_{100}^{(21)} m_{020}^{(02)} \\
& - m_{100}^{(12)} m_{001}^{(01)} m_{020}^{(20)} + m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(12)} m_{001}^{(11)} m_{110}^{(20)} - m_{100}^{(12)} m_{001}^{(11)} m_{011}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(10)} + m_{100}^{(12)} m_{001}^{(21)} m_{020}^{(00)} + (m_{100}^{(21)})^2 m_{101}^{(11)} - (m_{100}^{(21)})^2 m_{011}^{(01)} \\
& - m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(21)} m_{100}^{(22)} m_{020}^{(01)} - m_{100}^{(21)} m_{010}^{(01)} m_{200}^{(20)} + m_{100}^{(21)} m_{010}^{(01)} m_{002}^{(10)}
\end{aligned}$$

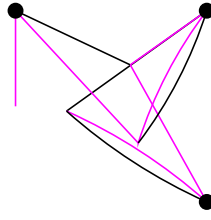
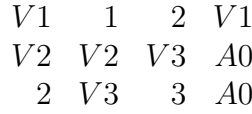
$$\begin{aligned}
& +m_{100}^{(21)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(10)} m_{011}^{(02)} + m_{100}^{(21)} m_{010}^{(11)} m_{101}^{(20)} - m_{100}^{(21)} m_{010}^{(11)} m_{002}^{(00)} \\
& - m_{100}^{(21)} m_{010}^{(12)} m_{200}^{(12)} + m_{100}^{(21)} m_{010}^{(12)} m_{110}^{(02)} - m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(01)} \\
& - m_{100}^{(21)} m_{010}^{(21)} m_{101}^{(10)} + m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(00)} + m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(11)} - m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(01)} \\
& - m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(10)} m_{020}^{(02)} + m_{100}^{(21)} m_{001}^{(11)} m_{200}^{(12)} - m_{100}^{(21)} m_{001}^{(11)} m_{110}^{(02)} \\
& + m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(21)} m_{001}^{(20)} m_{020}^{(01)} - m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(21)} m_{001}^{(21)} m_{110}^{(01)} \\
& + m_{100}^{(22)} m_{010}^{(01)} m_{200}^{(20)} - m_{100}^{(22)} m_{010}^{(01)} m_{011}^{(10)} - m_{100}^{(22)} m_{010}^{(11)} m_{110}^{(20)} + m_{100}^{(22)} m_{010}^{(11)} m_{011}^{(00)} \\
& + m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(21)} m_{020}^{(00)} - m_{100}^{(22)} m_{010}^{(21)} m_{011}^{(00)} + m_{100}^{(22)} m_{010}^{(21)} m_{002}^{(02)} \\
& + m_{010}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(11)} m_{002}^{(02)} - m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(12)} + m_{010}^{(00)} m_{010}^{(21)} m_{011}^{(02)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(01)} \\
& + m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(11)} - m_{010}^{(00)} m_{001}^{(21)} m_{011}^{(01)} + m_{010}^{(01)} m_{010}^{(02)} m_{110}^{(22)} - m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(12)} \\
& + m_{010}^{(01)} m_{010}^{(20)} m_{011}^{(20)} - m_{010}^{(01)} m_{010}^{(20)} m_{002}^{(10)} - m_{010}^{(01)} m_{010}^{(22)} m_{110}^{(20)} + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(10)} \\
& + m_{010}^{(01)} m_{001}^{(00)} m_{020}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(12)} - m_{010}^{(01)} m_{001}^{(01)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(12)} \\
& - m_{010}^{(01)} m_{001}^{(20)} m_{020}^{(20)} + m_{010}^{(01)} m_{001}^{(20)} m_{011}^{(10)} + m_{010}^{(01)} m_{001}^{(21)} m_{110}^{(20)} - m_{010}^{(01)} m_{001}^{(21)} m_{101}^{(10)} \\
& - m_{010}^{(02)} m_{010}^{(11)} m_{200}^{(22)} + m_{010}^{(02)} m_{010}^{(11)} m_{101}^{(02)} + m_{010}^{(02)} m_{010}^{(21)} m_{200}^{(12)} - m_{010}^{(02)} m_{010}^{(21)} m_{110}^{(02)} \\
& - m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(21)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(11)} + m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(21)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(01)} \\
& - m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(11)} + m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(01)} - m_{010}^{(10)} m_{001}^{(01)} m_{200}^{(20)} + m_{010}^{(10)} m_{001}^{(01)} m_{002}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(11)} m_{101}^{(20)} - m_{010}^{(10)} m_{001}^{(11)} m_{011}^{(00)} + m_{010}^{(10)} m_{001}^{(21)} m_{110}^{(20)} + m_{010}^{(10)} m_{001}^{(21)} m_{101}^{(00)} \\
& - m_{010}^{(11)} m_{010}^{(20)} m_{101}^{(20)} + m_{010}^{(11)} m_{010}^{(20)} m_{002}^{(00)} + m_{010}^{(11)} m_{010}^{(22)} m_{200}^{(20)} - m_{010}^{(11)} m_{010}^{(22)} m_{101}^{(00)} \\
& - m_{010}^{(11)} m_{001}^{(00)} m_{110}^{(22)} + m_{010}^{(11)} m_{001}^{(00)} m_{011}^{(12)} + m_{010}^{(11)} m_{001}^{(01)} m_{200}^{(22)} - m_{010}^{(11)} m_{001}^{(01)} m_{101}^{(02)} \\
& + m_{010}^{(11)} m_{001}^{(20)} m_{110}^{(20)} - m_{010}^{(11)} m_{001}^{(20)} m_{011}^{(00)} - m_{010}^{(11)} m_{001}^{(21)} m_{200}^{(20)} + m_{010}^{(11)} m_{001}^{(21)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(01)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(11)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(11)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(21)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(21)} m_{110}^{(00)} + m_{010}^{(20)} m_{010}^{(21)} m_{101}^{(10)} - m_{010}^{(20)} m_{010}^{(21)} m_{011}^{(00)} \\
& - m_{010}^{(21)} m_{010}^{(22)} m_{200}^{(10)} + m_{010}^{(21)} m_{010}^{(22)} m_{110}^{(00)} + m_{010}^{(21)} m_{001}^{(00)} m_{110}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{020}^{(02)} \\
& - m_{010}^{(21)} m_{001}^{(01)} m_{200}^{(12)} + m_{010}^{(21)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(21)} m_{001}^{(10)} m_{110}^{(10)} + m_{010}^{(21)} m_{001}^{(10)} m_{020}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(21)} m_{200}^{(10)} - m_{010}^{(21)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{200}^{(21)} + m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(01)} \\
& + (m_{001}^{(01)})^2 m_{110}^{(21)} - (m_{001}^{(01)})^2 m_{101}^{(11)} + m_{001}^{(01)} m_{001}^{(10)} m_{020}^{(20)} - m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(11)} m_{200}^{(21)} - m_{001}^{(01)} m_{001}^{(11)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(10)} \\
& + m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(01)} - m_{001}^{(10)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(10)} m_{001}^{(11)} m_{011}^{(00)} \\
& + m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(10)} - m_{001}^{(10)} m_{001}^{(21)} m_{020}^{(00)} + (m_{001}^{(11)})^2 m_{200}^{(20)} - (m_{001}^{(11)})^2 m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{31}^{(3)} = & m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{002}^{(12)} - m_{100}^{(01)} m_{010}^{(12)} m_{101}^{(22)} + m_{100}^{(01)} m_{010}^{(12)} m_{002}^{(02)} \\
& + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(21)} + m_{100}^{(01)} m_{001}^{(02)} m_{002}^{(11)} \\
& + m_{100}^{(01)} m_{001}^{(12)} m_{101}^{(21)} - m_{100}^{(01)} m_{001}^{(12)} m_{002}^{(01)} - m_{100}^{(01)} m_{001}^{(22)} m_{101}^{(11)} + m_{100}^{(01)} m_{001}^{(22)} m_{011}^{(01)} \\
& - m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(02)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(12)} m_{011}^{(12)} \\
& + m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(02)} m_{100}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(02)} m_{011}^{(12)} + m_{100}^{(02)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(02)} m_{010}^{(10)} m_{002}^{(12)} \\
& + m_{100}^{(02)} m_{010}^{(12)} m_{101}^{(12)} - m_{100}^{(02)} m_{010}^{(12)} m_{011}^{(02)} - m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(20)} m_{002}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(12)} + m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(02)} - m_{100}^{(02)} m_{010}^{(22)} m_{101}^{(11)} + m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& +m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(10)} m_{020}^{(22)} + m_{100}^{(02)} m_{001}^{(10)} m_{011}^{(12)} \\
& +m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(02)} m_{001}^{(11)} m_{101}^{(12)} - m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(12)} m_{011}^{(01)} \\
& +m_{100}^{(02)} m_{001}^{(20)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(20)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(21)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(21)} m_{101}^{(11)} \\
& +m_{100}^{(02)} m_{001}^{(22)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(22)} m_{020}^{(01)} + m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(22)} - m_{100}^{(11)} m_{100}^{(12)} m_{002}^{(02)} \\
& -m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(02)} + m_{100}^{(11)} m_{001}^{(02)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(02)} m_{002}^{(10)} \\
& -m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(20)} + m_{100}^{(11)} m_{001}^{(12)} m_{002}^{(00)} + m_{100}^{(11)} m_{001}^{(22)} m_{101}^{(10)} - m_{100}^{(11)} m_{001}^{(22)} m_{011}^{(00)} \\
& - (m_{100}^{(12)})^2 m_{110}^{(22)} + (m_{100}^{(12)})^2 m_{011}^{(02)} - m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(21)} + m_{100}^{(12)} m_{100}^{(21)} m_{002}^{(01)} \\
& +m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(12)} + m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(12)} m_{100}^{(22)} m_{020}^{(02)} - m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(01)} \\
& -m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(12)} m_{010}^{(10)} m_{002}^{(02)} + m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(12)} m_{010}^{(12)} m_{101}^{(02)} \\
& +m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(01)} - m_{100}^{(12)} m_{010}^{(20)} m_{002}^{(01)} - m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(12)} m_{010}^{(22)} m_{101}^{(01)} \\
& -m_{100}^{(12)} m_{001}^{(02)} m_{020}^{(20)} + m_{100}^{(12)} m_{001}^{(02)} m_{011}^{(10)} + m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(02)} \\
& -m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(02)} + m_{100}^{(12)} m_{001}^{(12)} m_{110}^{(20)} - m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(00)} \\
& -m_{100}^{(12)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(20)} m_{011}^{(01)} + m_{100}^{(12)} m_{001}^{(21)} m_{200}^{(21)} - m_{100}^{(12)} m_{001}^{(21)} m_{101}^{(01)} \\
& -m_{100}^{(12)} m_{001}^{(22)} m_{110}^{(10)} + m_{100}^{(12)} m_{001}^{(22)} m_{020}^{(00)} + m_{100}^{(21)} m_{100}^{(22)} m_{101}^{(11)} - m_{100}^{(21)} m_{100}^{(22)} m_{011}^{(01)} \\
& -m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(21)} m_{010}^{(20)} m_{002}^{(10)} + m_{100}^{(21)} m_{010}^{(12)} m_{101}^{(20)} - m_{100}^{(21)} m_{010}^{(12)} m_{002}^{(00)} \\
& -m_{100}^{(21)} m_{010}^{(22)} m_{101}^{(00)} + m_{100}^{(21)} m_{010}^{(22)} m_{011}^{(00)} - (m_{100}^{(22)})^2 m_{110}^{(11)} + (m_{100}^{(22)})^2 m_{020}^{(01)} \\
& +m_{100}^{(22)} m_{010}^{(02)} m_{020}^{(20)} - m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(22)} m_{010}^{(10)} m_{011}^{(02)} \\
& -m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(12)} m_{110}^{(20)} - m_{100}^{(22)} m_{010}^{(12)} m_{110}^{(20)} + m_{100}^{(22)} m_{010}^{(12)} m_{011}^{(00)} \\
& -m_{100}^{(22)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(11)} - m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(01)} \\
& +m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(22)} m_{020}^{(00)} - m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(02)} \\
& +m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(12)} - m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(02)} + m_{100}^{(22)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(20)} m_{020}^{(01)} \\
& -m_{100}^{(22)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(22)} m_{001}^{(21)} m_{110}^{(01)} - m_{100}^{(00)} m_{010}^{(02)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(02)} m_{002}^{(12)} \\
& +m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{002}^{(02)} - m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(12)} + m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(02)} \\
& +m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(02)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(01)} \\
& +m_{010}^{(00)} m_{001}^{(22)} m_{101}^{(11)} - m_{010}^{(00)} m_{001}^{(22)} m_{011}^{(01)} + (m_{010}^{(02)})^2 m_{110}^{(22)} - (m_{010}^{(02)})^2 m_{101}^{(12)} \\
& -m_{010}^{(02)} m_{010}^{(12)} m_{200}^{(02)} + m_{010}^{(02)} m_{010}^{(12)} m_{101}^{(02)} + m_{010}^{(02)} m_{010}^{(20)} m_{011}^{(20)} - m_{010}^{(02)} m_{010}^{(20)} m_{002}^{(10)} \\
& +m_{010}^{(02)} m_{010}^{(22)} m_{120}^{(12)} - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(02)} - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(20)} + m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(10)} \\
& +m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(22)} - m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(12)} - m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(12)} \\
& -m_{010}^{(02)} m_{001}^{(02)} m_{110}^{(21)} + m_{010}^{(02)} m_{001}^{(02)} m_{101}^{(11)} + m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(21)} - m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} \\
& -m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(20)} + m_{010}^{(02)} m_{001}^{(20)} m_{011}^{(10)} + m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(20)} - m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(10)} \\
& -m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(11)} + m_{010}^{(02)} m_{001}^{(22)} m_{011}^{(01)} - m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(20)} + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(10)} \\
& +m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(00)} - m_{010}^{(10)} m_{001}^{(12)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(22)} m_{101}^{(10)} + m_{010}^{(10)} m_{001}^{(22)} m_{011}^{(00)} \\
& -m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(00)} + m_{010}^{(12)} m_{010}^{(20)} m_{002}^{(00)} + m_{010}^{(12)} m_{010}^{(22)} m_{200}^{(20)} - m_{010}^{(12)} m_{010}^{(22)} m_{101}^{(00)} \\
& -m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(22)} + m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(02)} + m_{010}^{(12)} m_{001}^{(01)} m_{200}^{(22)} - m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(02)} \\
& +m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(20)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(22)} m_{101}^{(00)} \\
& +m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(20)} m_{011}^{(00)} - m_{010}^{(12)} m_{001}^{(21)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(21)} m_{101}^{(00)} \\
& +m_{010}^{(12)} m_{001}^{(22)} m_{110}^{(10)} - m_{010}^{(12)} m_{001}^{(22)} m_{011}^{(00)} + m_{010}^{(20)} m_{001}^{(22)} m_{101}^{(10)} - m_{010}^{(20)} m_{001}^{(22)} m_{011}^{(00)} \\
& - (m_{010}^{(22)})^2 m_{200}^{(10)} + (m_{010}^{(22)})^2 m_{110}^{(00)} + m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(12)} - m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(12)} + m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(20)} m_{110}^{(10)} + m_{010}^{(22)} m_{001}^{(20)} m_{020}^{(00)} \\
& + m_{010}^{(22)} m_{001}^{(21)} m_{200}^{(10)} - m_{010}^{(22)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(21)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(22)} m_{020}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(21)} - m_{001}^{(01)} m_{001}^{(02)} m_{101}^{(11)} - m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(22)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(22)} m_{110}^{(01)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(20)} - m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(10)} \\
& - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} - m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(10)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(10)} - m_{001}^{(10)} m_{001}^{(22)} m_{020}^{(00)} + m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(20)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(22)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:



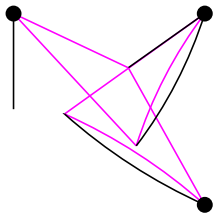
$$\begin{aligned}
P_{32}^{(1)} = & -m_{100}^{(00)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(00)} m_{100}^{(12)} m_{011}^{(21)} - m_{100}^{(00)} m_{100}^{(12)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{100}^{(21)} m_{020}^{(22)} - m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(00)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(00)} m_{010}^{(10)} m_{002}^{(12)} - m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(12)} m_{002}^{(10)} \\
& - m_{100}^{(00)} m_{010}^{(20)} m_{020}^{(22)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(20)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(10)} m_{002}^{(11)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(20)} m_{020}^{(21)} - m_{100}^{(00)} m_{001}^{(20)} m_{011}^{(11)} - m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(20)} + m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(10)} \\
& + (m_{100}^{(01)})^2 m_{011}^{(22)} - (m_{100}^{(01)})^2 m_{002}^{(12)} - m_{100}^{(01)} m_{100}^{(02)} m_{020}^{(22)} + m_{100}^{(01)} m_{100}^{(02)} m_{011}^{(12)} \\
& - m_{100}^{(01)} m_{100}^{(02)} m_{011}^{(21)} + m_{100}^{(01)} m_{100}^{(02)} m_{002}^{(11)} - m_{100}^{(01)} m_{100}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(02)} \\
& + m_{100}^{(01)} m_{100}^{(12)} m_{110}^{(22)} - m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(02)} - m_{100}^{(01)} m_{100}^{(21)} m_{110}^{(22)} + 2m_{100}^{(01)} m_{100}^{(21)} m_{101}^{(12)} \\
& - m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(02)} - m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(12)} + m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(11)} \\
& + m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(02)} - m_{100}^{(01)} m_{010}^{(00)} m_{011}^{(22)} + m_{100}^{(01)} m_{010}^{(00)} m_{002}^{(12)} + m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(20)} \\
& - m_{100}^{(01)} m_{010}^{(02)} m_{002}^{(10)} + m_{100}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(10)} \\
& + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(10)} + m_{100}^{(01)} m_{001}^{(00)} m_{011}^{(21)} - m_{100}^{(01)} m_{001}^{(00)} m_{002}^{(11)} - m_{100}^{(01)} m_{001}^{(01)} m_{011}^{(20)} \\
& + m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(10)} - m_{100}^{(01)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(01)} m_{001}^{(20)} m_{101}^{(11)} + m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(10)} \\
& - m_{100}^{(01)} m_{001}^{(21)} m_{101}^{(10)} + (m_{100}^{(02)})^2 m_{020}^{(21)} - (m_{100}^{(02)})^2 m_{011}^{(11)} + m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)}
\end{aligned}$$

$$\begin{aligned}
P_{32}^{(2)} = & m_{100}^{(01)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(12)} - m_{100}^{(01)} m_{010}^{(02)} m_{020}^{(22)} + m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(12)} \\
& - m_{100}^{(01)} m_{010}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{010}^{(11)} m_{002}^{(02)} + m_{100}^{(01)} m_{010}^{(12)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(12)} m_{011}^{(02)} \\
& + m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(21)} m_{011}^{(02)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(12)} + m_{100}^{(01)} m_{010}^{(22)} m_{020}^{(02)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(01)} m_{002}^{(11)} + m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(21)} - m_{100}^{(02)} m_{010}^{(02)} m_{011}^{(11)} \\
& + m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(21)} - m_{100}^{(02)} m_{010}^{(11)} m_{002}^{(01)} - m_{100}^{(02)} m_{010}^{(12)} m_{110}^{(21)} + m_{100}^{(02)} m_{010}^{(12)} m_{011}^{(01)} \\
& - m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(11)} + m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(01)} + m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(11)} - m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(01)} \\
& - m_{100}^{(11)} m_{010}^{(00)} m_{011}^{(22)} + m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(12)} + m_{100}^{(11)} m_{010}^{(02)} m_{110}^{(22)} - m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(12)} \\
& + m_{100}^{(11)} m_{010}^{(10)} m_{101}^{(22)} - m_{100}^{(11)} m_{010}^{(10)} m_{002}^{(02)} - m_{100}^{(11)} m_{010}^{(12)} m_{200}^{(22)} + m_{100}^{(11)} m_{010}^{(12)} m_{101}^{(02)} \\
& - m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(12)} + m_{100}^{(11)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(12)} - m_{100}^{(11)} m_{010}^{(22)} m_{110}^{(02)} \\
& + m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(21)} - m_{100}^{(12)} m_{010}^{(00)} m_{002}^{(11)} - m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(21)} + m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(11)} \\
& - m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(21)} + m_{100}^{(12)} m_{010}^{(10)} m_{002}^{(01)} + m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(21)} - m_{100}^{(12)} m_{010}^{(12)} m_{101}^{(01)} \\
& + m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(11)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(01)} - m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(11)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(01)} \\
& + m_{100}^{(21)} m_{010}^{(00)} m_{020}^{(22)} - m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(12)} - m_{100}^{(21)} m_{010}^{(01)} m_{110}^{(22)} + m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(12)} \\
& - m_{100}^{(21)} m_{010}^{(10)} m_{110}^{(22)} + m_{100}^{(21)} m_{010}^{(10)} m_{011}^{(02)} + m_{100}^{(21)} m_{010}^{(11)} m_{200}^{(22)} - m_{100}^{(21)} m_{010}^{(11)} m_{101}^{(02)} \\
& + m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{020}^{(02)} - m_{100}^{(21)} m_{010}^{(21)} m_{200}^{(12)} + m_{100}^{(21)} m_{010}^{(21)} m_{110}^{(02)} \\
& - m_{100}^{(22)} m_{010}^{(00)} m_{020}^{(21)} + m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(11)} + m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(21)} - m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(11)} \\
& + m_{100}^{(22)} m_{010}^{(10)} m_{110}^{(21)} - m_{100}^{(22)} m_{010}^{(10)} m_{011}^{(01)} - m_{100}^{(22)} m_{010}^{(11)} m_{200}^{(21)} + m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(01)} \\
& - m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(11)} + m_{100}^{(22)} m_{010}^{(20)} m_{020}^{(01)} + m_{100}^{(22)} m_{010}^{(21)} m_{200}^{(11)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(01)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(12)} + m_{010}^{(00)} m_{010}^{(02)} m_{020}^{(22)} - m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(12)} \\
& + m_{010}^{(00)} m_{010}^{(10)} m_{011}^{(22)} - m_{010}^{(00)} m_{010}^{(10)} m_{002}^{(12)} + m_{010}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(11)} m_{002}^{(02)} \\
& - m_{010}^{(00)} m_{010}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{010}^{(12)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{010}^{(00)} m_{010}^{(12)} m_{002}^{(10)} \\
& - m_{010}^{(00)} m_{010}^{(20)} m_{020}^{(22)} + m_{010}^{(00)} m_{010}^{(20)} m_{011}^{(12)} - m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(12)} + m_{010}^{(00)} m_{010}^{(21)} m_{011}^{(02)} \\
& + m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{010}^{(22)} m_{020}^{(02)} + m_{010}^{(00)} m_{010}^{(22)} m_{020}^{(20)} - m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& - m_{010}^{(00)} m_{001} m_{011}^{(21)} + m_{010}^{(00)} m_{001} m_{002}^{(11)} + m_{010}^{(00)} m_{001} m_{011}^{(20)} - m_{010}^{(00)} m_{001} m_{002}^{(02)} \\
& + m_{010}^{(00)} m_{001} m_{020}^{(21)} - m_{010}^{(00)} m_{001} m_{011}^{(11)} - m_{010}^{(00)} m_{001} m_{020}^{(20)} + m_{010}^{(00)} m_{001} m_{011}^{(10)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{011}^{(20)} - m_{010}^{(01)} m_{010}^{(02)} m_{002}^{(10)} + m_{010}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(12)} \\
& - m_{010}^{(01)} m_{010}^{(22)} m_{110}^{(20)} + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(10)} + m_{010}^{(01)} m_{001} m_{011}^{(21)} - m_{010}^{(01)} m_{001} m_{002}^{(11)} \\
& - m_{010}^{(01)} m_{001} m_{011}^{(20)} + m_{010}^{(01)} m_{001} m_{002}^{(10)} - m_{010}^{(01)} m_{001} m_{110}^{(21)} + m_{010}^{(01)} m_{001} m_{101}^{(11)} \\
& + m_{010}^{(01)} m_{001} m_{110}^{(20)} - m_{010}^{(01)} m_{001} m_{101}^{(10)} - (m_{010}^{(02)})^2 m_{020}^{(20)} + (m_{010}^{(02)})^2 m_{011}^{(10)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{110}^{(22)} + m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(12)} - m_{010}^{(02)} m_{010}^{(11)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(11)} m_{002}^{(00)} \\
& + 2m_{010}^{(02)} m_{010}^{(12)} m_{110}^{(20)} - m_{010}^{(02)} m_{010}^{(12)} m_{101}^{(10)} - m_{010}^{(02)} m_{010}^{(12)} m_{011}^{(00)} + m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(10)} \\
& - m_{010}^{(02)} m_{010}^{(21)} m_{011}^{(00)} - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{010}^{(22)} m_{020}^{(00)} - m_{010}^{(02)} m_{001} m_{020}^{(21)} \\
& + m_{010}^{(02)} m_{001} m_{011}^{(11)} + m_{010}^{(02)} m_{001} m_{020}^{(20)} - m_{010}^{(02)} m_{001} m_{011}^{(10)} + m_{010}^{(02)} m_{001} m_{110}^{(21)} \\
& - m_{010}^{(02)} m_{001} m_{101}^{(11)} - m_{010}^{(02)} m_{001} m_{110}^{(10)} + m_{010}^{(02)} m_{001} m_{101}^{(10)} - (m_{010}^{(10)})^2 m_{101}^{(22)} \\
& + (m_{010}^{(10)})^2 m_{002}^{(02)} + m_{010}^{(10)} m_{010}^{(12)} m_{200}^{(22)} - m_{010}^{(10)} m_{010}^{(12)} m_{101}^{(02)} + m_{010}^{(10)} m_{010}^{(12)} m_{101}^{(20)} \\
& - m_{010}^{(10)} m_{010}^{(12)} m_{002}^{(00)} + m_{010}^{(10)} m_{010}^{(20)} m_{110}^{(22)} + m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(12)} - 2m_{010}^{(10)} m_{010}^{(20)} m_{011}^{(02)} \\
& - m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(12)} + m_{010}^{(10)} m_{010}^{(22)} m_{110}^{(10)} - m_{010}^{(10)} m_{010}^{(22)} m_{110}^{(20)} + m_{010}^{(10)} m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{010}^{(10)} m_{001} m_{101}^{(21)} - m_{010}^{(10)} m_{001} m_{002}^{(01)} - m_{010}^{(10)} m_{001} m_{101}^{(20)} + m_{010}^{(10)} m_{001} m_{002}^{(00)}
\end{aligned}$$

$$\begin{aligned}
& +m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(10)} - m_{010}^{(02)} m_{001}^{(21)} m_{011}^{(00)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{020}^{(00)} \\
& +m_{010}^{(10)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(12)} - m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} + m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(12)} \\
& -m_{010}^{(10)} m_{001}^{(10)} m_{101}^{(22)} + m_{010}^{(10)} m_{001}^{(10)} m_{002}^{(02)} + m_{010}^{(10)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(02)} \\
& +m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(12)} - m_{010}^{(10)} m_{001}^{(20)} m_{011}^{(02)} - m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(02)} \\
& -m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(20)} + m_{010}^{(12)} m_{001}^{(00)} m_{002}^{(10)} + m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} \\
& +m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(20)} - m_{010}^{(12)} m_{001}^{(10)} m_{002}^{(00)} - m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(12)} m_{101}^{(00)} \\
& -m_{010}^{(12)} m_{001}^{(20)} m_{101}^{(10)} + m_{010}^{(12)} m_{001}^{(20)} m_{011}^{(00)} + m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(22)} m_{110}^{(00)} \\
& -m_{010}^{(20)} m_{001}^{(00)} m_{020}^{(22)} + m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(12)} + m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(22)} - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(12)} \\
& +m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(22)} - m_{010}^{(20)} m_{001}^{(10)} m_{011}^{(02)} - m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(22)} + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(02)} \\
& -m_{010}^{(20)} m_{001}^{(20)} m_{110}^{(12)} + m_{010}^{(20)} m_{001}^{(20)} m_{020}^{(02)} + m_{010}^{(20)} m_{001}^{(21)} m_{200}^{(12)} - m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(02)} \\
& +m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(20)} - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(10)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(20)} + m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} \\
& -m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(20)} + m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(00)} + m_{010}^{(22)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(00)} \\
& +m_{010}^{(22)} m_{001}^{(20)} m_{110}^{(10)} - m_{010}^{(22)} m_{001}^{(20)} m_{020}^{(00)} - m_{010}^{(22)} m_{001}^{(21)} m_{200}^{(10)} + m_{010}^{(22)} m_{001}^{(21)} m_{110}^{(00)} \\
& +m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(21)} - m_{001}^{(00)} m_{001}^{(01)} m_{002}^{(11)} - m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(21)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& -m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{001}^{(00)} m_{001}^{(10)} m_{002}^{(02)} - m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(21)} + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(02)} \\
& +m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(01)} - m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(10)} + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} \\
& +m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(21)} - m_{001}^{(00)} m_{001}^{(20)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(02)} \\
& -m_{001}^{(00)} m_{001}^{(21)} m_{011}^{(01)} + m_{001}^{(00)} m_{001}^{(21)} m_{011}^{(10)} - m_{001}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(22)} m_{020}^{(01)} \\
& -(m_{001}^{(01)})^2 m_{011}^{(20)} + (m_{001}^{(01)})^2 m_{002}^{(10)} + m_{001}^{(01)} m_{001}^{(02)} m_{020}^{(20)} - m_{001}^{(01)} m_{001}^{(02)} m_{011}^{(10)} \\
& +m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(20)} - m_{001}^{(01)} m_{001}^{(11)} m_{002}^{(00)} - m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(12)} m_{011}^{(00)} \\
& -m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(21)} + m_{001}^{(01)} m_{001}^{(20)} m_{101}^{(11)} + m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(20)} - 2m_{001}^{(01)} m_{001}^{(21)} m_{101}^{(10)} \\
& +m_{001}^{(01)} m_{001}^{(21)} m_{011}^{(00)} + m_{001}^{(01)} m_{001}^{(22)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(22)} m_{020}^{(00)} + m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(21)} \\
& -m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(11)} - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} + (m_{001}^{(10)})^2 m_{101}^{(21)} \\
& -(m_{001}^{(10)})^2 m_{002}^{(01)} - m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(20)} + m_{001}^{(10)} m_{001}^{(11)} m_{002}^{(00)} - m_{001}^{(10)} m_{001}^{(12)} m_{200}^{(21)} \\
& +m_{001}^{(10)} m_{001}^{(12)} m_{101}^{(01)} - m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(21)} - m_{001}^{(10)} m_{001}^{(20)} m_{101}^{(11)} + 2m_{001}^{(10)} m_{001}^{(20)} m_{011}^{(01)} \\
& +m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(20)} - m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(00)} + m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(11)} - m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(01)} \\
& +m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(20)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} + m_{001}^{(11)} m_{001}^{(20)} m_{200}^{(21)} - m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(01)} \\
& +m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(10)} - m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)} - m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(20)} + m_{001}^{(11)} m_{001}^{(21)} m_{101}^{(00)} \\
& -m_{001}^{(11)} m_{001}^{(22)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)} + (m_{001}^{(20)})^2 m_{110}^{(11)} - (m_{001}^{(20)})^2 m_{020}^{(01)} \\
& -m_{001}^{(20)} m_{001}^{(21)} m_{200}^{(11)} + m_{001}^{(20)} m_{001}^{(21)} m_{110}^{(01)} - m_{001}^{(20)} m_{001}^{(21)} m_{110}^{(10)} + m_{001}^{(20)} m_{001}^{(21)} m_{020}^{(00)} \\
& +(m_{001}^{(21)})^2 m_{200}^{(10)} - (m_{001}^{(21)})^2 m_{110}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
V2 & 2 & V3 & A0 \\
& 2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{33}^{(1)} = & -m_{100}^{(00)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(00)} m_{100}^{(12)} m_{011}^{(21)} - m_{100}^{(00)} m_{100}^{(12)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{100}^{(21)} m_{020}^{(22)} - m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(00)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(00)} m_{010}^{(10)} m_{002}^{(12)} - m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(12)} m_{002}^{(10)} \\
& - m_{100}^{(00)} m_{010}^{(20)} m_{020}^{(22)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(20)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(10)} m_{002}^{(11)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(20)} m_{020}^{(21)} - m_{100}^{(00)} m_{001}^{(20)} m_{011}^{(11)} - m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(20)} + m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(00)} m_{002}^{(12)} - m_{100}^{(01)} m_{010}^{(10)} m_{101}^{(20)} + m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(02)} \\
& + m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(20)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(01)} m_{001}^{(00)} m_{011}^{(12)} \\
& + m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(11)} m_{110}^{(20)} + m_{100}^{(01)} m_{001}^{(11)} m_{020}^{(02)} \\
& - m_{100}^{(02)} m_{010}^{(00)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(00)} m_{002}^{(11)} + m_{100}^{(02)} m_{010}^{(10)} m_{101}^{(21)} - m_{100}^{(02)} m_{010}^{(10)} m_{002}^{(01)} \\
& - m_{100}^{(02)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(02)} m_{001}^{(00)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(00)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{001}^{(10)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(10)} m_{011}^{(01)} + m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(20)} - m_{100}^{(02)} m_{001}^{(11)} m_{020}^{(01)} \\
& + m_{100}^{(10)} m_{100}^{(11)} m_{101}^{(22)} - m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(02)} - m_{100}^{(10)} m_{100}^{(12)} m_{101}^{(21)} + m_{100}^{(10)} m_{100}^{(12)} m_{002}^{(01)} \\
& - m_{100}^{(10)} m_{100}^{(21)} m_{110}^{(22)} + m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(02)} + m_{100}^{(10)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(10)} m_{100}^{(22)} m_{011}^{(01)} \\
& - m_{100}^{(10)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(10)} m_{002}^{(02)} + m_{100}^{(10)} m_{010}^{(12)} m_{101}^{(20)} - m_{100}^{(10)} m_{010}^{(12)} m_{002}^{(00)} \\
& + m_{100}^{(10)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(02)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(20)} + m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{101}^{(21)} - m_{100}^{(10)} m_{001}^{(10)} m_{002}^{(01)} - m_{100}^{(10)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(10)} m_{001}^{(11)} m_{002}^{(00)} \\
& - m_{100}^{(10)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(20)} m_{011}^{(01)} + m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(20)} - m_{100}^{(10)} m_{001}^{(21)} m_{011}^{(00)} \\
& - m_{100}^{(11)} m_{100}^{(10)} m_{101}^{(22)} + m_{100}^{(11)} m_{100}^{(10)} m_{011}^{(02)} + m_{100}^{(11)} m_{001}^{(00)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(00)} m_{101}^{(12)} \\
& - m_{100}^{(11)} m_{001}^{(10)} m_{200}^{(22)} + m_{100}^{(11)} m_{001}^{(10)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(11)} m_{200}^{(20)} - m_{100}^{(11)} m_{001}^{(11)} m_{110}^{(12)} \\
& + m_{100}^{(12)} m_{100}^{(11)} m_{101}^{(21)} - m_{100}^{(12)} m_{100}^{(11)} m_{011}^{(01)} - m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(00)} m_{101}^{(11)} \\
& + m_{100}^{(12)} m_{001}^{(10)} m_{200}^{(21)} - m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(20)} + m_{100}^{(12)} m_{001}^{(11)} m_{110}^{(10)} \\
& + m_{100}^{(20)} m_{100}^{(10)} m_{110}^{(22)} - m_{100}^{(20)} m_{100}^{(10)} m_{020}^{(02)} - m_{100}^{(20)} m_{100}^{(12)} m_{110}^{(20)} + m_{100}^{(20)} m_{100}^{(12)} m_{020}^{(00)} \\
& + m_{100}^{(20)} m_{010}^{(10)} m_{101}^{(21)} - m_{100}^{(20)} m_{010}^{(10)} m_{011}^{(02)} - m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(20)} + m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(00)} \\
& - m_{100}^{(20)} m_{010}^{(20)} m_{110}^{(21)} + m_{100}^{(20)} m_{010}^{(20)} m_{020}^{(02)} + m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(20)} - m_{100}^{(20)} m_{010}^{(22)} m_{020}^{(00)} \\
& - m_{100}^{(20)} m_{001}^{(10)} m_{101}^{(21)} + m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(01)} + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(20)} - m_{100}^{(20)} m_{001}^{(11)} m_{011}^{(00)} \\
& + m_{100}^{(20)} m_{001}^{(20)} m_{110}^{(21)} - m_{100}^{(20)} m_{001}^{(20)} m_{020}^{(01)} - m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(20)} + m_{100}^{(20)} m_{001}^{(21)} m_{020}^{(00)} \\
& - m_{100}^{(21)} m_{010}^{(00)} m_{110}^{(22)} + m_{100}^{(21)} m_{010}^{(00)} m_{101}^{(02)} + m_{100}^{(21)} m_{010}^{(10)} m_{200}^{(22)} - m_{100}^{(21)} m_{010}^{(10)} m_{101}^{(12)} \\
& - m_{100}^{(21)} m_{010}^{(20)} m_{200}^{(21)} + m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(02)} + m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(20)} - m_{100}^{(21)} m_{010}^{(22)} m_{002}^{(11)} \\
& - m_{100}^{(22)} m_{010}^{(10)} m_{200}^{(21)} + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(01)} + m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(20)} - m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} \\
& - (m_{010}^{(00)})^2 m_{011}^{(22)} + (m_{010}^{(00)})^2 m_{002}^{(12)} + m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(20)} - m_{010}^{(00)} m_{010}^{(02)} m_{002}^{(10)} \\
& + m_{010}^{(00)} m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(10)} m_{002}^{(02)} + m_{010}^{(00)} m_{010}^{(20)} m_{110}^{(22)} - 2m_{010}^{(00)} m_{010}^{(20)} m_{101}^{(12)} \\
& + m_{010}^{(00)} m_{010}^{(20)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(10)} + m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(00)} + m_{010}^{(00)} m_{001}^{(00)} m_{020}^{(22)} \\
& - m_{010}^{(00)} m_{001}^{(00)} m_{011}^{(12)} + m_{010}^{(00)} m_{001}^{(00)} m_{011}^{(01)} - m_{010}^{(00)} m_{001}^{(00)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(00)} m_{011}^{(00)} \\
& + m_{010}^{(00)} m_{001}^{(10)} m_{002}^{(02)} - m_{010}^{(00)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(10)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(10)} m_{110}^{(10)} \\
& - m_{010}^{(00)} m_{001}^{(20)} m_{110}^{(21)} + m_{010}^{(00)} m_{001}^{(20)} m_{101}^{(02)} - m_{010}^{(00)} m_{001}^{(20)} m_{020}^{(02)} + m_{010}^{(00)} m_{001}^{(20)} m_{110}^{(10)} \\
& - m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(01)} - m_{010}^{(02)} m_{010}^{(10)} m_{201}^{(20)} + m_{010}^{(02)} m_{010}^{(10)} m_{002}^{(10)} + m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(00)} \\
& - m_{010}^{(02)} m_{010}^{(20)} m_{001}^{(00)} - m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(20)} + m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(10)} + m_{010}^{(02)} m_{001}^{(00)} m_{110}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(00)} - m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(00)} - m_{010}^{(10)} m_{010}^{(20)} m_{200}^{(22)} \\
& + m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(20)} - m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{110}^{(22)} \\
& + m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(12)} - m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(21)} + m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(01)} + m_{010}^{(10)} m_{001}^{(01)} m_{101}^{(20)} \\
& - m_{010}^{(10)} m_{001}^{(01)} m_{002}^{(00)} + m_{010}^{(10)} m_{001}^{(10)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(20)} m_{200}^{(20)} \\
& + m_{010}^{(10)} m_{001}^{(20)} m_{200}^{(21)} + m_{010}^{(10)} m_{001}^{(20)} m_{110}^{(02)} - m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(01)} - m_{010}^{(10)} m_{001}^{(21)} m_{200}^{(20)} \\
& + m_{010}^{(10)} m_{001}^{(21)} m_{101}^{(00)} + m_{010}^{(12)} m_{001}^{(00)} m_{200}^{(20)} - m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(20)} \\
& + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(00)} + m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(20)} - m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(00)} + (m_{010}^{(20)})^2 m_{200}^{(12)} \\
& - (m_{010}^{(20)})^2 m_{110}^{(02)} - m_{010}^{(20)} m_{010}^{(22)} m_{200}^{(10)} + m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(00)} + m_{010}^{(20)} m_{001}^{(00)} m_{101}^{(11)} \\
& - m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(01)} - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(20)} m_{001}^{(01)} m_{011}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{200}^{(11)} \\
& + m_{010}^{(20)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(20)} m_{001}^{(21)} m_{100}^{(10)} - m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(00)} - (m_{001}^{(00)})^2 m_{200}^{(21)} \\
& + (m_{001}^{(00)})^2 m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(01)} m_{020}^{(20)} - m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(10)} + 2m_{001}^{(00)} m_{001}^{(10)} m_{110}^{(21)} \\
& - m_{001}^{(00)} m_{001}^{(10)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(10)} \\
& - m_{001}^{(00)} m_{001}^{(20)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(01)} - m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(00)} \\
& + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(20)} m_{020}^{(00)} - (m_{001}^{(10)})^2 m_{200}^{(21)} + (m_{001}^{(10)})^2 m_{101}^{(01)} \\
& + m_{001}^{(10)} m_{001}^{(20)} m_{200}^{(10)} - m_{001}^{(10)} m_{001}^{(20)} m_{101}^{(00)} + m_{001}^{(10)} m_{001}^{(20)} m_{200}^{(11)} - m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(01)} \\
& - m_{001}^{(11)} m_{001}^{(20)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{33}^{(2)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(21)} - m_{100}^{(01)} m_{100}^{(12)} m_{002}^{(11)} \\
& + m_{100}^{(01)} m_{100}^{(21)} m_{020}^{(22)} - m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(12)} + m_{100}^{(01)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(12)} \\
& - m_{100}^{(01)} m_{010}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{010}^{(11)} m_{002}^{(02)} - m_{100}^{(01)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(01)} m_{010}^{(12)} m_{002}^{(10)} \\
& - m_{100}^{(01)} m_{010}^{(22)} m_{020}^{(20)} + m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(10)} + m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(21)} m_{011}^{(02)} \\
& + m_{100}^{(01)} m_{010}^{(22)} m_{020}^{(20)} - m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(10)} - m_{100}^{(01)} m_{001}^{(01)} m_{020}^{(22)} + m_{100}^{(01)} m_{001}^{(01)} m_{011}^{(12)} \\
& - m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(01)} m_{001}^{(10)} m_{002}^{(11)} + m_{100}^{(01)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(01)} m_{001}^{(11)} m_{011}^{(02)} \\
& + m_{100}^{(01)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(10)} + m_{100}^{(01)} m_{001}^{(20)} m_{020}^{(21)} - m_{100}^{(01)} m_{001}^{(20)} m_{011}^{(11)} \\
& - m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(12)} + m_{100}^{(01)} m_{001}^{(21)} m_{020}^{(02)} - m_{100}^{(01)} m_{001}^{(21)} m_{020}^{(20)} + m_{100}^{(01)} m_{001}^{(21)} m_{011}^{(10)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(01)} m_{002}^{(11)} + m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(21)} - m_{100}^{(02)} m_{010}^{(11)} m_{002}^{(01)} \\
& - m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(01)} + m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(01)} + m_{100}^{(02)} m_{001}^{(01)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(01)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(01)} + m_{100}^{(02)} m_{001}^{(21)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(21)} m_{020}^{(01)} \\
& + (m_{100}^{(11)})^2 m_{101}^{(22)} - (m_{100}^{(11)})^2 m_{002}^{(02)} - m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(21)} + m_{100}^{(11)} m_{100}^{(12)} m_{002}^{(01)} \\
& - m_{100}^{(11)} m_{100}^{(21)} m_{110}^{(22)} - m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(12)} + 2m_{100}^{(11)} m_{100}^{(21)} m_{011}^{(02)} + m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(21)} \\
& - m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(01)} - m_{100}^{(11)} m_{010}^{(10)} m_{200}^{(22)} + m_{100}^{(11)} m_{010}^{(10)} m_{002}^{(02)} + m_{100}^{(11)} m_{010}^{(12)} m_{101}^{(20)} \\
& - m_{100}^{(11)} m_{010}^{(12)} m_{002}^{(00)} + m_{100}^{(11)} m_{010}^{(20)} m_{200}^{(22)} - m_{100}^{(11)} m_{010}^{(20)} m_{011}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{110}^{(20)} \\
& + m_{100}^{(11)} m_{010}^{(22)} m_{011}^{(00)} + m_{100}^{(11)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(12)} + m_{100}^{(11)} m_{001}^{(10)} m_{101}^{(21)} \\
& - m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(01)} - m_{100}^{(11)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(02)} - m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(20)} \\
& + m_{100}^{(11)} m_{001}^{(11)} m_{002}^{(00)} - m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(11)} m_{001}^{(20)} m_{011}^{(01)} + m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(12)} \\
& - m_{100}^{(11)} m_{001}^{(21)} m_{110}^{(02)} + m_{100}^{(11)} m_{001}^{(21)} m_{110}^{(20)} - m_{100}^{(11)} m_{001}^{(21)} m_{011}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(11)} \\
& - m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(01)} - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(20)} \\
& - m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(11)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(01)} + (m_{100}^{(21)})^2 m_{110}^{(12)} \\
& - (m_{100}^{(21)})^2 m_{020}^{(02)} - m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(21)} m_{100}^{(22)} m_{020}^{(01)} - m_{100}^{(21)} m_{010}^{(01)} m_{110}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& +m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(12)} + m_{100}^{(21)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(10)} m_{011}^{(02)} + m_{100}^{(21)} m_{010}^{(11)} m_{200}^{(22)} \\
& - m_{100}^{(21)} m_{010}^{(11)} m_{101}^{(02)} - m_{100}^{(21)} m_{010}^{(12)} m_{101}^{(10)} + m_{100}^{(21)} m_{010}^{(12)} m_{011}^{(00)} - m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(12)} \\
& + m_{100}^{(21)} m_{010}^{(20)} m_{020}^{(02)} - m_{100}^{(21)} m_{010}^{(21)} m_{200}^{(12)} + m_{100}^{(21)} m_{010}^{(21)} m_{110}^{(02)} + m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(10)} \\
& - m_{100}^{(21)} m_{010}^{(22)} m_{020}^{(00)} - m_{100}^{(21)} m_{001}^{(10)} m_{101}^{(11)} + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(01)} + m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(10)} \\
& - m_{100}^{(21)} m_{001}^{(11)} m_{011}^{(00)} + m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(21)} m_{001}^{(20)} m_{020}^{(01)} - m_{100}^{(21)} m_{001}^{(21)} m_{110}^{(10)} \\
& + m_{100}^{(21)} m_{001}^{(21)} m_{020}^{(00)} + m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(21)} - m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(11)} - m_{100}^{(22)} m_{010}^{(11)} m_{200}^{(21)} \\
& + m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(01)} + m_{100}^{(22)} m_{010}^{(21)} m_{200}^{(11)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(01)} - m_{010}^{(00)} m_{010}^{(01)} m_{011}^{(22)} \\
& + m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(12)} + m_{010}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(11)} m_{002}^{(02)} - m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(12)} \\
& + m_{010}^{(00)} m_{010}^{(21)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(01)} m_{020}^{(22)} - m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(11)} m_{110}^{(22)} \\
& + m_{010}^{(00)} m_{001}^{(11)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(21)} m_{110}^{(12)} - m_{010}^{(00)} m_{001}^{(21)} m_{020}^{(02)} + m_{010}^{(01)} m_{010}^{(02)} m_{011}^{(20)} \\
& - m_{010}^{(01)} m_{010}^{(02)} m_{002}^{(10)} + m_{010}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(12)} - m_{010}^{(01)} m_{010}^{(22)} m_{110}^{(20)} \\
& + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(10)} + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(21)} - m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(11)} - m_{010}^{(01)} m_{001}^{(01)} m_{011}^{(20)} \\
& + m_{010}^{(01)} m_{001}^{(10)} m_{002}^{(02)} - m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(21)} + m_{010}^{(01)} m_{001}^{(20)} m_{101}^{(11)} + m_{010}^{(01)} m_{001}^{(21)} m_{110}^{(20)} \\
& - m_{010}^{(01)} m_{001}^{(21)} m_{101}^{(10)} - m_{010}^{(02)} m_{010}^{(11)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(11)} m_{002}^{(00)} + m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(10)} \\
& - m_{010}^{(02)} m_{010}^{(21)} m_{011}^{(00)} - m_{010}^{(02)} m_{001}^{(01)} m_{020}^{(20)} + m_{010}^{(02)} m_{001}^{(01)} m_{011}^{(10)} + m_{010}^{(02)} m_{001}^{(11)} m_{110}^{(20)} \\
& - m_{010}^{(02)} m_{001}^{(11)} m_{011}^{(00)} - m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(21)} m_{020}^{(00)} - m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(22)} \\
& + m_{010}^{(10)} m_{001}^{(01)} m_{101}^{(12)} + m_{010}^{(10)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(11)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(21)} m_{200}^{(12)} \\
& + m_{010}^{(10)} m_{001}^{(21)} m_{110}^{(02)} - m_{010}^{(11)} m_{010}^{(20)} m_{200}^{(22)} + m_{010}^{(11)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(11)} m_{010}^{(22)} m_{200}^{(20)} \\
& - m_{010}^{(11)} m_{010}^{(22)} m_{101}^{(00)} - m_{010}^{(11)} m_{001}^{(00)} m_{101}^{(21)} + m_{010}^{(11)} m_{001}^{(00)} m_{002}^{(11)} + m_{010}^{(11)} m_{001}^{(01)} m_{101}^{(20)} \\
& - m_{010}^{(11)} m_{001}^{(01)} m_{002}^{(20)} + m_{010}^{(11)} m_{001}^{(20)} m_{200}^{(21)} - m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(01)} - m_{010}^{(11)} m_{001}^{(21)} m_{200}^{(20)} \\
& + m_{010}^{(11)} m_{001}^{(21)} m_{101}^{(00)} + m_{010}^{(12)} m_{001}^{(01)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(11)} m_{200}^{(20)} \\
& + m_{010}^{(12)} m_{001}^{(11)} m_{101}^{(00)} + m_{010}^{(12)} m_{001}^{(21)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(21)} m_{110}^{(00)} + m_{010}^{(12)} m_{010}^{(21)} m_{200}^{(12)} \\
& - m_{010}^{(12)} m_{010}^{(21)} m_{110}^{(02)} - m_{010}^{(12)} m_{010}^{(22)} m_{101}^{(10)} + m_{010}^{(12)} m_{010}^{(22)} m_{002}^{(00)} + m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(11)} \\
& - m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(21)} - m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(12)} m_{001}^{(01)} m_{011}^{(00)} - m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(11)} \\
& + m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(12)} m_{001}^{(21)} m_{200}^{(00)} - m_{010}^{(12)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{020}^{(21)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(02)} + m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(01)} + (m_{001}^{(01)})^2 m_{020}^{(20)} - (m_{001}^{(01)})^2 m_{011}^{(10)} + m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(21)} \\
& - m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(11)} - 2m_{001}^{(01)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(10)} + m_{001}^{(01)} m_{001}^{(11)} m_{011}^{(00)} \\
& + m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(21)} m_{020}^{(00)} - m_{001}^{(10)} m_{001}^{(11)} m_{200}^{(21)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(01)} \\
& + m_{001}^{(10)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(01)} + (m_{001}^{(11)})^2 m_{200}^{(20)} - (m_{001}^{(11)})^2 m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

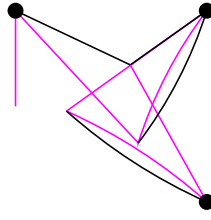
$$\begin{aligned}
P_{33}^{(3)} = & m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{002}^{(12)} - m_{100}^{(01)} m_{010}^{(12)} m_{101}^{(22)} + m_{100}^{(01)} m_{010}^{(12)} m_{002}^{(02)} \\
& + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(02)} m_{020}^{(22)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(12)} \\
& + m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(22)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(12)} + m_{100}^{(01)} m_{001}^{(22)} m_{020}^{(02)} \\
& - m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(02)} m_{100}^{(11)} m_{002}^{(12)} + m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(02)} m_{100}^{(21)} m_{002}^{(11)} \\
& + m_{100}^{(02)} m_{100}^{(21)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(02)} m_{100}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(02)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(02)} m_{002}^{(11)} + m_{100}^{(02)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(02)} m_{010}^{(10)} m_{002}^{(12)} \\
& + m_{100}^{(02)} m_{010}^{(12)} m_{101}^{(21)} - m_{100}^{(02)} m_{010}^{(12)} m_{020}^{(20)} - m_{100}^{(02)} m_{010}^{(12)} m_{002}^{(01)} + m_{100}^{(02)} m_{010}^{(12)} m_{002}^{(10)} \\
& - m_{100}^{(02)} m_{010}^{(20)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(12)} - m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(11)} + m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& +m_{100}^{(02)} m_{010}^{(22)} m_{011}^{(01)} - m_{100}^{(02)} m_{010}^{(22)} m_{011}^{(10)} + m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(02)} m_{011}^{(11)} \\
& -m_{100}^{(02)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(02)} m_{001}^{(10)} m_{002}^{(11)} + m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(02)} m_{001}^{(11)} m_{002}^{(10)} \\
& -m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(12)} m_{011}^{(01)} + m_{100}^{(02)} m_{001}^{(20)} m_{020}^{(21)} - m_{100}^{(02)} m_{001}^{(20)} m_{011}^{(11)} \\
& -m_{100}^{(02)} m_{001}^{(21)} m_{020}^{(20)} + m_{100}^{(02)} m_{001}^{(21)} m_{011}^{(10)} + m_{100}^{(02)} m_{001}^{(22)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(22)} m_{020}^{(01)} \\
& +m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(22)} - m_{100}^{(11)} m_{100}^{(12)} m_{002}^{(02)} - m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(02)} \\
& +m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(12)} - m_{100}^{(11)} m_{001}^{(12)} m_{200}^{(22)} + m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(02)} \\
& +m_{100}^{(11)} m_{001}^{(22)} m_{200}^{(12)} - m_{100}^{(11)} m_{001}^{(22)} m_{110}^{(02)} - (m_{100}^{(12)})^2 m_{101}^{(21)} + (m_{100}^{(12)})^2 m_{002}^{(01)} \\
& -m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(22)} + m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(02)} + m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(21)} + m_{100}^{(12)} m_{100}^{(22)} m_{101}^{(11)} \\
& -2m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(01)} - m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(12)} m_{010}^{(10)} m_{002}^{(02)} + m_{100}^{(12)} m_{010}^{(12)} m_{101}^{(20)} \\
& -m_{100}^{(12)} m_{010}^{(12)} m_{002}^{(00)} + m_{100}^{(12)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(02)} - m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(20)} \\
& +m_{100}^{(12)} m_{010}^{(22)} m_{011}^{(00)} - m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(02)} m_{101}^{(11)} + m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(21)} \\
& -m_{100}^{(12)} m_{001}^{(10)} m_{002}^{(11)} - m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(12)} m_{001}^{(11)} m_{002}^{(02)} + m_{100}^{(12)} m_{001}^{(12)} m_{200}^{(21)} \\
& -m_{100}^{(12)} m_{001}^{(12)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(20)} m_{011}^{(01)} + m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(20)} \\
& -m_{100}^{(12)} m_{001}^{(21)} m_{011}^{(00)} - m_{100}^{(12)} m_{001}^{(22)} m_{110}^{(11)} + m_{100}^{(12)} m_{001}^{(22)} m_{110}^{(01)} + m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(12)} \\
& -m_{100}^{(12)} m_{100}^{(22)} m_{020}^{(02)} - m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(22)} + m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(12)} + m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(22)} \\
& -m_{100}^{(12)} m_{010}^{(12)} m_{101}^{(02)} - m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(12)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(02)} - (m_{100}^{(22)})^2 m_{110}^{(11)} \\
& + (m_{100}^{(22)})^2 m_{020}^{(01)} + m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(21)} - m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(12)} \\
& -m_{100}^{(22)} m_{010}^{(10)} m_{011}^{(02)} - m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(21)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(01)} - m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} \\
& +m_{100}^{(22)} m_{010}^{(12)} m_{011}^{(00)} - m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(12)} + m_{100}^{(22)} m_{010}^{(20)} m_{020}^{(02)} + m_{100}^{(22)} m_{010}^{(22)} m_{200}^{(11)} \\
& -m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(01)} + m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(22)} m_{020}^{(00)} - m_{100}^{(22)} m_{001}^{(10)} m_{101}^{(11)} \\
& +m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(01)} + m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} - m_{100}^{(22)} m_{001}^{(11)} m_{011}^{(00)} + m_{100}^{(22)} m_{001}^{(20)} m_{110}^{(11)} \\
& -m_{100}^{(22)} m_{001}^{(20)} m_{011}^{(01)} - m_{100}^{(22)} m_{001}^{(21)} m_{110}^{(10)} + m_{100}^{(22)} m_{001}^{(21)} m_{020}^{(00)} - m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(22)} \\
& +m_{010}^{(00)} m_{010}^{(02)} m_{002}^{(12)} + m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{002}^{(02)} - m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(12)} \\
& +m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(02)} m_{020}^{(22)} - m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} \\
& +m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{001}^{(22)} m_{020}^{(02)} + (m_{010}^{(02)})^2 m_{011}^{(20)} \\
& - (m_{010}^{(02)})^2 m_{002}^{(10)} - m_{010}^{(02)} m_{010}^{(12)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(12)} m_{002}^{(00)} + m_{010}^{(02)} m_{010}^{(20)} m_{110}^{(22)} \\
& -m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(12)} - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(20)} + 2m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(10)} - m_{010}^{(02)} m_{010}^{(22)} m_{011}^{(00)} \\
& +m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(21)} - m_{010}^{(02)} m_{001}^{(00)} m_{002}^{(11)} - m_{010}^{(02)} m_{001}^{(01)} m_{011}^{(20)} + m_{010}^{(02)} m_{001}^{(01)} m_{002}^{(10)} \\
& -m_{010}^{(02)} m_{001}^{(02)} m_{020}^{(20)} + m_{010}^{(02)} m_{001}^{(02)} m_{011}^{(10)} + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(20)} - m_{010}^{(02)} m_{001}^{(12)} m_{011}^{(00)} \\
& -m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(21)} + m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(11)} + m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(20)} - m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(10)} \\
& -m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{020}^{(00)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{101}^{(12)} \\
& +m_{010}^{(10)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(02)} \\
& -m_{010}^{(12)} m_{010}^{(20)} m_{200}^{(22)} + m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(12)} m_{010}^{(22)} m_{200}^{(20)} - m_{010}^{(12)} m_{010}^{(22)} m_{101}^{(00)} \\
& -m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(21)} + m_{010}^{(12)} m_{001}^{(01)} m_{002}^{(12)} + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(20)} - m_{010}^{(12)} m_{001}^{(10)} m_{002}^{(00)} \\
& +m_{010}^{(12)} m_{001}^{(12)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(12)} m_{101}^{(01)} - m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(12)} m_{101}^{(00)} \\
& +m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(21)} - m_{010}^{(12)} m_{001}^{(20)} m_{101}^{(01)} - m_{010}^{(12)} m_{001}^{(21)} m_{200}^{(20)} + m_{010}^{(12)} m_{001}^{(21)} m_{101}^{(00)} \\
& +m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(22)} m_{101}^{(00)} - m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(12)} m_{001}^{(22)} m_{101}^{(02)} \\
& +m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(00)} - m_{010}^{(12)} m_{001}^{(22)} m_{110}^{(00)} + m_{010}^{(12)} m_{010}^{(22)} m_{200}^{(12)} - m_{010}^{(12)} m_{010}^{(22)} m_{110}^{(02)} \\
& - (m_{010}^{(22)})^2 m_{200}^{(10)} + (m_{010}^{(22)})^2 m_{110}^{(00)} + m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(22)} m_{001}^{(01)} m_{011}^{(00)} - m_{010}^{(22)} m_{001}^{(20)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(20)} m_{110}^{(01)} \\
& + m_{010}^{(22)} m_{001}^{(21)} m_{200}^{(10)} - m_{010}^{(22)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(21)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(22)} m_{020}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(02)} m_{020}^{(20)} - m_{001}^{(01)} m_{001}^{(02)} m_{011}^{(10)} - m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{001}^{(01)} m_{001}^{(22)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(22)} m_{020}^{(00)} + m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(21)} - m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(11)} \\
& - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} - m_{001}^{(10)} m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(10)} m_{001}^{(12)} m_{101}^{(01)} \\
& + m_{001}^{(10)} m_{001}^{(22)} m_{200}^{(11)} - m_{001}^{(10)} m_{001}^{(22)} m_{110}^{(01)} + m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(20)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(22)} m_{200}^{(10)} + m_{001}^{(11)} m_{001}^{(22)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
V2 & 2 & V3 & A0 \\
& 2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{34}^{(1)} = & -2m_{100}^{(00)} m_{010}^{(10)} m_{011}^{(22)} + 2m_{100}^{(00)} m_{010}^{(10)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(11)} m_{101}^{(22)} - m_{100}^{(00)} m_{010}^{(11)} m_{002}^{(20)} \\
& - m_{100}^{(00)} m_{010}^{(12)} m_{101}^{(21)} + m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + 2m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} - 2m_{100}^{(00)} m_{010}^{(20)} m_{002}^{(11)} \\
& - m_{100}^{(00)} m_{010}^{(21)} m_{101}^{(12)} + m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(10)} + m_{100}^{(00)} m_{010}^{(22)} m_{101}^{(11)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& + 2m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - 2m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} - m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} \\
& + m_{100}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(20)} - 2m_{100}^{(00)} m_{001}^{(20)} m_{020}^{(12)} + 2m_{100}^{(00)} m_{001}^{(20)} m_{011}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(20)} - m_{100}^{(00)} m_{001}^{(21)} m_{101}^{(10)} - m_{100}^{(00)} m_{001}^{(22)} m_{110}^{(11)} + m_{100}^{(00)} m_{001}^{(22)} m_{020}^{(10)} \\
& + m_{100}^{(01)} m_{010}^{(10)} m_{101}^{(22)} - m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(20)} - m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(12)} + m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(10)} \\
& - m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(01)} m_{001}^{(20)} m_{110}^{(12)} - m_{100}^{(01)} m_{001}^{(20)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(10)} m_{101}^{(21)} + m_{100}^{(02)} m_{010}^{(10)} m_{011}^{(20)} + m_{100}^{(02)} m_{010}^{(20)} m_{101}^{(11)} - m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(10)} \\
& + m_{100}^{(02)} m_{001}^{(10)} m_{110}^{(21)} - m_{100}^{(02)} m_{001}^{(10)} m_{020}^{(20)} - m_{100}^{(02)} m_{001}^{(20)} m_{110}^{(11)} + m_{100}^{(02)} m_{001}^{(20)} m_{020}^{(10)} \\
& + 2m_{100}^{(10)} m_{010}^{(00)} m_{011}^{(22)} - 2m_{100}^{(10)} m_{010}^{(00)} m_{002}^{(21)} - m_{100}^{(10)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(01)} m_{002}^{(20)} \\
& + m_{100}^{(10)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(20)} - 2m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(12)} + 2m_{100}^{(10)} m_{010}^{(20)} m_{002}^{(11)} \\
& + m_{100}^{(10)} m_{010}^{(21)} m_{101}^{(12)} - m_{100}^{(10)} m_{010}^{(21)} m_{002}^{(10)} - m_{100}^{(10)} m_{010}^{(22)} m_{101}^{(11)} + m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(10)} \\
& - 2m_{100}^{(10)} m_{001}^{(00)} m_{020}^{(22)} + 2m_{100}^{(10)} m_{001}^{(00)} m_{011}^{(21)} + m_{100}^{(10)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(20)} \\
& - m_{100}^{(10)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(02)} m_{020}^{(20)} + 2m_{100}^{(10)} m_{001}^{(20)} m_{020}^{(12)} - 2m_{100}^{(10)} m_{001}^{(20)} m_{011}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(02)} + m_{100}^{(10)} m_{001}^{(21)} m_{011}^{(00)} + m_{100}^{(10)} m_{001}^{(22)} m_{110}^{(01)} - m_{100}^{(10)} m_{001}^{(22)} m_{020}^{(00)} \\
& -m_{100}^{(11)} m_{010}^{(00)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(20)} + m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(00)} \\
& + m_{100}^{(11)} m_{001}^{(00)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(02)} + m_{100}^{(11)} m_{001}^{(20)} m_{011}^{(00)} \\
& + m_{100}^{(12)} m_{010}^{(00)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(01)} + m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(20)} + m_{100}^{(12)} m_{001}^{(20)} m_{110}^{(01)} - m_{100}^{(12)} m_{001}^{(20)} m_{020}^{(00)} \\
& - 2m_{100}^{(20)} m_{010}^{(00)} m_{011}^{(12)} + 2m_{100}^{(20)} m_{010}^{(00)} m_{002}^{(11)} + m_{100}^{(20)} m_{010}^{(01)} m_{101}^{(12)} - m_{100}^{(20)} m_{010}^{(01)} m_{002}^{(10)} \\
& - m_{100}^{(20)} m_{010}^{(02)} m_{101}^{(11)} + m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(10)} + 2m_{100}^{(20)} m_{010}^{(10)} m_{011}^{(02)} - 2m_{100}^{(20)} m_{010}^{(10)} m_{002}^{(01)} \\
& - m_{100}^{(20)} m_{010}^{(11)} m_{101}^{(02)} + m_{100}^{(20)} m_{010}^{(11)} m_{002}^{(00)} + m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(01)} - m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(00)} \\
& + 2m_{100}^{(20)} m_{001}^{(00)} m_{020}^{(12)} - 2m_{100}^{(20)} m_{001}^{(00)} m_{011}^{(11)} - m_{100}^{(20)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(20)} m_{001}^{(01)} m_{011}^{(10)} \\
& + m_{100}^{(20)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(10)} - 2m_{100}^{(20)} m_{001}^{(10)} m_{020}^{(02)} + 2m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(01)} \\
& + m_{100}^{(20)} m_{001}^{(11)} m_{110}^{(02)} - m_{100}^{(20)} m_{001}^{(11)} m_{011}^{(00)} - m_{100}^{(20)} m_{001}^{(12)} m_{110}^{(01)} + m_{100}^{(20)} m_{001}^{(12)} m_{020}^{(00)} \\
& + m_{100}^{(21)} m_{010}^{(00)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(10)} - m_{100}^{(21)} m_{010}^{(10)} m_{101}^{(02)} + m_{100}^{(21)} m_{010}^{(10)} m_{002}^{(01)} \\
& - m_{100}^{(21)} m_{001}^{(00)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(00)} \\
& - m_{100}^{(22)} m_{010}^{(00)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(01)} - m_{100}^{(22)} m_{010}^{(10)} m_{011}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(00)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(10)} - m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(00)} \\
& - 2m_{010}^{(00)} m_{001}^{(10)} m_{110}^{(22)} + 2m_{010}^{(00)} m_{001}^{(10)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(20)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{200}^{(21)} + m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(20)} + 2m_{010}^{(00)} m_{001}^{(20)} m_{110}^{(12)} - 2m_{010}^{(00)} m_{001}^{(20)} m_{101}^{(11)} \\
& - m_{010}^{(00)} m_{001}^{(21)} m_{200}^{(12)} + m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(10)} + m_{010}^{(00)} m_{001}^{(22)} m_{200}^{(11)} - m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(10)} \\
& + m_{010}^{(01)} m_{001}^{(10)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(10)} m_{101}^{(20)} - m_{010}^{(01)} m_{001}^{(20)} m_{200}^{(12)} + m_{010}^{(01)} m_{001}^{(20)} m_{101}^{(10)} \\
& - m_{010}^{(02)} m_{001}^{(10)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(20)} + m_{010}^{(02)} m_{001}^{(20)} m_{200}^{(11)} - m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(10)} \\
& + 2m_{010}^{(10)} m_{001}^{(00)} m_{110}^{(22)} - 2m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(21)} - m_{010}^{(10)} m_{001}^{(01)} m_{200}^{(22)} + m_{010}^{(10)} m_{001}^{(01)} m_{101}^{(20)} \\
& + m_{010}^{(10)} m_{001}^{(02)} m_{200}^{(21)} - m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(20)} - 2m_{010}^{(10)} m_{001}^{(20)} m_{110}^{(12)} + 2m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(11)} \\
& + m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(10)} - m_{010}^{(10)} m_{001}^{(22)} m_{101}^{(09)} - m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(01)} + m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(11)} m_{001}^{(00)} m_{200}^{(22)} + m_{010}^{(11)} m_{001}^{(00)} m_{101}^{(20)} + m_{010}^{(11)} m_{001}^{(20)} m_{200}^{(12)} - m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(10)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{200}^{(21)} - m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(11)} + m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(00)} \\
& - 2m_{010}^{(20)} m_{001}^{(00)} m_{110}^{(12)} + 2m_{010}^{(20)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(01)} m_{200}^{(12)} - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(10)} \\
& - m_{010}^{(20)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(10)} + 2m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(02)} - 2m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(01)} \\
& - m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(01)} + m_{010}^{(20)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(20)} m_{001}^{(12)} m_{110}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(00)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(10)} - m_{010}^{(21)} m_{001}^{(10)} m_{200}^{(02)} + m_{010}^{(21)} m_{001}^{(10)} m_{101}^{(01)} \\
& - m_{010}^{(22)} m_{001}^{(00)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(10)} + m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(00)}
\end{aligned}$$

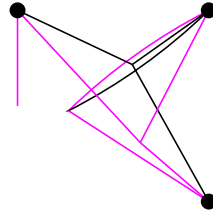
$$\begin{aligned}
P_{34}^{(2)} = & -m_{100}^{(00)} m_{010}^{(11)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(11)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(21)} m_{011}^{(12)} - m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(11)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(21)} - m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(12)} + m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(11)} \\
& - m_{100}^{(01)} m_{010}^{(10)} m_{011}^{(22)} + m_{100}^{(01)} m_{010}^{(10)} m_{002}^{(21)} + 2m_{100}^{(01)} m_{010}^{(11)} m_{101}^{(22)} - 2m_{100}^{(01)} m_{010}^{(11)} m_{002}^{(10)} \\
& - m_{100}^{(01)} m_{010}^{(12)} m_{101}^{(21)} + m_{100}^{(01)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(01)} m_{010}^{(20)} m_{110}^{(12)} - m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(11)} \\
& - 2m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(12)} + 2m_{100}^{(01)} m_{010}^{(21)} m_{002}^{(10)} + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(11)} - m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(21)} - 2m_{100}^{(01)} m_{001}^{(11)} m_{110}^{(22)} + 2m_{100}^{(01)} m_{001}^{(11)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(01)} m_{001}^{(12)} m_{020}^{(20)} - m_{100}^{(01)} m_{001}^{(20)} m_{020}^{(12)} + m_{100}^{(01)} m_{001}^{(20)} m_{011}^{(11)} \\
& + 2m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(12)} - 2m_{100}^{(01)} m_{001}^{(21)} m_{011}^{(10)} - m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(11)} + m_{100}^{(01)} m_{001}^{(22)} m_{020}^{(10)} \\
& - m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(21)} + m_{100}^{(02)} m_{010}^{(11)} m_{011}^{(20)} + m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(11)} - m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(20)} + m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(12)} - m_{100}^{(01)} m_{001}^{(22)} m_{011}^{(10)} \\
& -m_{100}^{(02)} m_{010}^{(10)} m_{011}^{(22)} + m_{100}^{(02)} m_{010}^{(10)} m_{002}^{(21)} + m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(22)} - m_{100}^{(02)} m_{010}^{(11)} m_{002}^{(20)} \\
& -2m_{100}^{(02)} m_{010}^{(12)} m_{101}^{(21)} + 2m_{100}^{(02)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(12)} - m_{100}^{(02)} m_{010}^{(20)} m_{002}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(12)} + m_{100}^{(02)} m_{010}^{(21)} m_{002}^{(10)} + 2m_{100}^{(02)} m_{010}^{(22)} m_{101}^{(11)} - 2m_{100}^{(02)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(02)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(02)} m_{001}^{(10)} m_{011}^{(21)} - m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(22)} + m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(20)} \\
& + 2m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(21)} - 2m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(20)} - m_{100}^{(02)} m_{001}^{(20)} m_{020}^{(12)} + m_{100}^{(02)} m_{001}^{(20)} m_{011}^{(11)} \\
& + m_{100}^{(02)} m_{001}^{(21)} m_{110}^{(12)} - m_{100}^{(02)} m_{001}^{(21)} m_{011}^{(10)} - 2m_{100}^{(02)} m_{001}^{(22)} m_{110}^{(11)} + 2m_{100}^{(02)} m_{001}^{(22)} m_{020}^{(10)} \\
& + m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(02)} m_{002}^{(21)} - m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(02)} + m_{100}^{(10)} m_{010}^{(22)} m_{002}^{(01)} \\
& - m_{100}^{(10)} m_{001}^{(02)} m_{020}^{(22)} + m_{100}^{(10)} m_{001}^{(02)} m_{011}^{(21)} + m_{100}^{(10)} m_{001}^{(22)} m_{020}^{(02)} - m_{100}^{(10)} m_{001}^{(22)} m_{011}^{(01)} \\
& - m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{002}^{(20)} + m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{002}^{(00)} \\
& + m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(02)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(22)} m_{110}^{(02)} + m_{100}^{(11)} m_{001}^{(22)} m_{011}^{(00)} \\
& + m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(12)} m_{010}^{(00)} m_{002}^{(21)} - m_{100}^{(12)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(12)} m_{010}^{(01)} m_{002}^{(20)} \\
& + 2m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(21)} - 2m_{100}^{(12)} m_{010}^{(02)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(12)} m_{010}^{(20)} m_{002}^{(01)} \\
& + m_{100}^{(12)} m_{010}^{(21)} m_{101}^{(02)} - m_{100}^{(12)} m_{010}^{(21)} m_{002}^{(00)} - 2m_{100}^{(12)} m_{010}^{(22)} m_{101}^{(01)} + 2m_{100}^{(12)} m_{010}^{(22)} m_{002}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(21)} + m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(20)} \\
& - 2m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(21)} + 2m_{100}^{(12)} m_{001}^{(02)} m_{020}^{(20)} + m_{100}^{(12)} m_{001}^{(20)} m_{020}^{(02)} - m_{100}^{(12)} m_{001}^{(20)} m_{011}^{(01)} \\
& - m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(02)} + m_{100}^{(12)} m_{001}^{(21)} m_{011}^{(00)} + 2m_{100}^{(12)} m_{001}^{(22)} m_{110}^{(01)} - 2m_{100}^{(12)} m_{001}^{(22)} m_{020}^{(00)} \\
& - m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(22)} + m_{100}^{(20)} m_{010}^{(02)} m_{002}^{(11)} + m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(02)} - m_{100}^{(20)} m_{010}^{(12)} m_{002}^{(01)} \\
& + m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(12)} - m_{100}^{(20)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(20)} m_{001}^{(12)} m_{020}^{(02)} + m_{100}^{(20)} m_{001}^{(12)} m_{011}^{(01)} \\
& + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(02)} m_{002}^{(10)} - m_{100}^{(21)} m_{010}^{(12)} m_{101}^{(02)} + m_{100}^{(21)} m_{010}^{(12)} m_{002}^{(00)} \\
& - m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(02)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(12)} m_{011}^{(00)} \\
& - m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(22)} m_{010}^{(00)} m_{002}^{(11)} + m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(12)} - m_{100}^{(22)} m_{010}^{(01)} m_{002}^{(10)} \\
& - 2m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)} + 2m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(10)} m_{011}^{(02)} - m_{100}^{(22)} m_{010}^{(10)} m_{002}^{(01)} \\
& - m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(02)} + m_{100}^{(22)} m_{010}^{(11)} m_{002}^{(00)} + 2m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(01)} - 2m_{100}^{(22)} m_{010}^{(12)} m_{011}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(12)} - m_{100}^{(22)} m_{001}^{(00)} m_{011}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(10)} \\
& + 2m_{100}^{(22)} m_{001}^{(02)} m_{110}^{(11)} - 2m_{100}^{(22)} m_{001}^{(02)} m_{020}^{(10)} - m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(02)} + m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(01)} \\
& + m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(02)} - m_{100}^{(22)} m_{001}^{(11)} m_{011}^{(00)} - 2m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(01)} + 2m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(00)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{001}^{(22)} m_{101}^{(11)} \\
& + m_{010}^{(01)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(20)} - m_{010}^{(01)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(01)} m_{001}^{(22)} m_{101}^{(10)} \\
& - m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(21)} + m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(20)} \\
& - 2m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(21)} + 2m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(20)} + m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(12)} - m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(11)} \\
& - m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(12)} + m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(10)} + 2m_{010}^{(02)} m_{001}^{(22)} m_{200}^{(11)} - 2m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} - m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(21)} - m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(02)} + m_{010}^{(10)} m_{001}^{(22)} m_{101}^{(01)} \\
& - m_{010}^{(11)} m_{001}^{(02)} m_{200}^{(22)} + m_{010}^{(11)} m_{001}^{(02)} m_{101}^{(20)} + m_{010}^{(11)} m_{001}^{(22)} m_{200}^{(02)} - m_{010}^{(11)} m_{001}^{(22)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(22)} - m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(21)} - m_{010}^{(12)} m_{001}^{(01)} m_{200}^{(22)} + m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(20)} \\
& + 2m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(21)} - 2m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(02)} + m_{010}^{(12)} m_{001}^{(20)} m_{101}^{(01)} \\
& + m_{010}^{(12)} m_{001}^{(21)} m_{200}^{(02)} - m_{010}^{(12)} m_{001}^{(21)} m_{101}^{(00)} - 2m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(01)} + 2m_{010}^{(12)} m_{001}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(12)} + m_{010}^{(20)} m_{001}^{(02)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(12)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(12)} m_{101}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& +m_{010}^{(21)} m_{001}^{(02)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(02)} m_{101}^{(10)} - m_{010}^{(21)} m_{001}^{(12)} m_{200}^{(02)} + m_{010}^{(21)} m_{001}^{(12)} m_{101}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(12)} + m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(12)} - m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} \\
& -2m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} + 2m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} + m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(01)} \\
& -m_{010}^{(22)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(00)} + 2m_{010}^{(22)} m_{001}^{(12)} m_{200}^{(01)} - 2m_{010}^{(22)} m_{001}^{(12)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V2	V1
V2	2	2	A0
V3	3	V3	A0



$$\begin{aligned}
P_{35}^{(1)} = & m_{100}^{(00)} m_{010}^{(12)} m_{110}^{(22)} - m_{100}^{(00)} m_{010}^{(12)} m_{101}^{(21)} - m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{101}^{(11)} \\
& -m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} + m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(21)} + m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(12)} - m_{100}^{(00)} m_{001}^{(21)} m_{101}^{(11)} \\
& -m_{100}^{(01)} m_{100}^{(12)} m_{110}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{101}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(11)} \\
& +m_{100}^{(01)} m_{001}^{(11)} m_{200}^{(22)} - m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(20)} - m_{100}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(20)} \\
& -m_{100}^{(01)} m_{001}^{(21)} m_{200}^{(12)} + m_{100}^{(01)} m_{001}^{(21)} m_{101}^{(10)} + m_{100}^{(01)} m_{001}^{(22)} m_{200}^{(11)} - m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(10)} \\
& +m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)} - m_{100}^{(02)} m_{100}^{(11)} m_{101}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{110}^{(12)} + m_{100}^{(02)} m_{100}^{(21)} m_{101}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(11)} m_{200}^{(22)} + m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(20)} + m_{100}^{(02)} m_{010}^{(12)} m_{200}^{(21)} - m_{100}^{(02)} m_{010}^{(12)} m_{110}^{(20)} \\
& +m_{100}^{(02)} m_{010}^{(21)} m_{200}^{(12)} - m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(10)} - m_{100}^{(02)} m_{010}^{(22)} m_{200}^{(11)} + m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(10)} \\
& -m_{100}^{(10)} m_{010}^{(02)} m_{110}^{(22)} + m_{100}^{(10)} m_{010}^{(02)} m_{101}^{(21)} + m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(02)} - m_{100}^{(10)} m_{010}^{(22)} m_{101}^{(01)} \\
& +m_{100}^{(10)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(01)} m_{101}^{(21)} - m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(02)} + m_{100}^{(10)} m_{001}^{(21)} m_{101}^{(01)} \\
& -m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(02)} + m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(01)} - m_{100}^{(11)} m_{001}^{(01)} m_{200}^{(22)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(20)} \\
& +m_{100}^{(11)} m_{001}^{(02)} m_{200}^{(21)} - m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(20)} + m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(02)} - m_{100}^{(11)} m_{001}^{(21)} m_{101}^{(00)} \\
& -m_{100}^{(11)} m_{001}^{(22)} m_{200}^{(01)} + m_{100}^{(11)} m_{001}^{(22)} m_{110}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(02)} - m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(01)} \\
& +m_{100}^{(12)} m_{010}^{(01)} m_{200}^{(22)} - m_{100}^{(12)} m_{010}^{(01)} m_{101}^{(20)} - m_{100}^{(12)} m_{010}^{(02)} m_{200}^{(21)} + m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(20)} \\
& -m_{100}^{(12)} m_{010}^{(21)} m_{200}^{(02)} + m_{100}^{(12)} m_{010}^{(21)} m_{101}^{(00)} + m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(01)} - m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(00)} \\
& +m_{100}^{(20)} m_{010}^{(02)} m_{110}^{(12)} - m_{100}^{(20)} m_{010}^{(02)} m_{101}^{(11)} - m_{100}^{(20)} m_{010}^{(12)} m_{110}^{(02)} + m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(01)} \\
& -m_{100}^{(20)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(20)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(20)} m_{001}^{(11)} m_{110}^{(02)} - m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(01)} \\
& +m_{100}^{(21)} m_{001}^{(01)} m_{200}^{(12)} - m_{100}^{(21)} m_{001}^{(01)} m_{101}^{(10)} - m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(11)} + m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(00)} \\
& -m_{100}^{(21)} m_{001}^{(11)} m_{200}^{(02)} + m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(00)} + m_{100}^{(21)} m_{001}^{(12)} m_{200}^{(01)} - m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(00)}
\end{aligned}$$

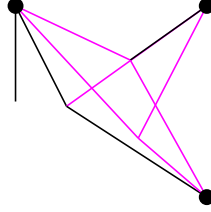
$$\begin{aligned}
& -m_{100}^{(22)} m_{010}^{(01)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(10)} + m_{100}^{(22)} m_{010}^{(02)} m_{200}^{(11)} - m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(10)} \\
& + m_{100}^{(22)} m_{010}^{(11)} m_{200}^{(02)} - m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(00)} - m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(01)} + m_{100}^{(22)} m_{010}^{(12)} m_{110}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(12)} m_{200}^{(22)} + m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(20)} + m_{010}^{(00)} m_{010}^{(22)} m_{200}^{(12)} - m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(10)} \\
& + m_{010}^{(00)} m_{001}^{(10)} m_{110}^{(22)} - m_{010}^{(00)} m_{001}^{(10)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(12)} m_{200}^{(21)} - m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(20)} \\
& - m_{010}^{(00)} m_{001}^{(20)} m_{110}^{(12)} + m_{010}^{(00)} m_{001}^{(20)} m_{101}^{(11)} - m_{010}^{(00)} m_{001}^{(22)} m_{200}^{(11)} + m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(10)} \\
& - m_{010}^{(01)} m_{001}^{(10)} m_{200}^{(22)} + m_{010}^{(01)} m_{001}^{(10)} m_{101}^{(20)} + m_{010}^{(01)} m_{001}^{(20)} m_{200}^{(12)} - m_{010}^{(01)} m_{001}^{(20)} m_{101}^{(10)} \\
& + m_{010}^{(02)} m_{010}^{(10)} m_{200}^{(22)} - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(20)} - m_{010}^{(02)} m_{010}^{(20)} m_{200}^{(12)} + m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(10)} \\
& - m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(02)} + m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{110}^{(22)} + m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(21)} \\
& - m_{010}^{(10)} m_{001}^{(02)} m_{200}^{(21)} + m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(20)} + m_{010}^{(10)} m_{001}^{(20)} m_{110}^{(02)} - m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(01)} \\
& + m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(01)} - m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(00)} + m_{010}^{(11)} m_{001}^{(00)} m_{200}^{(22)} - m_{010}^{(11)} m_{001}^{(00)} m_{101}^{(20)} \\
& - m_{010}^{(11)} m_{001}^{(20)} m_{200}^{(02)} + m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(00)} + m_{010}^{(12)} m_{010}^{(20)} m_{200}^{(02)} - m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(00)} \\
& + m_{010}^{(20)} m_{001}^{(00)} m_{110}^{(12)} - m_{010}^{(20)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(11)} - m_{010}^{(20)} m_{001}^{(02)} m_{101}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(02)} + m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(01)} - m_{010}^{(20)} m_{001}^{(12)} m_{200}^{(01)} + m_{010}^{(20)} m_{001}^{(12)} m_{110}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{200}^{(12)} + m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(10)} + m_{010}^{(21)} m_{001}^{(10)} m_{200}^{(02)} - m_{010}^{(21)} m_{001}^{(10)} m_{101}^{(00)} \\
& - m_{001}^{(00)} m_{001}^{(11)} m_{200}^{(21)} + m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(20)} + m_{001}^{(00)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(10)} \\
& + m_{001}^{(01)} m_{001}^{(10)} m_{200}^{(21)} - m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(20)} - m_{001}^{(01)} m_{001}^{(20)} m_{200}^{(11)} + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(10)} \\
& - m_{001}^{(10)} m_{001}^{(21)} m_{200}^{(01)} + m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(00)} + m_{001}^{(11)} m_{001}^{(20)} m_{200}^{(01)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{35}^{(2)} = & m_{100}^{(00)} m_{010}^{(12)} m_{020}^{(22)} - m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(21)} - m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(00)} m_{001}^{(11)} m_{020}^{(22)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(12)} - m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(11)} \\
& - m_{100}^{(01)} m_{100}^{(12)} m_{020}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(01)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(21)} + m_{100}^{(01)} m_{001}^{(12)} m_{020}^{(20)} \\
& - m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(12)} + m_{100}^{(01)} m_{001}^{(21)} m_{011}^{(10)} + m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(11)} - m_{100}^{(01)} m_{001}^{(22)} m_{020}^{(10)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{020}^{(12)} + m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)} + m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(20)} + m_{100}^{(02)} m_{010}^{(12)} m_{110}^{(21)} - m_{100}^{(02)} m_{010}^{(12)} m_{020}^{(20)} \\
& + m_{100}^{(02)} m_{010}^{(21)} m_{110}^{(12)} - m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(10)} - m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(11)} + m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(10)} \\
& - m_{100}^{(10)} m_{010}^{(02)} m_{020}^{(22)} + m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(21)} + m_{100}^{(10)} m_{010}^{(22)} m_{020}^{(02)} - m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(01)} \\
& + m_{100}^{(10)} m_{001}^{(01)} m_{020}^{(22)} - m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(21)} - m_{100}^{(10)} m_{001}^{(21)} m_{020}^{(02)} + m_{100}^{(10)} m_{001}^{(21)} m_{011}^{(01)} \\
& - m_{100}^{(11)} m_{100}^{(22)} m_{020}^{(02)} + m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(01)} - m_{100}^{(11)} m_{001}^{(01)} m_{110}^{(22)} + m_{100}^{(11)} m_{001}^{(01)} m_{011}^{(20)} \\
& + m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(21)} - m_{100}^{(11)} m_{001}^{(02)} m_{020}^{(20)} + m_{100}^{(11)} m_{001}^{(11)} m_{110}^{(02)} - m_{100}^{(11)} m_{001}^{(11)} m_{011}^{(00)} \\
& - m_{100}^{(11)} m_{001}^{(22)} m_{011}^{(01)} + m_{100}^{(11)} m_{001}^{(22)} m_{020}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{020}^{(02)} - m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(01)} \\
& + m_{100}^{(12)} m_{010}^{(01)} m_{110}^{(22)} - m_{100}^{(12)} m_{010}^{(01)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(21)} + m_{100}^{(12)} m_{010}^{(02)} m_{020}^{(20)} \\
& - m_{100}^{(12)} m_{010}^{(21)} m_{110}^{(02)} + m_{100}^{(12)} m_{010}^{(21)} m_{011}^{(00)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(01)} - m_{100}^{(12)} m_{010}^{(22)} m_{020}^{(00)} \\
& + m_{100}^{(20)} m_{010}^{(02)} m_{020}^{(12)} - m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(11)} - m_{100}^{(20)} m_{010}^{(12)} m_{020}^{(02)} + m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(01)} \\
& - m_{100}^{(20)} m_{001}^{(01)} m_{020}^{(12)} + m_{100}^{(20)} m_{001}^{(01)} m_{011}^{(11)} + m_{100}^{(20)} m_{001}^{(11)} m_{020}^{(02)} - m_{100}^{(20)} m_{001}^{(11)} m_{011}^{(01)} \\
& + m_{100}^{(21)} m_{001}^{(01)} m_{110}^{(12)} - m_{100}^{(21)} m_{001}^{(01)} m_{011}^{(10)} - m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(11)} + m_{100}^{(21)} m_{001}^{(02)} m_{020}^{(10)} \\
& - m_{100}^{(21)} m_{001}^{(11)} m_{020}^{(02)} + m_{100}^{(21)} m_{001}^{(11)} m_{011}^{(00)} + m_{100}^{(21)} m_{001}^{(12)} m_{011}^{(01)} - m_{100}^{(21)} m_{001}^{(12)} m_{020}^{(00)} \\
& - m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(12)} + m_{100}^{(22)} m_{010}^{(01)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(11)} - m_{100}^{(22)} m_{010}^{(02)} m_{020}^{(10)} \\
& + m_{100}^{(22)} m_{010}^{(11)} m_{110}^{(02)} - m_{100}^{(22)} m_{010}^{(11)} m_{011}^{(00)} - m_{100}^{(22)} m_{010}^{(12)} m_{110}^{(01)} + m_{100}^{(22)} m_{010}^{(12)} m_{020}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& +m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(02)} m_{010}^{(10)} m_{002}^{(20)} - m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(12)} + m_{010}^{(02)} m_{010}^{(20)} m_{002}^{(10)} \\
& -m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(02)} + m_{010}^{(10)} m_{010}^{(22)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{011}^{(22)} + m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(21)} \\
& -m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(21)} + m_{010}^{(10)} m_{001}^{(02)} m_{011}^{(20)} + m_{010}^{(10)} m_{001}^{(20)} m_{011}^{(02)} - m_{010}^{(10)} m_{001}^{(20)} m_{002}^{(01)} \\
& +m_{010}^{(10)} m_{001}^{(22)} m_{101}^{(01)} - m_{010}^{(10)} m_{001}^{(22)} m_{011}^{(00)} + m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(20)} \\
& -m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(02)} + m_{010}^{(11)} m_{001}^{(20)} m_{002}^{(00)} + m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(02)} - m_{010}^{(12)} m_{010}^{(20)} m_{002}^{(00)} \\
& +m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(12)} - m_{010}^{(20)} m_{001}^{(00)} m_{002}^{(11)} + m_{010}^{(20)} m_{001}^{(02)} m_{101}^{(11)} - m_{010}^{(20)} m_{001}^{(02)} m_{011}^{(10)} \\
& -m_{010}^{(20)} m_{001}^{(10)} m_{011}^{(02)} + m_{010}^{(20)} m_{001}^{(10)} m_{002}^{(01)} - m_{010}^{(20)} m_{001}^{(12)} m_{101}^{(01)} + m_{010}^{(20)} m_{001}^{(12)} m_{011}^{(00)} \\
& -m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(12)} + m_{010}^{(21)} m_{001}^{(00)} m_{002}^{(10)} + m_{010}^{(21)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(21)} m_{001}^{(10)} m_{002}^{(00)} \\
& -m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(21)} + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(20)} + m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(21)} m_{011}^{(10)} \\
& +m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(21)} - m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(20)} - m_{001}^{(01)} m_{001}^{(20)} m_{101}^{(11)} + m_{001}^{(01)} m_{001}^{(20)} m_{011}^{(10)} \\
& -m_{001}^{(10)} m_{001}^{(21)} m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(00)} + m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(01)} - m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 1 & 1 \\
V2 & 2 & V2 & A0 \\
V3 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{36}^{(1)} = & -m_{100}^{(00)} m_{010}^{(12)} m_{110}^{(22)} + m_{100}^{(00)} m_{010}^{(12)} m_{101}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(21)} - m_{100}^{(00)} m_{010}^{(22)} m_{101}^{(11)} \\
& +m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(12)} - m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(21)} + m_{100}^{(00)} m_{001}^{(21)} m_{101}^{(11)} \\
& +m_{100}^{(01)} m_{100}^{(12)} m_{110}^{(22)} - m_{100}^{(01)} m_{100}^{(12)} m_{101}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(11)} \\
& +m_{100}^{(01)} m_{010}^{(02)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(12)} m_{200}^{(22)} + m_{100}^{(01)} m_{010}^{(12)} m_{101}^{(02)} \\
& +m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(02)} - m_{100}^{(01)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(01)} m_{001}^{(02)} m_{101}^{(11)} \\
& -m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(12)} + m_{100}^{(01)} m_{001}^{(12)} m_{200}^{(21)} - m_{100}^{(01)} m_{001}^{(12)} m_{101}^{(01)} \\
& +m_{100}^{(01)} m_{001}^{(20)} m_{110}^{(21)} - m_{100}^{(01)} m_{001}^{(20)} m_{101}^{(11)} - m_{100}^{(01)} m_{001}^{(22)} m_{200}^{(11)} + m_{100}^{(01)} m_{001}^{(22)} m_{101}^{(01)} \\
& -m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)} + m_{100}^{(02)} m_{100}^{(11)} m_{101}^{(12)} + m_{100}^{(02)} m_{100}^{(21)} m_{110}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{101}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(01)} m_{110}^{(22)} + m_{100}^{(02)} m_{010}^{(01)} m_{101}^{(12)} + m_{100}^{(02)} m_{010}^{(10)} m_{200}^{(22)} - m_{100}^{(02)} m_{010}^{(10)} m_{101}^{(12)} \\
& +m_{100}^{(02)} m_{010}^{(11)} m_{200}^{(22)} - m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(02)} - m_{100}^{(02)} m_{010}^{(20)} m_{110}^{(21)} + m_{100}^{(02)} m_{010}^{(20)} m_{101}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(21)} m_{200}^{(12)} + m_{100}^{(02)} m_{010}^{(21)} m_{110}^{(02)} + m_{100}^{(02)} m_{001}^{(01)} m_{110}^{(21)} - m_{100}^{(02)} m_{001}^{(01)} m_{101}^{(11)} \\
& -m_{100}^{(02)} m_{001}^{(11)} m_{200}^{(21)} + m_{100}^{(02)} m_{001}^{(11)} m_{101}^{(01)} + m_{100}^{(02)} m_{001}^{(21)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(21)} m_{101}^{(01)}
\end{aligned}$$

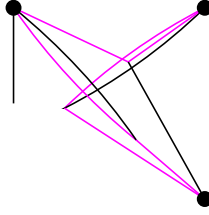
$$\begin{aligned}
& +m_{100}^{(10)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(10)} m_{010}^{(12)} m_{101}^{(02)} - m_{100}^{(10)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(10)} m_{010}^{(22)} m_{101}^{(01)} \\
& -m_{100}^{(10)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(10)} m_{001}^{(11)} m_{101}^{(02)} + m_{100}^{(10)} m_{001}^{(21)} m_{200}^{(21)} - m_{100}^{(10)} m_{001}^{(21)} m_{101}^{(01)} \\
& -m_{100}^{(11)} m_{100}^{(22)} m_{200}^{(12)} + m_{100}^{(11)} m_{100}^{(22)} m_{200}^{(21)} + m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(02)} - m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(01)} \\
& +m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(20)} - m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(10)} + m_{100}^{(11)} m_{001}^{(10)} m_{200}^{(22)} - m_{100}^{(11)} m_{001}^{(10)} m_{101}^{(02)} \\
& -m_{100}^{(11)} m_{001}^{(12)} m_{200}^{(20)} + m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(00)} - m_{100}^{(11)} m_{001}^{(20)} m_{200}^{(21)} + m_{100}^{(11)} m_{001}^{(20)} m_{101}^{(01)} \\
& +m_{100}^{(11)} m_{001}^{(22)} m_{100}^{(10)} - m_{100}^{(11)} m_{001}^{(22)} m_{110}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{200}^{(12)} - m_{100}^{(12)} m_{100}^{(21)} m_{200}^{(21)} \\
& -m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(02)} + m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(01)} - m_{100}^{(12)} m_{010}^{(10)} m_{200}^{(22)} + m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(02)} \\
& +m_{100}^{(12)} m_{010}^{(20)} m_{200}^{(21)} - m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(20)} + m_{100}^{(12)} m_{001}^{(01)} m_{101}^{(10)} \\
& +m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(20)} - m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(00)} - m_{100}^{(12)} m_{001}^{(21)} m_{200}^{(10)} + m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(00)} \\
& -m_{100}^{(20)} m_{010}^{(12)} m_{200}^{(12)} + m_{100}^{(20)} m_{010}^{(12)} m_{110}^{(02)} + m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(11)} - m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(01)} \\
& +m_{100}^{(20)} m_{001}^{(11)} m_{200}^{(12)} - m_{100}^{(20)} m_{001}^{(11)} m_{110}^{(02)} - m_{100}^{(20)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(01)} \\
& -m_{100}^{(21)} m_{010}^{(02)} m_{110}^{(20)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(10)} + m_{100}^{(21)} m_{010}^{(12)} m_{200}^{(20)} - m_{100}^{(21)} m_{010}^{(12)} m_{101}^{(02)} \\
& -m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(10)} + m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(00)} - m_{100}^{(21)} m_{001}^{(10)} m_{200}^{(12)} + m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(02)} \\
& +m_{100}^{(21)} m_{001}^{(20)} m_{200}^{(11)} - m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(01)} + m_{100}^{(22)} m_{010}^{(01)} m_{200}^{(20)} - m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(10)} \\
& +m_{100}^{(22)} m_{010}^{(10)} m_{200}^{(11)} - m_{100}^{(22)} m_{010}^{(10)} m_{110}^{(02)} - m_{100}^{(22)} m_{010}^{(20)} m_{200}^{(11)} + m_{100}^{(22)} m_{010}^{(20)} m_{101}^{(02)} \\
& -m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(00)} + m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(01)} + m_{100}^{(22)} m_{010}^{(21)} m_{200}^{(10)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(00)} \\
& +m_{100}^{(22)} m_{001}^{(12)} m_{200}^{(22)} - m_{100}^{(22)} m_{001}^{(12)} m_{101}^{(02)} - m_{100}^{(22)} m_{001}^{(22)} m_{200}^{(12)} + m_{100}^{(22)} m_{001}^{(22)} m_{110}^{(02)} \\
& -m_{100}^{(00)} m_{010}^{(20)} m_{110}^{(22)} + m_{100}^{(00)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(00)} m_{010}^{(01)} m_{110}^{(22)} + m_{100}^{(00)} m_{010}^{(01)} m_{101}^{(12)} \\
& +m_{100}^{(00)} m_{001}^{(02)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(02)} m_{101}^{(11)} - m_{100}^{(00)} m_{001}^{(12)} m_{200}^{(21)} + m_{100}^{(00)} m_{001}^{(12)} m_{101}^{(01)} \\
& +m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(20)} - m_{100}^{(00)} m_{001}^{(21)} m_{101}^{(10)} + m_{100}^{(00)} m_{001}^{(22)} m_{200}^{(11)} - m_{100}^{(00)} m_{001}^{(22)} m_{110}^{(01)} \\
& +m_{100}^{(01)} m_{001}^{(00)} m_{110}^{(22)} - m_{100}^{(01)} m_{001}^{(00)} m_{101}^{(12)} - m_{100}^{(01)} m_{001}^{(20)} m_{110}^{(20)} + m_{100}^{(01)} m_{001}^{(20)} m_{101}^{(10)} \\
& -m_{100}^{(02)} m_{010}^{(10)} m_{200}^{(22)} + m_{100}^{(02)} m_{010}^{(10)} m_{101}^{(02)} + m_{100}^{(02)} m_{010}^{(20)} m_{200}^{(12)} - m_{100}^{(02)} m_{010}^{(20)} m_{110}^{(02)} \\
& +m_{100}^{(02)} m_{010}^{(20)} m_{110}^{(01)} - m_{100}^{(02)} m_{010}^{(20)} m_{101}^{(01)} - m_{100}^{(02)} m_{001}^{(00)} m_{110}^{(21)} + m_{100}^{(02)} m_{001}^{(00)} m_{101}^{(11)} \\
& +m_{100}^{(02)} m_{001}^{(10)} m_{200}^{(21)} - m_{100}^{(02)} m_{001}^{(10)} m_{101}^{(11)} - m_{100}^{(02)} m_{001}^{(20)} m_{200}^{(11)} + m_{100}^{(02)} m_{001}^{(20)} m_{110}^{(01)} \\
& +m_{100}^{(10)} m_{010}^{(22)} m_{200}^{(20)} - m_{100}^{(10)} m_{010}^{(22)} m_{101}^{(00)} + m_{100}^{(10)} m_{001}^{(01)} m_{200}^{(22)} - m_{100}^{(10)} m_{001}^{(01)} m_{101}^{(02)} \\
& -m_{100}^{(10)} m_{001}^{(02)} m_{110}^{(20)} + m_{100}^{(10)} m_{001}^{(02)} m_{101}^{(10)} + m_{100}^{(10)} m_{001}^{(12)} m_{200}^{(10)} - m_{100}^{(10)} m_{001}^{(12)} m_{101}^{(00)} \\
& -m_{100}^{(10)} m_{001}^{(20)} m_{200}^{(10)} + m_{100}^{(10)} m_{001}^{(20)} m_{110}^{(00)} - m_{100}^{(10)} m_{001}^{(22)} m_{200}^{(10)} + m_{100}^{(10)} m_{001}^{(22)} m_{110}^{(00)} \\
& -m_{100}^{(11)} m_{001}^{(00)} m_{200}^{(22)} + m_{100}^{(11)} m_{001}^{(00)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(20)} m_{200}^{(20)} - m_{100}^{(11)} m_{001}^{(20)} m_{101}^{(00)} \\
& -m_{100}^{(12)} m_{010}^{(20)} m_{200}^{(20)} + m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(00)} + m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(20)} - m_{100}^{(12)} m_{001}^{(00)} m_{101}^{(10)} \\
& -m_{100}^{(12)} m_{001}^{(10)} m_{200}^{(20)} + m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(00)} + m_{100}^{(12)} m_{001}^{(20)} m_{200}^{(10)} - m_{100}^{(12)} m_{001}^{(20)} m_{110}^{(00)} \\
& -m_{100}^{(20)} m_{001}^{(01)} m_{200}^{(12)} + m_{100}^{(20)} m_{001}^{(01)} m_{110}^{(02)} + m_{100}^{(20)} m_{001}^{(10)} m_{200}^{(20)} - m_{100}^{(20)} m_{001}^{(10)} m_{110}^{(00)} \\
& +m_{100}^{(21)} m_{001}^{(00)} m_{200}^{(12)} - m_{100}^{(21)} m_{001}^{(00)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(20)} m_{200}^{(10)} + m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(00)} \\
& +m_{100}^{(00)} m_{001}^{(11)} m_{200}^{(21)} - m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(01)} + m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(10)} \\
& -m_{100}^{(00)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(01)} - m_{100}^{(00)} m_{001}^{(21)} m_{200}^{(20)} + m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(02)} \\
& +m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(01)} - m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(10)} + m_{100}^{(01)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(01)} m_{001}^{(20)} m_{110}^{(01)} \\
& +m_{100}^{(10)} m_{001}^{(21)} m_{101}^{(00)} - m_{100}^{(10)} m_{001}^{(21)} m_{101}^{(00)} - m_{100}^{(11)} m_{001}^{(20)} m_{200}^{(10)} + m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{36}^{(2)} = & -m_{100}^{(00)} m_{010}^{(12)} m_{020}^{(22)} + m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(21)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(11)} \\
& +m_{100}^{(00)} m_{001}^{(11)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(12)} - m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(21)} + m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(11)} \\
& +m_{100}^{(01)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(12)} - m_{010}^{(01)} m_{001}^{(20)} m_{011}^{(20)} + m_{010}^{(01)} m_{001}^{(20)} m_{002}^{(10)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(22)} + m_{010}^{(02)} m_{010}^{(10)} m_{002}^{(02)} + m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(12)} - m_{010}^{(02)} m_{010}^{(20)} m_{011}^{(02)} \\
& + m_{010}^{(02)} m_{010}^{(20)} m_{011}^{(20)} - m_{010}^{(02)} m_{010}^{(20)} m_{002}^{(10)} - m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(21)} + m_{010}^{(02)} m_{001}^{(00)} m_{002}^{(11)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(21)} - m_{010}^{(02)} m_{001}^{(10)} m_{002}^{(01)} - m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(11)} + m_{010}^{(02)} m_{001}^{(20)} m_{011}^{(01)} \\
& + m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(20)} - m_{010}^{(10)} m_{010}^{(22)} m_{002}^{(00)} + m_{010}^{(10)} m_{001}^{(01)} m_{101}^{(22)} - m_{010}^{(10)} m_{001}^{(01)} m_{002}^{(02)} \\
& - m_{010}^{(10)} m_{001}^{(02)} m_{011}^{(20)} + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(10)} + m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(20)} - m_{010}^{(10)} m_{001}^{(12)} m_{002}^{(00)} \\
& - m_{010}^{(10)} m_{001}^{(21)} m_{101}^{(20)} + m_{010}^{(10)} m_{001}^{(21)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(22)} m_{101}^{(10)} + m_{010}^{(10)} m_{001}^{(22)} m_{011}^{(00)} \\
& - m_{010}^{(11)} m_{001}^{(00)} m_{101}^{(22)} + m_{010}^{(11)} m_{001}^{(00)} m_{002}^{(02)} + m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(20)} - m_{010}^{(11)} m_{001}^{(20)} m_{002}^{(00)} \\
& - m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(20)} + m_{010}^{(12)} m_{010}^{(20)} m_{002}^{(00)} + m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(20)} - m_{010}^{(12)} m_{001}^{(00)} m_{002}^{(10)} \\
& - m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(20)} + m_{010}^{(12)} m_{001}^{(10)} m_{002}^{(00)} + m_{010}^{(12)} m_{001}^{(20)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(20)} m_{011}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(12)} + m_{010}^{(20)} m_{001}^{(01)} m_{011}^{(02)} + m_{010}^{(20)} m_{001}^{(21)} m_{101}^{(10)} - m_{010}^{(20)} m_{001}^{(21)} m_{011}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(02)} - m_{010}^{(21)} m_{001}^{(21)} m_{101}^{(10)} + m_{010}^{(21)} m_{001}^{(21)} m_{011}^{(00)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(21)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(01)} + m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(10)} \\
& - m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{011}^{(01)} - m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(21)} + m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(20)} \\
& + m_{001}^{(01)} m_{001}^{(10)} m_{002}^{(01)} - m_{001}^{(01)} m_{001}^{(10)} m_{002}^{(10)} + m_{001}^{(01)} m_{001}^{(20)} m_{101}^{(11)} - m_{001}^{(01)} m_{001}^{(20)} m_{011}^{(01)} \\
& + m_{001}^{(10)} m_{001}^{(21)} m_{101}^{(10)} - m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(00)} - m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(10)} + m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
& 1 & V2 & 2 \ A0 \\
V3 & 3 & V3 & A0
\end{array}$$

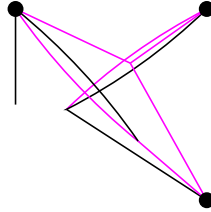


$$\begin{aligned}
P_{37}^{(1)} = & -m_{100}^{(00)} m_{010}^{(12)} m_{110}^{(22)} + m_{100}^{(00)} m_{010}^{(12)} m_{101}^{(12)} + m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(21)} - m_{100}^{(00)} m_{010}^{(22)} m_{101}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(12)} - m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(21)} + m_{100}^{(00)} m_{001}^{(21)} m_{101}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(02)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(20)} + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(10)} \\
& - m_{100}^{(01)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(01)} m_{001}^{(02)} m_{101}^{(11)} - m_{100}^{(01)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(02)} \\
& + m_{100}^{(01)} m_{001}^{(12)} m_{200}^{(21)} - m_{100}^{(01)} m_{001}^{(12)} m_{101}^{(01)} + m_{100}^{(01)} m_{001}^{(21)} m_{200}^{(12)} - m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(02)} \\
& + m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(20)} - m_{100}^{(01)} m_{001}^{(21)} m_{101}^{(10)} - m_{100}^{(01)} m_{001}^{(22)} m_{200}^{(11)} + m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(01)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{110}^{(22)} + m_{100}^{(02)} m_{010}^{(01)} m_{101}^{(12)} + m_{100}^{(02)} m_{010}^{(11)} m_{200}^{(22)} - m_{100}^{(02)} m_{010}^{(11)} m_{101}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(21)} + m_{100}^{(22)} m_{010}^{(00)} m_{002}^{(11)} + m_{100}^{(22)} m_{010}^{(01)} m_{011}^{(20)} - m_{100}^{(22)} m_{010}^{(01)} m_{002}^{(10)} \\
& -m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(01)} + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(21)} - m_{100}^{(22)} m_{010}^{(10)} m_{002}^{(01)} \\
& -m_{100}^{(22)} m_{010}^{(11)} m_{101}^{(20)} + m_{100}^{(22)} m_{010}^{(11)} m_{002}^{(00)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} - m_{100}^{(22)} m_{010}^{(12)} m_{011}^{(00)} \\
& -m_{100}^{(22)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(22)} m_{010}^{(21)} m_{101}^{(10)} - m_{100}^{(22)} m_{010}^{(21)} m_{011}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(01)} m_{101}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(01)} - m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} + m_{100}^{(22)} m_{001}^{(11)} m_{011}^{(00)} \\
& -m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(22)} + m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(12)} + m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& -m_{010}^{(00)} m_{001}^{(10)} m_{011}^{(22)} + m_{010}^{(00)} m_{001}^{(10)} m_{002}^{(12)} + m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(22)} - m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(02)} \\
& -m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(01)} + m_{010}^{(00)} m_{001}^{(20)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(20)} m_{002}^{(11)} \\
& -m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(12)} + m_{010}^{(00)} m_{001}^{(21)} m_{002}^{(02)} + m_{010}^{(00)} m_{001}^{(22)} m_{101}^{(11)} - m_{010}^{(00)} m_{001}^{(22)} m_{011}^{(01)} \\
& + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(12)} - m_{010}^{(01)} m_{001}^{(20)} m_{011}^{(20)} + m_{010}^{(01)} m_{001}^{(20)} m_{002}^{(10)} \\
& -m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(21)} + m_{010}^{(02)} m_{001}^{(00)} m_{002}^{(11)} + m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(20)} - m_{010}^{(02)} m_{001}^{(10)} m_{002}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(12)} - m_{010}^{(10)} m_{001}^{(02)} m_{011}^{(20)} + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(20)} - m_{010}^{(10)} m_{001}^{(12)} m_{002}^{(00)} + m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(12)} - m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(01)} \\
& -m_{010}^{(10)} m_{001}^{(20)} m_{011}^{(02)} + m_{010}^{(10)} m_{001}^{(20)} m_{002}^{(01)} - m_{010}^{(10)} m_{001}^{(22)} m_{101}^{(10)} + m_{010}^{(10)} m_{001}^{(22)} m_{011}^{(00)} \\
& -m_{010}^{(11)} m_{001}^{(00)} m_{101}^{(22)} + m_{010}^{(11)} m_{001}^{(00)} m_{002}^{(12)} + m_{010}^{(11)} m_{001}^{(10)} m_{101}^{(20)} - m_{010}^{(11)} m_{001}^{(10)} m_{002}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(21)} - m_{010}^{(12)} m_{001}^{(00)} m_{002}^{(01)} - m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(20)} + m_{010}^{(12)} m_{001}^{(10)} m_{002}^{(00)} \\
& -m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(21)} + m_{010}^{(20)} m_{001}^{(00)} m_{002}^{(11)} + m_{010}^{(20)} m_{001}^{(01)} m_{011}^{(20)} - m_{010}^{(20)} m_{001}^{(01)} m_{002}^{(10)} \\
& -m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(12)} + m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(02)} + m_{010}^{(20)} m_{001}^{(10)} m_{011}^{(01)} - m_{010}^{(20)} m_{001}^{(10)} m_{002}^{(01)} \\
& -m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(20)} + m_{010}^{(20)} m_{001}^{(11)} m_{002}^{(00)} + m_{010}^{(20)} m_{001}^{(21)} m_{101}^{(10)} - m_{010}^{(20)} m_{001}^{(21)} m_{011}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(02)} - m_{010}^{(21)} m_{001}^{(20)} m_{101}^{(10)} + m_{010}^{(21)} m_{001}^{(20)} m_{011}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(01)} + m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(10)} - m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
	1	V2	2 A0
	V3	V3	3 A0

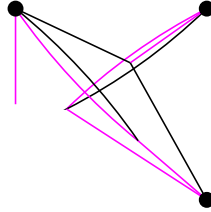


$$\begin{aligned}
P_{38}^{(1)} = & -m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(12)} m_{002}^{(10)} + m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(20)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(10)} - m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(20)} + m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(22)} + m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(12)} + m_{010}^{(00)} m_{001}^{(02)} m_{020}^{(22)} - m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(12)} \\
& -m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(21)} m_{110}^{(22)} - m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(12)} \\
& + m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{001}^{(22)} m_{020}^{(02)} + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(12)} \\
& -m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(20)} m_{101}^{(12)} - m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(22)} + m_{010}^{(01)} m_{010}^{(02)} m_{002}^{(02)} \\
& + m_{010}^{(02)} m_{010}^{(20)} m_{110}^{(22)} - m_{010}^{(02)} m_{010}^{(20)} m_{011}^{(02)} - m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(22)} + m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(12)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(22)} - m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(02)} - m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(12)} + m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(02)} \\
& + m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(22)} - m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(02)} + m_{010}^{(10)} m_{001}^{(01)} m_{101}^{(22)} - m_{010}^{(10)} m_{001}^{(01)} m_{002}^{(02)} \\
& -m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} + m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(12)} + m_{010}^{(10)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(02)} \\
& -m_{010}^{(10)} m_{001}^{(21)} m_{200}^{(22)} + m_{010}^{(10)} m_{001}^{(21)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(02)} \\
& -m_{010}^{(11)} m_{001}^{(00)} m_{101}^{(22)} + m_{010}^{(11)} m_{001}^{(00)} m_{002}^{(02)} + m_{010}^{(11)} m_{001}^{(20)} m_{200}^{(22)} - m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(02)} \\
& -m_{010}^{(12)} m_{010}^{(20)} m_{200}^{(22)} + m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(22)} - m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(12)} \\
& -m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(22)} + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(02)} + m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(12)} - m_{010}^{(12)} m_{001}^{(20)} m_{110}^{(02)} \\
& -m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(12)} + m_{010}^{(20)} m_{001}^{(01)} m_{011}^{(02)} + m_{010}^{(20)} m_{001}^{(21)} m_{200}^{(12)} - m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(02)} \\
& + m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(02)} - m_{010}^{(21)} m_{001}^{(20)} m_{110}^{(12)} + m_{010}^{(21)} m_{001}^{(20)} m_{110}^{(02)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(12)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(02)} - m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(12)} + m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(02)} \\
& -m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(12)} + m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(02)} + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(20)} m_{020}^{(02)} \\
& + m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(12)} - m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(02)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(12)} + m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(02)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
& 1 & V2 & 2 & A0 \\
V3 & 3 & V3 & A0
\end{array}$$

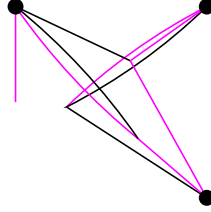


$$\begin{aligned}
P_{39}^{(1)} = & -m_{100}^{(00)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(12)} m_{002}^{(10)} + m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(20)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(10)} - m_{100}^{(00)} m_{001}^{(21)} m_{020}^{(20)} + m_{100}^{(00)} m_{001}^{(21)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(20)} - m_{100}^{(01)} m_{010}^{(02)} m_{002}^{(10)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(20)} + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(10)} \\
& -m_{100}^{(01)} m_{001}^{(02)} m_{020}^{(20)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(10)} - m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(00)} \\
& + m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(20)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(00)} + m_{100}^{(01)} m_{001}^{(21)} m_{110}^{(20)} - m_{100}^{(01)} m_{001}^{(21)} m_{011}^{(00)} \\
& -m_{100}^{(01)} m_{001}^{(22)} m_{110}^{(10)} + m_{100}^{(01)} m_{001}^{(22)} m_{002}^{(00)} - m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(20)} + m_{100}^{(02)} m_{010}^{(01)} m_{002}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(20)} m_{020}^{(22)} - m_{010}^{(00)} m_{001}^{(20)} m_{011}^{(12)} \\
& -m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(12)} + m_{010}^{(00)} m_{001}^{(21)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{001}^{(22)} m_{020}^{(02)} \\
& + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(12)} - m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(20)} m_{101}^{(12)} \\
& -m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(22)} + m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(12)} + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(22)} - m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(12)} \\
& + m_{010}^{(10)} m_{001}^{(00)} m_{011}^{(22)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(12)} - m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} + m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(12)} \\
& + m_{010}^{(10)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(20)} m_{110}^{(22)} + m_{010}^{(10)} m_{001}^{(20)} m_{101}^{(12)} \\
& -m_{010}^{(10)} m_{001}^{(22)} m_{200}^{(12)} + m_{010}^{(10)} m_{001}^{(22)} m_{110}^{(02)} - m_{010}^{(10)} m_{001}^{(11)} m_{101}^{(02)} + m_{010}^{(10)} m_{001}^{(11)} m_{002}^{(02)} \\
& + m_{010}^{(11)} m_{001}^{(20)} m_{200}^{(22)} - m_{010}^{(11)} m_{001}^{(20)} m_{101}^{(02)} + m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(22)} - m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(02)} \\
& -m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(22)} + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(20)} m_{001}^{(00)} m_{020}^{(22)} + m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(12)} \\
& + m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(22)} - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(12)} + m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(22)} - m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(12)} \\
& -m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(22)} + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(02)} + m_{010}^{(20)} m_{001}^{(21)} m_{200}^{(12)} - m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(02)} \\
& + m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(02)} - m_{010}^{(21)} m_{001}^{(20)} m_{200}^{(12)} + m_{010}^{(21)} m_{001}^{(20)} m_{110}^{(02)} \\
& -m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(12)} + m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(12)} - m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(02)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
& 1 & V2 & 2 & A0 \\
V3 & V3 & 3 & A0
\end{array}$$

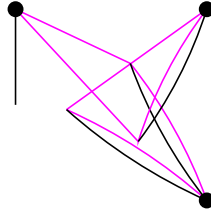


$$\begin{aligned}
P_{40}^{(1)} = & -m_{100}^{(00)} m_{010}^{(20)} m_{020}^{(22)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(21)} - m_{100}^{(00)} m_{010}^{(20)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{010}^{(21)} m_{110}^{(22)} - m_{100}^{(00)} m_{010}^{(21)} m_{101}^{(12)} - m_{100}^{(00)} m_{010}^{(21)} m_{011}^{(20)} + m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(10)} \\
& -m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(21)} + m_{100}^{(00)} m_{010}^{(22)} m_{101}^{(11)} + m_{100}^{(00)} m_{010}^{(22)} m_{020}^{(20)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(12)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(10)} m_{002}^{(11)} \\
& -m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} + m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(12)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(10)} \\
& + m_{100}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(12)} m_{101}^{(11)} - m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(20)} + m_{100}^{(00)} m_{001}^{(12)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(01)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(01)} \\
& -m_{100}^{(01)} m_{010}^{(21)} m_{200}^{(22)} + m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(02)} + m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(20)} - m_{100}^{(01)} m_{010}^{(21)} m_{002}^{(00)} \\
& + m_{100}^{(01)} m_{010}^{(22)} m_{200}^{(21)} - m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(20)} - m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(01)} + m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(00)} \\
& -m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(21)} + m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(10)} m_{002}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& +m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(12)} - m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(21)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(02)} + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(20)} \\
& +m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(01)} - m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(10)} - m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(12)} + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} \\
& +m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(20)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} + m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(10)} \\
& -m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(12)} + m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(21)} + m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(02)} - m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(20)} \\
& -m_{001}^{(01)} m_{001}^{(10)} m_{002}^{(01)} + m_{001}^{(01)} m_{001}^{(10)} m_{002}^{(10)} + m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(12)} - m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(21)} \\
& -m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(01)} - m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(10)} \\
& +m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(21)} - m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(02)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(20)} \\
& +m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(01)} - m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(10)} - m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(21)} \\
& +m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(02)} - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} - m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
V2	V3	V3	A0
2	3	3	A0

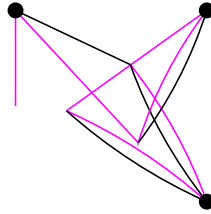


$$\begin{aligned}
P_{41}^{(1)} = & -m_{100}^{(00)} m_{100}^{(20)} m_{020}^{(22)} + m_{100}^{(00)} m_{100}^{(20)} m_{011}^{(12)} + m_{100}^{(00)} m_{100}^{(20)} m_{011}^{(21)} - m_{100}^{(00)} m_{100}^{(20)} m_{002}^{(11)} \\
& +m_{100}^{(00)} m_{100}^{(21)} m_{110}^{(22)} - m_{100}^{(00)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(00)} m_{100}^{(21)} m_{011}^{(11)} + m_{100}^{(00)} m_{100}^{(21)} m_{002}^{(10)} \\
& -m_{100}^{(00)} m_{100}^{(22)} m_{110}^{(21)} + m_{100}^{(00)} m_{100}^{(22)} m_{101}^{(11)} + m_{100}^{(00)} m_{100}^{(22)} m_{020}^{(20)} - m_{100}^{(00)} m_{100}^{(22)} m_{011}^{(10)} \\
& +m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(12)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(10)} m_{002}^{(11)} \\
& -m_{100}^{(00)} m_{001}^{(11)} m_{110}^{(22)} + m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(12)} + m_{100}^{(00)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(10)} \\
& +m_{100}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{100}^{(00)} m_{001}^{(12)} m_{101}^{(11)} - m_{100}^{(00)} m_{001}^{(12)} m_{020}^{(20)} + m_{100}^{(00)} m_{001}^{(12)} m_{011}^{(10)} \\
& -m_{100}^{(10)} m_{100}^{(21)} m_{110}^{(22)} + m_{100}^{(10)} m_{100}^{(21)} m_{101}^{(12)} + m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(20)} - m_{100}^{(10)} m_{100}^{(21)} m_{002}^{(10)} \\
& +m_{100}^{(10)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(10)} m_{100}^{(22)} m_{101}^{(11)} - m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(20)} + m_{100}^{(10)} m_{100}^{(22)} m_{011}^{(10)} \\
& +m_{100}^{(10)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(10)} m_{010}^{(20)} m_{101}^{(11)} - m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(20)} + m_{100}^{(10)} m_{010}^{(20)} m_{002}^{(10)} \\
& -m_{100}^{(10)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(10)} m_{001}^{(00)} m_{011}^{(12)} + m_{100}^{(10)} m_{001}^{(00)} m_{011}^{(21)} - m_{100}^{(10)} m_{001}^{(00)} m_{002}^{(11)} \\
& +m_{100}^{(10)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(01)} m_{101}^{(12)} - m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(20)} + m_{100}^{(10)} m_{001}^{(01)} m_{002}^{(10)} \\
& -m_{100}^{(10)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(02)} m_{101}^{(11)} + m_{100}^{(10)} m_{001}^{(02)} m_{020}^{(20)} - m_{100}^{(10)} m_{001}^{(02)} m_{011}^{(10)} \\
& -m_{100}^{(10)} m_{001}^{(20)} m_{110}^{(12)} + m_{100}^{(10)} m_{001}^{(20)} m_{101}^{(11)} + m_{100}^{(10)} m_{001}^{(20)} m_{020}^{(20)} - m_{100}^{(10)} m_{001}^{(20)} m_{011}^{(10)} \\
& +m_{100}^{(11)} m_{100}^{(20)} m_{110}^{(22)} - m_{100}^{(11)} m_{100}^{(20)} m_{101}^{(12)} - m_{100}^{(11)} m_{100}^{(20)} m_{011}^{(20)} + m_{100}^{(11)} m_{100}^{(20)} m_{002}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(21)} + m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(02)} - m_{010}^{(02)} m_{001}^{(10)} m_{002}^{(01)} \\
& + m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(02)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(20)} + m_{010}^{(02)} m_{001}^{(11)} m_{002}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(20)} + m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} - m_{010}^{(02)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(22)} m_{200}^{(11)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(01)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{020}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{110}^{(22)} - m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(21)} - m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(02)} + m_{010}^{(12)} m_{001}^{(00)} m_{002}^{(01)} \\
& - m_{010}^{(12)} m_{001}^{(01)} m_{200}^{(22)} + m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(02)} + m_{010}^{(12)} m_{001}^{(01)} m_{101}^{(20)} - m_{010}^{(12)} m_{001}^{(01)} m_{002}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(21)} - m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(20)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(01)} + m_{010}^{(12)} m_{001}^{(02)} m_{011}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(12)} + m_{010}^{(20)} m_{001}^{(02)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(02)} m_{020}^{(02)} - m_{010}^{(20)} m_{001}^{(02)} m_{011}^{(01)} \\
& + m_{010}^{(21)} m_{001}^{(02)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(02)} m_{110}^{(02)} - m_{010}^{(21)} m_{001}^{(02)} m_{101}^{(10)} + m_{010}^{(21)} m_{001}^{(02)} m_{011}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(01)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} - m_{010}^{(22)} m_{001}^{(02)} m_{020}^{(00)} \\
& - m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(12)} + m_{001}^{(00)} m_{001}^{(12)} m_{101}^{(11)} + m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(12)} - m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(02)} - m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(10)} + m_{001}^{(01)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(11)} - m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(02)} + m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(01)} \\
& - m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(02)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} - m_{001}^{(02)} m_{001}^{(11)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V2	V1
V2	V3	V3	A0
	2	3	3

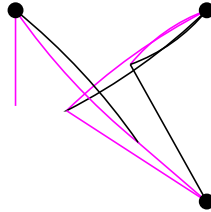


$$\begin{aligned}
P_{42}^{(1)} = & -m_{100}^{(00)} m_{010}^{(20)} m_{020}^{(22)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(21)} - m_{100}^{(00)} m_{010}^{(20)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(12)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(10)} m_{002}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(01)} m_{010}^{(20)} m_{011}^{(20)} + m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(10)} \\
& - m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(12)} + m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(20)} - m_{100}^{(01)} m_{001}^{(10)} m_{002}^{(10)} \\
& - m_{100}^{(02)} m_{010}^{(20)} m_{110}^{(21)} + m_{100}^{(02)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(02)} m_{010}^{(20)} m_{020}^{(20)} - m_{100}^{(02)} m_{010}^{(20)} m_{011}^{(10)} \\
& + m_{100}^{(02)} m_{001}^{(10)} m_{110}^{(21)} - m_{100}^{(02)} m_{001}^{(10)} m_{101}^{(11)} - m_{100}^{(02)} m_{001}^{(10)} m_{020}^{(20)} + m_{100}^{(02)} m_{001}^{(10)} m_{011}^{(10)} \\
& + m_{100}^{(10)} m_{100}^{(21)} m_{110}^{(22)} - m_{100}^{(10)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(20)} + m_{100}^{(10)} m_{100}^{(21)} m_{002}^{(10)} \\
& - m_{100}^{(10)} m_{100}^{(22)} m_{110}^{(21)} + m_{100}^{(10)} m_{100}^{(22)} m_{101}^{(11)} + m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(20)} - m_{100}^{(10)} m_{100}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(10)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(10)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(20)} + m_{100}^{(10)} m_{010}^{(20)} m_{002}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(21)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(02)} - m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(01)} \\
& -m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(22)} + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(02)} + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(20)} - m_{010}^{(01)} m_{010}^{(22)} m_{002}^{(00)} \\
& + m_{010}^{(01)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(02)} - m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(20)} + m_{010}^{(01)} m_{001}^{(12)} m_{002}^{(00)} \\
& -m_{010}^{(02)} m_{010}^{(20)} m_{110}^{(22)} + m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(21)} + m_{010}^{(02)} m_{010}^{(20)} m_{011}^{(02)} - m_{010}^{(02)} m_{010}^{(20)} m_{002}^{(01)} \\
& + m_{010}^{(02)} m_{010}^{(21)} m_{200}^{(22)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(02)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(21)} m_{002}^{(00)} \\
& -m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(20)} + m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} - m_{010}^{(02)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(12)} - m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(11)} - m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(02)} + m_{010}^{(02)} m_{001}^{(20)} m_{011}^{(01)} \\
& -m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(12)} + m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(02)} + m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(10)} - m_{010}^{(02)} m_{001}^{(21)} m_{011}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(22)} m_{200}^{(11)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(01)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{020}^{(00)} \\
& + m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} - m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(21)} - m_{010}^{(10)} m_{001}^{(02)} m_{011}^{(02)} + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(01)} \\
& -m_{010}^{(11)} m_{001}^{(02)} m_{200}^{(22)} + m_{010}^{(11)} m_{001}^{(02)} m_{101}^{(02)} + m_{010}^{(11)} m_{001}^{(02)} m_{101}^{(20)} - m_{010}^{(11)} m_{001}^{(02)} m_{002}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(21)} - m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(02)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(01)} + m_{010}^{(12)} m_{001}^{(02)} m_{011}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(12)} + m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(02)} - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(01)} \\
& + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(12)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(22)} m_{001}^{(01)} m_{011}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(01)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} - m_{010}^{(22)} m_{001}^{(02)} m_{020}^{(00)} \\
& + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(12)} - m_{001}^{(00)} m_{001}^{(12)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(02)} + m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} \\
& -m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(12)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(10)} - m_{001}^{(01)} m_{001}^{(12)} m_{011}^{(00)} \\
& -m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(12)} + m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(11)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(02)} - m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(01)} \\
& + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(12)} - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(02)} - m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} + m_{001}^{(02)} m_{001}^{(11)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

V1	V2	V2	V1
1	2	2	A0
V3	3	V3	A0

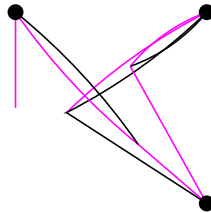


$$\begin{aligned}
P_{43}^{(1)} = & -m_{100}^{(00)} m_{010}^{(20)} m_{020}^{(22)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(21)} - m_{100}^{(00)} m_{010}^{(20)} m_{002}^{(11)} \\
& + m_{100}^{(00)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(12)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(10)} m_{002}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(01)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(01)} m_{010}^{(20)} m_{002}^{(01)} \\
& -m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(01)} m_{001}^{(10)} m_{101}^{(21)} + m_{100}^{(01)} m_{001}^{(10)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(10)} m_{002}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(12)} m_{110}^{(02)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} - m_{100}^{(22)} m_{010}^{(12)} m_{011}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(21)} - m_{100}^{(22)} m_{001}^{(10)} m_{101}^{(11)} - m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(20)} + m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(10)} \\
& - m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(21)} + m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(20)} + m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(22)} m_{001}^{(11)} m_{011}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(12)} m_{200}^{(11)} - m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(01)} - m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(10)} + m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(00)} \\
& + m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(22)} - m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(12)} - m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(20)} + m_{010}^{(00)} m_{010}^{(22)} m_{002}^{(10)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(12)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(20)} - m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(10)} \\
& - m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(22)} + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(02)} + m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(20)} - m_{010}^{(01)} m_{010}^{(22)} m_{002}^{(00)} \\
& + m_{010}^{(01)} m_{001}^{(12)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(02)} - m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(20)} + m_{010}^{(01)} m_{001}^{(12)} m_{002}^{(00)} \\
& - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(22)} + m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(12)} + m_{010}^{(02)} m_{010}^{(22)} m_{011}^{(20)} - m_{010}^{(02)} m_{010}^{(22)} m_{002}^{(10)} \\
& + m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(22)} - m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(02)} - m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(20)} + m_{010}^{(02)} m_{001}^{(21)} m_{002}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(12)} + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(02)} + m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(10)} - m_{010}^{(02)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(21)} - m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(11)} - m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(20)} + m_{010}^{(02)} m_{001}^{(20)} m_{011}^{(10)} \\
& - m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(20)} + m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(01)} - m_{010}^{(02)} m_{001}^{(21)} m_{011}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(11)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(01)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{020}^{(00)} \\
& + m_{010}^{(10)} m_{001}^{(02)} m_{110}^{(22)} - m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(12)} - m_{010}^{(10)} m_{001}^{(02)} m_{011}^{(20)} + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(10)} \\
& - m_{010}^{(11)} m_{001}^{(02)} m_{200}^{(22)} + m_{010}^{(11)} m_{001}^{(02)} m_{101}^{(02)} + m_{010}^{(11)} m_{001}^{(02)} m_{101}^{(20)} - m_{010}^{(11)} m_{001}^{(02)} m_{002}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(12)} - m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(02)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} + m_{010}^{(12)} m_{001}^{(02)} m_{011}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(21)} + m_{010}^{(22)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(20)} - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(21)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(20)} - m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(01)} m_{011}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(01)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} - m_{010}^{(22)} m_{001}^{(02)} m_{020}^{(00)} \\
& + m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(21)} - m_{001}^{(00)} m_{001}^{(12)} m_{101}^{(11)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(20)} + m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(20)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(01)} - m_{001}^{(01)} m_{001}^{(12)} m_{011}^{(00)} \\
& - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(21)} + m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(11)} + m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(20)} - m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(10)} \\
& + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(21)} - m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(20)} - m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(02)} m_{001}^{(11)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

V1	V2	V2	V1
1	2	2	A0
V3	V3	3	A0



$$\begin{aligned}
& -m_{010}^{(02)} m_{001}^{(00)} m_{110}^{(12)} + m_{010}^{(02)} m_{001}^{(00)} m_{101}^{(11)} + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(01)} \\
& -m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(10)} m_{010}^{(20)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(12)} + m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(10)} m_{002}^{(00)} + m_{010}^{(12)} m_{010}^{(20)} m_{200}^{(02)} - m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{200}^{(12)} - m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(02)} + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(00)} \\
& + (m_{010}^{(20)})^2 m_{101}^{(01)} - (m_{010}^{(20)})^2 m_{011}^{(00)} - m_{010}^{(20)} m_{010}^{(22)} m_{200}^{(01)} + m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(00)} \\
& + m_{010}^{(20)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(20)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(01)} - m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(10)} \\
& + m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(01)} + m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(01)} \\
& - m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(20)} m_{001}^{(20)} m_{020}^{(00)} \\
& + m_{010}^{(20)} m_{001}^{(21)} m_{200}^{(01)} - m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(00)} - m_{010}^{(22)} m_{001}^{(00)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(00)} - (m_{001}^{(00)})^2 m_{020}^{(12)} + (m_{001}^{(00)})^2 m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(01)} m_{110}^{(12)} - m_{001}^{(00)} m_{001}^{(01)} m_{101}^{(11)} + m_{001}^{(00)} m_{001}^{(10)} m_{110}^{(12)} + m_{001}^{(00)} m_{001}^{(10)} m_{020}^{(02)} \\
& - m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(11)} - m_{001}^{(00)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(10)} \\
& - m_{001}^{(00)} m_{001}^{(20)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(10)} + m_{001}^{(00)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(01)} - (m_{001}^{(10)})^2 m_{110}^{(02)} + (m_{001}^{(10)})^2 m_{011}^{(00)} \\
& + m_{001}^{(10)} m_{001}^{(11)} m_{200}^{(02)} - m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(00)} + m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(01)} - m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(00)} \\
& - m_{001}^{(10)} m_{001}^{(21)} m_{200}^{(01)} + m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{44}^{(2)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(21)} + m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(21)} - m_{100}^{(01)} m_{010}^{(21)} m_{011}^{(02)} + m_{100}^{(01)} m_{010}^{(21)} m_{002}^{(01)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{011}^{(12)} + m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(11)} + m_{100}^{(01)} m_{001}^{(11)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(01)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{020}^{(12)} + m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(21)} m_{020}^{(02)} - m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(01)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{020}^{(12)} - m_{100}^{(02)} m_{001}^{(01)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{020}^{(02)} + m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(01)} \\
& + (m_{100}^{(11)})^2 m_{101}^{(22)} - (m_{100}^{(11)})^2 m_{002}^{(20)} - m_{100}^{(11)} m_{100}^{(12)} m_{110}^{(22)} + m_{100}^{(11)} m_{100}^{(12)} m_{011}^{(20)} \\
& - m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(21)} + m_{100}^{(11)} m_{100}^{(21)} m_{011}^{(20)} + m_{100}^{(11)} m_{100}^{(21)} m_{002}^{(10)} \\
& + m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(11)} m_{100}^{(22)} m_{020}^{(20)} + m_{100}^{(11)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(21)} \\
& - m_{100}^{(11)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(01)} m_{002}^{(20)} - m_{100}^{(11)} m_{010}^{(02)} m_{110}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(21)} \\
& - m_{100}^{(11)} m_{010}^{(10)} m_{101}^{(21)} + m_{100}^{(11)} m_{010}^{(10)} m_{020}^{(20)} + m_{100}^{(11)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(11)} m_{010}^{(12)} m_{101}^{(20)} \\
& + m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(11)} m_{010}^{(20)} m_{011}^{(20)} + m_{100}^{(11)} m_{010}^{(21)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(21)} m_{002}^{(00)} \\
& - m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(11)} m_{010}^{(22)} m_{110}^{(20)} - m_{100}^{(11)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(21)} \\
& + m_{100}^{(11)} m_{001}^{(01)} m_{110}^{(22)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(12)} - m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(21)} - m_{100}^{(11)} m_{001}^{(01)} m_{002}^{(10)} \\
& + m_{100}^{(11)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(10)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(11)} m_{200}^{(22)} - m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(02)} \\
& + m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(11)} m_{001}^{(11)} m_{002}^{(00)} - m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(11)} m_{001}^{(20)} m_{020}^{(20)} \\
& + m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(21)} - m_{100}^{(11)} m_{001}^{(21)} m_{110}^{(20)} + m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(12)} - m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(10)} \\
& + m_{100}^{(12)} m_{010}^{(01)} m_{110}^{(22)} - m_{100}^{(12)} m_{010}^{(01)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(21)} m_{011}^{(02)} + m_{100}^{(12)} m_{010}^{(21)} m_{002}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(12)} m_{001}^{(11)} m_{110}^{(02)} - m_{100}^{(12)} m_{001}^{(11)} m_{011}^{(00)} \\
& + (m_{100}^{(21)})^2 m_{101}^{(11)} - (m_{100}^{(21)})^2 m_{011}^{(10)} - m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(21)} m_{100}^{(22)} m_{020}^{(10)} \\
& - m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(11)} + m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(21)} - m_{100}^{(21)} m_{010}^{(01)} m_{011}^{(20)} \\
& + m_{100}^{(21)} m_{010}^{(02)} m_{110}^{(11)} - m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(10)} + m_{100}^{(21)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(10)} m_{002}^{(10)} \\
& - m_{100}^{(21)} m_{010}^{(12)} m_{120}^{(12)} + m_{100}^{(21)} m_{010}^{(12)} m_{101}^{(10)} - m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(11)} + m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(21)} m_{010}^{(21)} m_{101}^{(01)} + m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(00)} + m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(11)} - m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(10)} \\
& + m_{100}^{(21)} m_{001}^{(00)} m_{020}^{(12)} - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(11)} - m_{100}^{(21)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(01)} m_{011}^{(10)} \\
& - m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(11)} m_{200}^{(12)} + m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(01)} \\
& - m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(10)} - m_{100}^{(21)} m_{001}^{(11)} m_{011}^{(00)} + m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(21)} m_{001}^{(20)} m_{020}^{(10)} \\
& - m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(21)} m_{001}^{(21)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(21)} + m_{100}^{(22)} m_{010}^{(01)} m_{020}^{(20)} \\
& + m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(01)} - m_{100}^{(22)} m_{010}^{(21)} m_{020}^{(00)} + m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{020}^{(10)} \\
& - m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(11)} m_{020}^{(00)} - m_{010}^{(00)} m_{010}^{(01)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(21)} \\
& + m_{010}^{(00)} m_{010}^{(21)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(21)} m_{002}^{(01)} + m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(11)} \\
& - m_{010}^{(00)} m_{001}^{(11)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(01)} + m_{010}^{(01)} m_{010}^{(02)} m_{110}^{(22)} - m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(21)} \\
& + m_{010}^{(01)} m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(01)} m_{010}^{(10)} m_{002}^{(20)} - m_{010}^{(01)} m_{010}^{(12)} m_{200}^{(21)} + m_{010}^{(01)} m_{010}^{(12)} m_{101}^{(20)} \\
& - m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(21)} + m_{010}^{(01)} m_{010}^{(20)} m_{011}^{(20)} + m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(21)} - m_{010}^{(01)} m_{010}^{(22)} m_{110}^{(20)} \\
& + m_{010}^{(01)} m_{001}^{(00)} m_{020}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(21)} - m_{010}^{(01)} m_{001}^{(01)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(21)} \\
& - m_{010}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(10)} m_{200}^{(20)} + m_{010}^{(01)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(11)} m_{101}^{(20)} \\
& + m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(21)} - m_{010}^{(01)} m_{001}^{(20)} m_{020}^{(20)} - m_{010}^{(01)} m_{001}^{(21)} m_{200}^{(21)} + m_{010}^{(01)} m_{001}^{(21)} m_{110}^{(20)} \\
& - m_{010}^{(02)} m_{010}^{(02)} m_{110}^{(11)} + m_{010}^{(02)} m_{010}^{(02)} m_{101}^{(10)} - m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(12)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(11)} \\
& + m_{010}^{(02)} m_{001}^{(11)} m_{110}^{(02)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(01)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(02)} + m_{010}^{(02)} m_{010}^{(21)} m_{002}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(12)} m_{002}^{(01)} + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(02)} m_{001}^{(10)} m_{002}^{(00)} \\
& + m_{010}^{(02)} m_{010}^{(21)} m_{200}^{(12)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(12)} + m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} \\
& - m_{010}^{(02)} m_{001}^{(20)} m_{200}^{(02)} + m_{010}^{(02)} m_{001}^{(20)} m_{101}^{(00)} + m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(01)} - m_{010}^{(02)} m_{010}^{(21)} m_{011}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(01)} - m_{010}^{(02)} m_{001}^{(11)} m_{011}^{(10)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(11)} m_{011}^{(00)} \\
& - m_{010}^{(02)} m_{010}^{(22)} m_{200}^{(01)} + m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(00)} - m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(01)} \\
& + m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(00)} - m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(00)} \\
& + m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(01)} - m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{020}^{(12)} + m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(00)} - m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(01)} + (m_{001}^{(01)})^2 m_{110}^{(12)} - (m_{001}^{(01)})^2 m_{101}^{(11)} \\
& + m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(10)} - m_{001}^{(01)} m_{001}^{(11)} m_{200}^{(12)} - m_{001}^{(01)} m_{001}^{(11)} m_{110}^{(02)} \\
& + m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(10)} - m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(11)} + m_{001}^{(01)} m_{001}^{(20)} m_{020}^{(10)} \\
& + m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(10)} - m_{001}^{(10)} m_{001}^{(11)} m_{110}^{(02)} + m_{001}^{(10)} m_{001}^{(11)} m_{011}^{(00)} \\
& + (m_{001}^{(11)})^2 m_{200}^{(02)} - (m_{001}^{(11)})^2 m_{101}^{(00)} + m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(01)} - m_{001}^{(11)} m_{001}^{(20)} m_{020}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(01)} + m_{001}^{(11)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

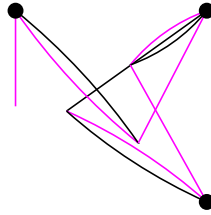
$$\begin{aligned}
P_{44}^{(3)} = & -m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{002}^{(21)} + m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{002}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{002}^{(21)} - m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(02)} + m_{100}^{(01)} m_{010}^{(22)} m_{002}^{(01)} \\
& - m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(12)} + m_{100}^{(01)} m_{001}^{(02)} m_{002}^{(11)} + m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(12)} m_{002}^{(01)} \\
& + m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(12)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(12)} + m_{100}^{(02)} m_{100}^{(22)} m_{011}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(02)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(02)} - m_{100}^{(02)} m_{010}^{(22)} m_{011}^{(01)} \\
& + m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(12)} - m_{100}^{(02)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(02)} + m_{100}^{(02)} m_{001}^{(12)} m_{011}^{(01)} \\
& + m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(22)} - m_{100}^{(11)} m_{100}^{(12)} m_{002}^{(20)} - m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(22)} m_{002}^{(10)} \\
& - m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{002}^{(20)} + m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{002}^{(00)}
\end{aligned}$$

$$\begin{aligned}
& +m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(12)} - m_{100}^{(11)} m_{001}^{(02)} m_{002}^{(10)} - m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(12)} m_{002}^{(00)} \\
& - (m_{100}^{(12)})^2 m_{110}^{(22)} + (m_{100}^{(12)})^2 m_{011}^{(20)} - m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(21)} + m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(20)} \\
& + m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(12)} + m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(12)} m_{100}^{(22)} m_{020}^{(20)} - m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(12)} m_{010}^{(00)} m_{002}^{(21)} + m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(02)} m_{011}^{(20)} \\
& - m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(12)} m_{010}^{(10)} m_{002}^{(20)} + m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(12)} m_{010}^{(12)} m_{101}^{(20)} \\
& + m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(21)} - m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(02)} \\
& + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(20)} + m_{100}^{(12)} m_{010}^{(22)} m_{011}^{(00)} - m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(21)} \\
& + m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(12)} m_{001}^{(01)} m_{101}^{(21)} - m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(12)} + m_{100}^{(12)} m_{001}^{(02)} m_{011}^{(10)} \\
& + m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(20)} - m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(20)} \\
& + m_{100}^{(12)} m_{001}^{(12)} m_{110}^{(02)} - m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(00)} - m_{100}^{(12)} m_{001}^{(12)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(20)} m_{020}^{(20)} \\
& + m_{100}^{(12)} m_{001}^{(21)} m_{200}^{(21)} - m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(20)} + m_{100}^{(21)} m_{100}^{(22)} m_{101}^{(11)} - m_{100}^{(21)} m_{100}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(21)} m_{010}^{(02)} m_{011}^{(20)} - m_{100}^{(21)} m_{010}^{(22)} m_{101}^{(01)} + m_{100}^{(21)} m_{010}^{(22)} m_{011}^{(00)} \\
& - m_{100}^{(21)} m_{001}^{(02)} m_{101}^{(11)} + m_{100}^{(21)} m_{001}^{(02)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(12)} m_{101}^{(01)} - m_{100}^{(21)} m_{001}^{(12)} m_{011}^{(00)} \\
& - (m_{100}^{(22)})^2 m_{110}^{(11)} + (m_{100}^{(22)})^2 m_{020}^{(10)} - m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(22)} m_{010}^{(00)} m_{002}^{(11)} \\
& + m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(12)} - m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(21)} - m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(02)} m_{020}^{(20)} \\
& + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(22)} m_{010}^{(10)} m_{002}^{(10)} - m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} \\
& - m_{100}^{(22)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(20)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(22)} m_{200}^{(11)} + m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(01)} \\
& - m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(22)} m_{020}^{(00)} + m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(12)} - m_{100}^{(22)} m_{001}^{(00)} m_{011}^{(11)} \\
& - m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(22)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(22)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(02)} m_{020}^{(10)} \\
& - m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(10)} + m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(12)} - m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} \\
& - m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(00)} + m_{100}^{(22)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(20)} m_{020}^{(20)} \\
& - m_{100}^{(22)} m_{001}^{(21)} m_{200}^{(11)} + m_{100}^{(22)} m_{001}^{(21)} m_{110}^{(10)} - m_{100}^{(00)} m_{010}^{(02)} m_{011}^{(22)} + m_{100}^{(00)} m_{010}^{(02)} m_{002}^{(21)} \\
& + m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(22)} m_{002}^{(01)} + m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{002}^{(11)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(01)} + (m_{010}^{(02)})^2 m_{110}^{(22)} - (m_{010}^{(02)})^2 m_{101}^{(21)} \\
& + m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(02)} m_{010}^{(10)} m_{002}^{(20)} - m_{010}^{(02)} m_{010}^{(12)} m_{200}^{(22)} + m_{010}^{(02)} m_{010}^{(12)} m_{101}^{(20)} \\
& - m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(21)} + m_{010}^{(02)} m_{010}^{(20)} m_{011}^{(21)} + m_{010}^{(02)} m_{010}^{(22)} m_{200}^{(21)} - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(02)} \\
& - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(20)} + m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(22)} - m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(21)} \\
& - m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(21)} - m_{010}^{(02)} m_{001}^{(02)} m_{110}^{(12)} + m_{010}^{(02)} m_{001}^{(02)} m_{101}^{(11)} \\
& - m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(20)} + m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(20)} \\
& + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(02)} - m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(20)} m_{110}^{(21)} - m_{010}^{(02)} m_{001}^{(20)} m_{020}^{(20)} \\
& - m_{010}^{(02)} m_{001}^{(21)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(21)} m_{110}^{(20)} - m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(02)} + m_{010}^{(02)} m_{010}^{(22)} m_{002}^{(00)} \\
& - m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(12)} + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(10)} + m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(12)} m_{002}^{(00)} \\
& + m_{010}^{(12)} m_{010}^{(22)} m_{020}^{(02)} - m_{010}^{(12)} m_{010}^{(22)} m_{001}^{(00)} + m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(12)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} \\
& - m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(02)} + m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(00)} + m_{010}^{(12)} m_{010}^{(22)} m_{101}^{(01)} - m_{010}^{(12)} m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{010}^{(20)} m_{001}^{(02)} m_{101}^{(11)} - m_{010}^{(20)} m_{001}^{(02)} m_{011}^{(10)} - m_{010}^{(20)} m_{001}^{(12)} m_{101}^{(01)} + m_{010}^{(20)} m_{001}^{(12)} m_{011}^{(00)} \\
& - (m_{010}^{(22)})^2 m_{200}^{(01)} + (m_{010}^{(22)})^2 m_{110}^{(00)} - m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(01)} \\
& + m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(01)} - m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(00)} - m_{010}^{(22)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(00)}
\end{aligned}$$

$$\begin{aligned}
& +m_{010}^{(22)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(12)} m_{110}^{(00)} - m_{010}^{(22)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(22)} m_{001}^{(20)} m_{020}^{(00)} \\
& +m_{010}^{(22)} m_{001}^{(21)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(12)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& +m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} + m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(02)} m_{101}^{(11)} \\
& -m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(01)} + m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(10)} \\
& -m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} - m_{001}^{(02)} m_{001}^{(20)} m_{110}^{(11)} + m_{001}^{(02)} m_{001}^{(20)} m_{020}^{(10)} \\
& +m_{001}^{(02)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(02)} m_{001}^{(21)} m_{110}^{(10)} - m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(02)} + m_{001}^{(10)} m_{001}^{(12)} m_{011}^{(00)} \\
& +m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(02)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} + m_{001}^{(12)} m_{001}^{(20)} m_{110}^{(01)} - m_{001}^{(12)} m_{001}^{(20)} m_{020}^{(00)} \\
& -m_{001}^{(12)} m_{001}^{(21)} m_{200}^{(01)} + m_{001}^{(12)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	V2	2	V1
	1	2	V3
V2	V3	3	A0



$$\begin{aligned}
P_{45}^{(1)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{110}^{(22)} + m_{100}^{(01)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{110}^{(12)} \\
& +m_{100}^{(01)} m_{010}^{(01)} m_{101}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{110}^{(22)} - m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(02)} + m_{100}^{(01)} m_{010}^{(22)} m_{110}^{(02)} \\
& -m_{100}^{(01)} m_{001}^{(01)} m_{101}^{(12)} + m_{100}^{(01)} m_{001}^{(02)} m_{110}^{(12)} + m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(02)} - m_{100}^{(01)} m_{001}^{(12)} m_{110}^{(02)} \\
& +m_{100}^{(02)} m_{100}^{(11)} m_{101}^{(21)} - m_{100}^{(02)} m_{100}^{(12)} m_{110}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{101}^{(11)} + m_{100}^{(02)} m_{100}^{(22)} m_{110}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(01)} m_{101}^{(21)} + m_{100}^{(02)} m_{010}^{(02)} m_{110}^{(21)} + m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(01)} - m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(01)} \\
& +m_{100}^{(02)} m_{001}^{(01)} m_{101}^{(11)} - m_{100}^{(02)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{101}^{(01)} + m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(01)} \\
& +m_{100}^{(10)} m_{100}^{(11)} m_{101}^{(22)} - m_{100}^{(10)} m_{100}^{(12)} m_{110}^{(21)} - m_{100}^{(10)} m_{100}^{(21)} m_{110}^{(22)} + m_{100}^{(10)} m_{100}^{(22)} m_{110}^{(21)} \\
& -m_{100}^{(10)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(12)} m_{110}^{(20)} + m_{100}^{(10)} m_{010}^{(20)} m_{110}^{(22)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(20)} \\
& +m_{100}^{(10)} m_{001}^{(10)} m_{101}^{(21)} - m_{100}^{(10)} m_{001}^{(11)} m_{110}^{(20)} - m_{100}^{(10)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(20)} \\
& -m_{100}^{(11)} m_{100}^{(12)} m_{200}^{(22)} - m_{100}^{(11)} m_{100}^{(20)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(21)} m_{200}^{(22)} + m_{100}^{(11)} m_{100}^{(22)} m_{200}^{(12)} \\
& -m_{100}^{(11)} m_{100}^{(22)} m_{200}^{(21)} + m_{100}^{(11)} m_{010}^{(11)} m_{200}^{(22)} - m_{100}^{(11)} m_{010}^{(12)} m_{101}^{(20)} - m_{100}^{(11)} m_{010}^{(20)} m_{200}^{(22)} \\
& +m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(02)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(20)} + m_{100}^{(11)} m_{001}^{(00)} m_{101}^{(12)} \\
& -m_{100}^{(11)} m_{001}^{(00)} m_{101}^{(21)} + m_{100}^{(11)} m_{001}^{(01)} m_{110}^{(20)} - m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(12)} - m_{100}^{(11)} m_{001}^{(10)} m_{101}^{(02)} \\
& +m_{100}^{(11)} m_{001}^{(12)} m_{200}^{(02)} + m_{100}^{(11)} m_{001}^{(20)} m_{200}^{(01)} - m_{100}^{(11)} m_{001}^{(20)} m_{200}^{(02)} + (m_{100}^{(12)})^2 m_{200}^{(21)} \\
& +m_{100}^{(12)} m_{100}^{(20)} m_{101}^{(11)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(11)} - m_{100}^{(12)} m_{010}^{(00)} m_{110}^{(22)} + m_{100}^{(12)} m_{010}^{(00)} m_{101}^{(21)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(12)} m_{010}^{(02)} m_{200}^{(21)} + m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(20)} + m_{100}^{(12)} m_{010}^{(10)} m_{200}^{(22)} - m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(20)} \\
& -m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(01)} + m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(01)} + m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(21)} - m_{100}^{(12)} m_{001}^{(00)} m_{101}^{(11)} \\
& -m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(20)} + m_{100}^{(12)} m_{001}^{(02)} m_{200}^{(11)} - m_{100}^{(12)} m_{001}^{(10)} m_{200}^{(21)} + m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(01)} \\
& + m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(20)} - m_{100}^{(12)} m_{001}^{(12)} m_{200}^{(01)} + m_{100}^{(12)} m_{100}^{(20)} m_{110}^{(12)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(11)} \\
& + m_{100}^{(20)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(10)} - m_{100}^{(20)} m_{010}^{(20)} m_{110}^{(12)} + m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(10)} \\
& - m_{100}^{(20)} m_{001}^{(10)} m_{101}^{(11)} + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(10)} + m_{100}^{(20)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(10)} \\
& - (m_{100}^{(21)})^2 m_{200}^{(12)} + m_{100}^{(21)} m_{100}^{(22)} m_{200}^{(11)} + m_{100}^{(21)} m_{010}^{(00)} m_{110}^{(22)} - m_{100}^{(21)} m_{010}^{(00)} m_{101}^{(12)} \\
& - m_{100}^{(21)} m_{010}^{(01)} m_{200}^{(22)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(10)} + m_{100}^{(21)} m_{010}^{(20)} m_{200}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(02)} \\
& + m_{100}^{(21)} m_{010}^{(21)} m_{200}^{(02)} - m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(10)} - m_{100}^{(21)} m_{001}^{(00)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(00)} m_{101}^{(11)} \\
& + m_{100}^{(21)} m_{001}^{(01)} m_{200}^{(12)} - m_{100}^{(21)} m_{001}^{(01)} m_{101}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(11)} m_{200}^{(02)} \\
& - m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(11)} + m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(10)} + m_{100}^{(22)} m_{010}^{(00)} m_{110}^{(12)} - m_{100}^{(22)} m_{010}^{(00)} m_{101}^{(21)} \\
& + m_{100}^{(22)} m_{010}^{(01)} m_{200}^{(12)} - m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(10)} m_{200}^{(22)} + m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(10)} \\
& + m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(01)} - m_{100}^{(22)} m_{010}^{(21)} m_{200}^{(01)} - m_{100}^{(22)} m_{001}^{(01)} m_{200}^{(11)} + m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(10)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{200}^{(11)} - m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(01)} - m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{101}^{(22)} + m_{010}^{(00)} m_{010}^{(02)} m_{110}^{(22)} + m_{010}^{(00)} m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(20)} \\
& - m_{010}^{(00)} m_{010}^{(20)} m_{110}^{(22)} + m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(02)} - m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(02)} + m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(20)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{101}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{110}^{(12)} - m_{010}^{(00)} m_{001}^{(10)} m_{101}^{(21)} - m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(02)} \\
& + m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(20)} + m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(02)} + m_{010}^{(00)} m_{001}^{(20)} m_{110}^{(21)} - m_{010}^{(00)} m_{001}^{(21)} m_{110}^{(10)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(20)} + m_{010}^{(01)} m_{010}^{(20)} m_{200}^{(22)} - m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(20)} + m_{010}^{(01)} m_{001}^{(00)} m_{101}^{(21)} \\
& - m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(20)} - m_{010}^{(01)} m_{001}^{(20)} m_{200}^{(21)} + m_{010}^{(01)} m_{001}^{(21)} m_{200}^{(20)} - (m_{010}^{(02)})^2 m_{110}^{(20)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{200}^{(22)} + m_{010}^{(02)} m_{010}^{(12)} m_{200}^{(20)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(00)} + m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(00)} m_{110}^{(21)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(20)} - m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(02)} m_{001}^{(02)} m_{110}^{(10)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{200}^{(21)} - m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(20)} + m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(00)} - m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(00)} \\
& - m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(02)} - m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(12)} + m_{010}^{(10)} m_{001}^{(02)} m_{200}^{(12)} \\
& + m_{010}^{(10)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(12)} m_{200}^{(02)} + m_{010}^{(12)} m_{010}^{(20)} m_{101}^{(00)} - m_{010}^{(12)} m_{010}^{(22)} m_{200}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(00)} + m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(00)} \\
& + (m_{010}^{(20)})^2 m_{110}^{(02)} - m_{010}^{(20)} m_{010}^{(21)} m_{200}^{(02)} - m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(00)} + m_{010}^{(20)} m_{001}^{(00)} m_{110}^{(12)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{200}^{(12)} - m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(02)} + m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(02)} \\
& - m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(00)} + m_{010}^{(21)} m_{010}^{(22)} m_{200}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(01)} + m_{010}^{(21)} m_{001}^{(01)} m_{101}^{(00)} + m_{010}^{(21)} m_{001}^{(20)} m_{101}^{(01)} - m_{010}^{(21)} m_{001}^{(21)} m_{200}^{(00)} \\
& + m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(10)} + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(10)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(11)} \\
& - m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(00)} - m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(11)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(11)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(11)} + m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(01)} - m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(10)} - m_{010}^{(22)} m_{001}^{(12)} m_{110}^{(01)} \\
& - m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(10)} + m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(10)} + (m_{001}^{(01)})^2 m_{101}^{(10)} - m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(00)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(00)} + m_{001}^{(01)} m_{001}^{(20)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(10)} \\
& - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(11)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(10)} - (m_{001}^{(10)})^2 m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(00)} \\
& + m_{001}^{(10)} m_{001}^{(12)} m_{200}^{(01)} + m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(01)} - m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(01)} + m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(00)}
\end{aligned}$$

$$P_{45}^{(2)} = -m_{100}^{(01)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{020}^{(22)} + m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{020}^{(12)}$$

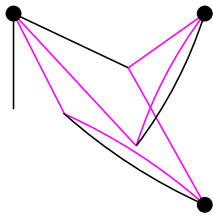
$$\begin{aligned}
& +m_{010}^{(10)} m_{001}^{(10)} m_{011}^{(02)} - m_{010}^{(10)} m_{001}^{(12)} m_{110}^{(02)} + m_{010}^{(12)} m_{010}^{(20)} m_{011}^{(00)} - m_{010}^{(12)} m_{010}^{(22)} m_{110}^{(00)} \\
& +m_{010}^{(12)} m_{001}^{(00)} m_{011}^{(10)} - m_{010}^{(12)} m_{001}^{(02)} m_{110}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{011}^{(00)} + m_{010}^{(12)} m_{001}^{(12)} m_{110}^{(00)} \\
& +(m_{010}^{(20)})^2 m_{020}^{(02)} - m_{010}^{(20)} m_{010}^{(21)} m_{110}^{(02)} - m_{010}^{(20)} m_{010}^{(22)} m_{020}^{(00)} + m_{010}^{(20)} m_{001}^{(00)} m_{020}^{(12)} \\
& -m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(12)} - m_{010}^{(20)} m_{001}^{(10)} m_{020}^{(02)} + m_{010}^{(20)} m_{001}^{(10)} m_{011}^{(01)} + m_{010}^{(20)} m_{001}^{(11)} m_{110}^{(02)} \\
& -m_{010}^{(20)} m_{001}^{(11)} m_{011}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{020}^{(01)} + m_{010}^{(20)} m_{001}^{(21)} m_{020}^{(00)} + m_{010}^{(21)} m_{010}^{(22)} m_{110}^{(00)} \\
& -m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(01)} + m_{010}^{(21)} m_{001}^{(01)} m_{011}^{(00)} + m_{010}^{(21)} m_{001}^{(20)} m_{110}^{(01)} - m_{010}^{(21)} m_{001}^{(21)} m_{110}^{(00)} \\
& +m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(01)} - m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(10)} + m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(10)} - m_{010}^{(22)} m_{001}^{(01)} m_{020}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(01)} + m_{010}^{(22)} m_{001}^{(10)} m_{020}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(11)} \\
& +m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(10)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(01)} \\
& -m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{020}^{(10)} + (m_{001}^{(01)})^2 m_{011}^{(10)} - m_{001}^{(01)} m_{001}^{(02)} m_{020}^{(10)} \\
& -m_{001}^{(01)} m_{001}^{(11)} m_{011}^{(00)} + m_{001}^{(01)} m_{001}^{(12)} m_{020}^{(00)} + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(01)} m_{001}^{(21)} m_{110}^{(10)} \\
& -m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(11)} + m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(10)} - (m_{001}^{(10)})^2 m_{011}^{(01)} + m_{001}^{(10)} m_{001}^{(11)} m_{011}^{(00)} \\
& +m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(01)} + m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(01)} - m_{001}^{(10)} m_{001}^{(21)} m_{020}^{(00)} - m_{001}^{(11)} m_{001}^{(12)} m_{110}^{(00)} \\
& -m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(01)} + m_{001}^{(11)} m_{001}^{(21)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{45}^{(3)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(12)} \\
& +m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(02)} + m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(02)} \\
& -m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(12)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(12)} + m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(02)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(02)} \\
& +m_{100}^{(02)} m_{100}^{(11)} m_{002}^{(21)} - m_{100}^{(02)} m_{100}^{(12)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{002}^{(11)} + m_{100}^{(02)} m_{100}^{(22)} m_{011}^{(11)} \\
& -m_{100}^{(02)} m_{010}^{(01)} m_{002}^{(21)} + m_{100}^{(02)} m_{010}^{(02)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(21)} m_{002}^{(01)} - m_{100}^{(02)} m_{010}^{(22)} m_{011}^{(01)} \\
& +m_{100}^{(02)} m_{001}^{(01)} m_{002}^{(11)} - m_{100}^{(02)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{002}^{(01)} + m_{100}^{(02)} m_{001}^{(12)} m_{011}^{(01)} \\
& +m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(22)} - m_{100}^{(10)} m_{100}^{(12)} m_{011}^{(22)} - m_{100}^{(10)} m_{100}^{(21)} m_{002}^{(11)} + m_{100}^{(10)} m_{100}^{(22)} m_{011}^{(11)} \\
& -m_{100}^{(10)} m_{010}^{(10)} m_{002}^{(22)} + m_{100}^{(10)} m_{010}^{(12)} m_{002}^{(20)} + m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(20)} \\
& +m_{100}^{(10)} m_{001}^{(10)} m_{002}^{(21)} - m_{100}^{(10)} m_{001}^{(11)} m_{002}^{(20)} - m_{100}^{(10)} m_{001}^{(20)} m_{011}^{(21)} + m_{100}^{(10)} m_{001}^{(21)} m_{011}^{(20)} \\
& -m_{100}^{(11)} m_{100}^{(12)} m_{011}^{(22)} - m_{100}^{(11)} m_{100}^{(20)} m_{002}^{(12)} + m_{100}^{(11)} m_{100}^{(21)} m_{011}^{(22)} + m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(12)} \\
& -m_{100}^{(11)} m_{010}^{(22)} m_{011}^{(21)} + m_{100}^{(11)} m_{010}^{(02)} m_{002}^{(22)} - m_{100}^{(11)} m_{010}^{(02)} m_{002}^{(20)} - m_{100}^{(11)} m_{010}^{(20)} m_{011}^{(22)} \\
& +m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{011}^{(02)} + m_{100}^{(11)} m_{010}^{(21)} m_{011}^{(20)} + m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(12)} \\
& -m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(21)} + m_{100}^{(11)} m_{001}^{(01)} m_{002}^{(20)} - m_{100}^{(11)} m_{001}^{(02)} m_{011}^{(12)} - m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(02)} \\
& +m_{100}^{(11)} m_{001}^{(12)} m_{011}^{(02)} + m_{100}^{(11)} m_{001}^{(20)} m_{011}^{(21)} - m_{100}^{(11)} m_{001}^{(21)} m_{011}^{(20)} + (m_{100}^{(12)})^2 m_{011}^{(21)} \\
& +m_{100}^{(12)} m_{100}^{(20)} m_{002}^{(11)} - m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(11)} - m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(22)} + m_{100}^{(12)} m_{010}^{(00)} m_{002}^{(21)} \\
& -m_{100}^{(12)} m_{010}^{(02)} m_{011}^{(21)} + m_{100}^{(12)} m_{010}^{(02)} m_{020}^{(20)} + m_{100}^{(12)} m_{010}^{(10)} m_{011}^{(22)} - m_{100}^{(12)} m_{010}^{(12)} m_{011}^{(20)} \\
& -m_{100}^{(12)} m_{010}^{(20)} m_{002}^{(01)} + m_{100}^{(12)} m_{010}^{(22)} m_{011}^{(01)} + m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(21)} - m_{100}^{(12)} m_{001}^{(00)} m_{002}^{(11)} \\
& -m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(20)} + m_{100}^{(12)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(12)} m_{001}^{(12)} m_{002}^{(01)} \\
& +m_{100}^{(12)} m_{001}^{(11)} m_{011}^{(20)} - m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(01)} + m_{100}^{(12)} m_{001}^{(21)} m_{011}^{(12)} - m_{100}^{(12)} m_{001}^{(22)} m_{011}^{(11)} \\
& +m_{100}^{(20)} m_{010}^{(10)} m_{002}^{(12)} - m_{100}^{(20)} m_{010}^{(12)} m_{002}^{(10)} - m_{100}^{(20)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(20)} m_{010}^{(22)} m_{011}^{(10)} \\
& -m_{100}^{(20)} m_{001}^{(10)} m_{002}^{(11)} + m_{100}^{(20)} m_{001}^{(11)} m_{002}^{(10)} + m_{100}^{(20)} m_{001}^{(11)} m_{011}^{(11)} - m_{100}^{(20)} m_{001}^{(11)} m_{011}^{(10)} \\
& -(m_{100}^{(21)})^2 m_{011}^{(12)} + m_{100}^{(21)} m_{100}^{(22)} m_{011}^{(11)} + m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(12)} \\
& -m_{100}^{(21)} m_{010}^{(01)} m_{011}^{(22)} + m_{100}^{(21)} m_{010}^{(02)} m_{002}^{(10)} + m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(10)} \\
& +m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(01)} - m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(02)} - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(12)} + m_{100}^{(21)} m_{001}^{(00)} m_{002}^{(11)} \\
& +m_{100}^{(21)} m_{001}^{(01)} m_{011}^{(12)} - m_{100}^{(21)} m_{001}^{(01)} m_{002}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(02)} - m_{100}^{(21)} m_{001}^{(11)} m_{011}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(21)} m_{001}^{(20)} m_{101}^{(11)} + m_{100}^{(21)} m_{001}^{(21)} m_{101}^{(10)} + m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(12)} - m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(21)} \\
& + m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(21)} - m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(10)} - m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(12)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} \\
& + m_{100}^{(22)} m_{010}^{(20)} m_{011}^{(01)} - m_{100}^{(22)} m_{010}^{(21)} m_{101}^{(01)} - m_{100}^{(22)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(10)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{101}^{(11)} - m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(01)} + m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(22)} + m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(10)} m_{002}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{002}^{(20)} \\
& - m_{010}^{(00)} m_{010}^{(20)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(21)} m_{002}^{(02)} - m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(02)} + m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(20)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(10)} m_{002}^{(21)} - m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(02)} \\
& + m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(20)} + m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(02)} + m_{010}^{(00)} m_{001}^{(20)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(21)} m_{011}^{(20)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{002}^{(20)} + m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(22)} - m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(20)} + m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(21)} \\
& - m_{010}^{(01)} m_{001}^{(01)} m_{002}^{(20)} - m_{010}^{(01)} m_{001}^{(20)} m_{101}^{(21)} + m_{010}^{(01)} m_{001}^{(21)} m_{101}^{(20)} - (m_{010}^{(02)})^2 m_{011}^{(20)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(22)} + m_{010}^{(02)} m_{010}^{(12)} m_{101}^{(20)} - m_{010}^{(02)} m_{010}^{(21)} m_{002}^{(00)} + m_{010}^{(02)} m_{010}^{(22)} m_{002}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(21)} + m_{010}^{(02)} m_{001}^{(01)} m_{011}^{(20)} - m_{010}^{(02)} m_{001}^{(01)} m_{002}^{(10)} + m_{010}^{(02)} m_{001}^{(02)} m_{011}^{(10)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(21)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(20)} + m_{010}^{(02)} m_{001}^{(11)} m_{002}^{(00)} - m_{010}^{(02)} m_{001}^{(12)} m_{011}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(20)} m_{011}^{(20)} + m_{010}^{(02)} m_{001}^{(21)} m_{011}^{(20)} - m_{010}^{(02)} m_{001}^{(21)} m_{002}^{(10)} + m_{010}^{(02)} m_{001}^{(22)} m_{011}^{(10)} \\
& + m_{010}^{(02)} m_{001}^{(22)} m_{011}^{(00)} - m_{010}^{(02)} m_{001}^{(22)} m_{101}^{(20)} - (m_{010}^{(02)})^2 m_{011}^{(02)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(20)} - m_{010}^{(02)} m_{010}^{(22)} m_{011}^{(00)} + m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(12)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(12)} - m_{010}^{(20)} m_{001}^{(10)} m_{011}^{(02)} + m_{010}^{(20)} m_{001}^{(10)} m_{002}^{(01)} + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(01)} \\
& - m_{010}^{(20)} m_{001}^{(11)} m_{002}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{011}^{(01)} + m_{010}^{(20)} m_{001}^{(21)} m_{011}^{(00)} + m_{010}^{(20)} m_{001}^{(22)} m_{101}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{002}^{(01)} + m_{010}^{(21)} m_{001}^{(01)} m_{002}^{(00)} + m_{010}^{(21)} m_{001}^{(20)} m_{101}^{(01)} - m_{010}^{(21)} m_{001}^{(21)} m_{101}^{(00)} \\
& + m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(01)} - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(10)} + m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} - m_{010}^{(22)} m_{001}^{(01)} m_{011}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{002}^{(11)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(10)} m_{002}^{(00)} + m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(00)} - m_{001}^{(00)} m_{001}^{(11)} m_{002}^{(00)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} \\
& - m_{001}^{(00)} m_{001}^{(20)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{011}^{(10)} + (m_{001}^{(01)})^2 m_{002}^{(10)} - m_{001}^{(01)} m_{001}^{(02)} m_{011}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(11)} m_{002}^{(00)} + m_{001}^{(01)} m_{001}^{(12)} m_{002}^{(00)} + m_{001}^{(01)} m_{001}^{(20)} m_{101}^{(11)} - m_{001}^{(01)} m_{001}^{(21)} m_{101}^{(10)} \\
& - m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(01)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(00)} - (m_{001}^{(10)})^2 m_{002}^{(01)} + m_{001}^{(10)} m_{001}^{(11)} m_{002}^{(00)} \\
& + m_{001}^{(10)} m_{001}^{(12)} m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(20)} m_{011}^{(01)} - m_{001}^{(10)} m_{001}^{(21)} m_{011}^{(00)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(20)} m_{101}^{(01)} + m_{001}^{(11)} m_{001}^{(21)} m_{101}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V1 & 1 \\
V2 & V2 & V3 & A0 \\
& 2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{46}^{(1)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{101}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{101}^{(21)} + m_{100}^{(01)} m_{100}^{(21)} m_{101}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{101}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{101}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(01)} m_{010}^{(21)} m_{101}^{(02)} + m_{100}^{(01)} m_{010}^{(22)} m_{101}^{(01)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{101}^{(12)} + m_{100}^{(01)} m_{001}^{(02)} m_{101}^{(11)} + m_{100}^{(01)} m_{001}^{(11)} m_{101}^{(02)} - m_{100}^{(01)} m_{001}^{(12)} m_{101}^{(01)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{110}^{(22)} - m_{100}^{(02)} m_{100}^{(12)} m_{110}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{110}^{(12)} + m_{100}^{(02)} m_{100}^{(22)} m_{110}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{110}^{(22)} + m_{100}^{(02)} m_{010}^{(02)} m_{110}^{(21)} + m_{100}^{(02)} m_{010}^{(21)} m_{110}^{(02)} - m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(01)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{110}^{(12)} - m_{100}^{(02)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{110}^{(02)} + m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(01)} \\
& + m_{100}^{(10)} m_{100}^{(11)} m_{101}^{(22)} - m_{100}^{(10)} m_{100}^{(12)} m_{101}^{(21)} - m_{100}^{(10)} m_{100}^{(21)} m_{101}^{(02)} + m_{100}^{(10)} m_{100}^{(22)} m_{101}^{(01)} \\
& - m_{100}^{(10)} m_{010}^{(10)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(12)} m_{200}^{(22)} + m_{100}^{(10)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(10)} m_{010}^{(22)} m_{200}^{(21)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(11)} m_{200}^{(22)} - m_{100}^{(10)} m_{001}^{(20)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(22)} m_{200}^{(21)} \\
& - m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(20)} - m_{100}^{(11)} m_{100}^{(20)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(02)} - m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(01)} \\
& + m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(01)} - m_{100}^{(11)} m_{010}^{(02)} m_{200}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(20)} + m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(02)} \\
& - m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(02)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(00)} - m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(00)} - m_{100}^{(11)} m_{001}^{(11)} m_{110}^{(02)} \\
& + m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(20)} m_{200}^{(00)} - m_{100}^{(11)} m_{001}^{(20)} m_{101}^{(10)} - m_{100}^{(11)} m_{001}^{(20)} m_{101}^{(02)} \\
& + m_{100}^{(11)} m_{001}^{(20)} m_{101}^{(00)} + m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(00)} - m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(00)} + (m_{100}^{(12)})^2 m_{110}^{(20)} \\
& + m_{100}^{(12)} m_{100}^{(20)} m_{110}^{(12)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(10)} + m_{100}^{(12)} m_{010}^{(00)} m_{110}^{(22)} - m_{100}^{(12)} m_{010}^{(00)} m_{101}^{(21)} \\
& + m_{100}^{(12)} m_{010}^{(02)} m_{200}^{(21)} - m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(20)} + m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(20)} - m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(20)} \\
& - m_{100}^{(12)} m_{010}^{(20)} m_{110}^{(02)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(00)} - m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(12)} + m_{100}^{(12)} m_{001}^{(00)} m_{110}^{(10)} \\
& - m_{100}^{(12)} m_{001}^{(01)} m_{200}^{(10)} + m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(10)} + m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(02)} - m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(01)} \\
& + m_{100}^{(12)} m_{001}^{(20)} m_{200}^{(00)} - m_{100}^{(12)} m_{001}^{(20)} m_{110}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(11)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(11)} \\
& + m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(12)} - m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(12)} - m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(11)} + m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(20)} m_{001}^{(11)} m_{200}^{(12)} + m_{100}^{(20)} m_{001}^{(20)} m_{110}^{(11)} - m_{100}^{(20)} m_{001}^{(21)} m_{200}^{(11)} \\
& - (m_{100}^{(21)})^2 m_{101}^{(10)} + m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(10)} - m_{100}^{(21)} m_{010}^{(00)} m_{101}^{(12)} + m_{100}^{(21)} m_{010}^{(00)} m_{101}^{(21)} \\
& - m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(12)} + m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(12)} - m_{100}^{(21)} m_{010}^{(22)} m_{101}^{(01)} + m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(01)} \\
& + m_{100}^{(21)} m_{010}^{(21)} m_{101}^{(00)} - m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(10)} + m_{100}^{(21)} m_{001}^{(00)} m_{110}^{(12)} - m_{100}^{(21)} m_{001}^{(00)} m_{101}^{(11)} \\
& - m_{100}^{(21)} m_{001}^{(01)} m_{200}^{(10)} + m_{100}^{(21)} m_{001}^{(01)} m_{101}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{101}^{(01)} - m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(00)} \\
& - m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{200}^{(00)} - m_{100}^{(21)} m_{010}^{(00)} m_{110}^{(22)} + m_{100}^{(21)} m_{010}^{(00)} m_{101}^{(11)} \\
& + m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(20)} - m_{100}^{(22)} m_{010}^{(11)} m_{200}^{(11)} - m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(10)} + m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(10)} \\
& + m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(01)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(00)} + m_{100}^{(22)} m_{001}^{(01)} m_{200}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(10)} \\
& - m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(10)} - m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(10)} + m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{101}^{(22)} + m_{010}^{(00)} m_{010}^{(02)} m_{101}^{(21)} + m_{010}^{(00)} m_{010}^{(10)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{200}^{(22)} \\
& - m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(02)} + m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(02)} + m_{010}^{(00)} m_{010}^{(22)} m_{200}^{(21)} - m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(01)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{101}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{101}^{(11)} - m_{010}^{(00)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(11)} m_{200}^{(22)} \\
& - m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(02)} + m_{010}^{(00)} m_{001}^{(12)} m_{101}^{(01)} + m_{010}^{(00)} m_{001}^{(20)} m_{21}^{(21)} - m_{010}^{(00)} m_{001}^{(21)} m_{200}^{(21)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{200}^{(22)} + m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(20)} - m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(01)} + m_{010}^{(01)} m_{001}^{(00)} m_{110}^{(22)} \\
& - m_{010}^{(01)} m_{001}^{(01)} m_{200}^{(22)} - m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(20)} + m_{010}^{(01)} m_{001}^{(21)} m_{200}^{(20)} - (m_{010}^{(02)})^2 m_{200}^{(21)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(12)} m_{200}^{(20)} - m_{010}^{(02)} m_{010}^{(21)} m_{200}^{(02)} + m_{010}^{(02)} m_{010}^{(22)} m_{200}^{(01)} \\
& - m_{010}^{(02)} m_{001}^{(00)} m_{110}^{(12)} - m_{010}^{(02)} m_{001}^{(01)} m_{200}^{(12)} + m_{010}^{(02)} m_{001}^{(01)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(02)} m_{200}^{(11)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(20)} + m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(02)} - m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(01)} - m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& -m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{101}^{(12)} + m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(00)} + m_{010}^{(12)} m_{010}^{(20)} m_{200}^{(02)} - m_{010}^{(12)} m_{010}^{(22)} m_{200}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{200}^{(12)} - m_{010}^{(12)} m_{001}^{(02)} m_{200}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{200}^{(02)} + m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(00)} \\
& + (m_{010}^{(20)})^2 m_{101}^{(01)} - m_{010}^{(20)} m_{010}^{(21)} m_{101}^{(00)} - m_{010}^{(20)} m_{010}^{(22)} m_{200}^{(01)} + m_{010}^{(20)} m_{001}^{(00)} m_{101}^{(11)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(01)} - m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(02)} \\
& + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{110}^{(01)} + m_{010}^{(20)} m_{001}^{(21)} m_{200}^{(01)} + m_{010}^{(21)} m_{010}^{(22)} m_{200}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{110}^{(02)} + m_{010}^{(21)} m_{001}^{(01)} m_{200}^{(00)} + m_{010}^{(21)} m_{001}^{(20)} m_{110}^{(00)} - m_{010}^{(21)} m_{001}^{(21)} m_{200}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(00)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(01)} - m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(01)} + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{110}^{(12)} + m_{001}^{(00)} m_{001}^{(02)} m_{110}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(00)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(00)} m_{001}^{(11)} m_{110}^{(02)} - m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(01)} \\
& - m_{001}^{(00)} m_{001}^{(20)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{200}^{(11)} + (m_{001}^{(01)})^2 m_{200}^{(12)} - m_{001}^{(01)} m_{001}^{(02)} m_{200}^{(11)} \\
& - m_{001}^{(01)} m_{001}^{(02)} m_{200}^{(01)} + m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(01)} + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(10)} \\
& - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(10)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(10)} - (m_{001}^{(10)})^2 m_{110}^{(02)} + m_{001}^{(10)} m_{001}^{(11)} m_{200}^{(02)} \\
& + m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(00)} + m_{001}^{(10)} m_{001}^{(20)} m_{110}^{(01)} - m_{001}^{(10)} m_{001}^{(21)} m_{200}^{(01)} - m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(00)} + m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(00)}
\end{aligned}$$

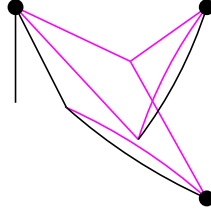
$$\begin{aligned}
P_{46}^{(2)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(21)} + m_{100}^{(01)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(21)} - m_{100}^{(01)} m_{010}^{(21)} m_{011}^{(02)} + m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(01)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{011}^{(12)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(11)} + m_{100}^{(01)} m_{001}^{(11)} m_{011}^{(02)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(01)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{020}^{(12)} + m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(21)} + m_{100}^{(02)} m_{010}^{(21)} m_{020}^{(02)} - m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(01)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{020}^{(12)} - m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{020}^{(02)} + m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(01)} \\
& + m_{100}^{(10)} m_{100}^{(11)} m_{011}^{(22)} - m_{100}^{(10)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(21)} + m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(21)} \\
& - m_{100}^{(10)} m_{010}^{(10)} m_{011}^{(22)} + m_{100}^{(10)} m_{010}^{(12)} m_{110}^{(22)} + m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(21)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(21)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{020}^{(22)} - m_{100}^{(10)} m_{001}^{(11)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(20)} m_{020}^{(21)} + m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(21)} \\
& - m_{100}^{(11)} m_{100}^{(12)} m_{011}^{(20)} - m_{100}^{(11)} m_{100}^{(20)} m_{011}^{(12)} + m_{100}^{(11)} m_{100}^{(21)} m_{011}^{(02)} - m_{100}^{(11)} m_{100}^{(22)} m_{020}^{(20)} \\
& + m_{100}^{(11)} m_{100}^{(22)} m_{011}^{(10)} - m_{100}^{(11)} m_{010}^{(11)} m_{110}^{(22)} + m_{100}^{(11)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(11)} m_{010}^{(20)} m_{011}^{(02)} \\
& - m_{100}^{(11)} m_{010}^{(20)} m_{011}^{(00)} + m_{100}^{(11)} m_{010}^{(21)} m_{110}^{(20)} - m_{100}^{(11)} m_{010}^{(22)} m_{011}^{(00)} - m_{100}^{(11)} m_{001}^{(00)} m_{020}^{(22)} \\
& + m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(12)} + m_{100}^{(11)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(02)} m_{011}^{(10)} - m_{100}^{(11)} m_{001}^{(10)} m_{011}^{(02)} \\
& + m_{100}^{(11)} m_{001}^{(12)} m_{011}^{(00)} + m_{100}^{(11)} m_{001}^{(20)} m_{020}^{(20)} - m_{100}^{(11)} m_{001}^{(21)} m_{110}^{(20)} + (m_{100}^{(12)})^2 m_{020}^{(20)} \\
& + m_{100}^{(12)} m_{100}^{(20)} m_{020}^{(12)} - m_{100}^{(12)} m_{100}^{(22)} m_{020}^{(10)} + m_{100}^{(12)} m_{010}^{(00)} m_{020}^{(22)} - m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(21)} \\
& + m_{100}^{(12)} m_{010}^{(02)} m_{110}^{(21)} - m_{100}^{(12)} m_{010}^{(02)} m_{020}^{(20)} + m_{100}^{(12)} m_{010}^{(10)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(12)} m_{110}^{(20)} \\
& - m_{100}^{(12)} m_{010}^{(20)} m_{020}^{(02)} + m_{100}^{(12)} m_{010}^{(22)} m_{020}^{(00)} - m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(12)} + m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(11)} \\
& - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(02)} m_{020}^{(10)} + m_{100}^{(12)} m_{001}^{(10)} m_{020}^{(02)} - m_{100}^{(12)} m_{001}^{(10)} m_{020}^{(01)} \\
& + m_{100}^{(12)} m_{001}^{(11)} m_{110}^{(20)} - m_{100}^{(12)} m_{001}^{(12)} m_{020}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(11)} - m_{100}^{(12)} m_{100}^{(22)} m_{020}^{(11)} \\
& + m_{100}^{(12)} m_{010}^{(10)} m_{011}^{(12)} - m_{100}^{(12)} m_{010}^{(12)} m_{110}^{(20)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(11)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(10)} m_{020}^{(12)} + m_{100}^{(20)} m_{001}^{(11)} m_{110}^{(12)} + m_{100}^{(20)} m_{001}^{(20)} m_{020}^{(11)} - m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(11)} \\
& - (m_{100}^{(21)})^2 m_{011}^{(10)} + m_{100}^{(21)} m_{100}^{(22)} m_{020}^{(10)} - m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(11)} \\
& - m_{100}^{(21)} m_{010}^{(01)} m_{011}^{(20)} + m_{100}^{(21)} m_{010}^{(02)} m_{110}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(00)} \\
& + m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(00)} - m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(10)} + m_{100}^{(21)} m_{001}^{(00)} m_{020}^{(12)} - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +m_{100}^{(11)} m_{100}^{(22)} m_{002}^{(10)} - m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{002}^{(20)} + m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(02)} \\
& - m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(20)} + m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(20)} - m_{100}^{(11)} m_{010}^{(22)} m_{002}^{(00)} - m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(22)} \\
& + m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(12)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(22)} - m_{100}^{(11)} m_{001}^{(02)} m_{002}^{(10)} - m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(02)} \\
& + m_{100}^{(11)} m_{001}^{(12)} m_{002}^{(00)} + m_{100}^{(11)} m_{001}^{(20)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(21)} m_{101}^{(20)} + (m_{100}^{(12)})^2 m_{011}^{(20)} \\
& + m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(12)} - m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(10)} + m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(12)} m_{010}^{(00)} m_{002}^{(21)} \\
& + m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(02)} m_{011}^{(20)} + m_{100}^{(12)} m_{010}^{(10)} m_{002}^{(20)} - m_{100}^{(12)} m_{010}^{(12)} m_{002}^{(20)} \\
& - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(12)} m_{010}^{(22)} m_{011}^{(00)} - m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(12)} + m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(21)} \\
& - m_{100}^{(12)} m_{001}^{(01)} m_{101}^{(21)} + m_{100}^{(12)} m_{001}^{(02)} m_{011}^{(10)} + m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(02)} - m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(20)} \\
& + m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(20)} - m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(00)} + m_{100}^{(12)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(20)} m_{010}^{(10)} m_{002}^{(12)} - m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(12)} - m_{100}^{(20)} m_{010}^{(20)} m_{002}^{(11)} + m_{100}^{(20)} m_{010}^{(22)} m_{101}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(12)} + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(12)} + m_{100}^{(20)} m_{001}^{(20)} m_{011}^{(11)} - m_{100}^{(20)} m_{001}^{(21)} m_{101}^{(11)} \\
& - (m_{100}^{(21)})^2 m_{002}^{(10)} + m_{100}^{(21)} m_{100}^{(22)} m_{011}^{(10)} - m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(12)} + m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(21)} \\
& - m_{100}^{(21)} m_{010}^{(01)} m_{002}^{(20)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{002}^{(01)} + m_{100}^{(21)} m_{010}^{(20)} m_{002}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(21)} m_{002}^{(00)} - m_{100}^{(21)} m_{010}^{(22)} m_{101}^{(10)} + m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(12)} - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(21)} \\
& - m_{100}^{(21)} m_{001}^{(01)} m_{101}^{(10)} + m_{100}^{(21)} m_{001}^{(02)} m_{002}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{002}^{(01)} - m_{100}^{(21)} m_{001}^{(10)} m_{002}^{(00)} \\
& - m_{100}^{(21)} m_{001}^{(20)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(21)} m_{101}^{(10)} - m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(21)} + m_{100}^{(22)} m_{010}^{(00)} m_{002}^{(11)} \\
& + m_{100}^{(22)} m_{010}^{(01)} m_{011}^{(20)} - m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)} - m_{100}^{(22)} m_{010}^{(10)} m_{002}^{(10)} + m_{100}^{(22)} m_{010}^{(12)} m_{101}^{(10)} \\
& + m_{100}^{(22)} m_{010}^{(21)} m_{011}^{(00)} + m_{100}^{(22)} m_{001}^{(01)} m_{101}^{(10)} - m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(20)} \\
& - m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(10)} + m_{100}^{(22)} m_{001}^{(10)} m_{011}^{(00)} - m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} + m_{100}^{(22)} m_{001}^{(11)} m_{011}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(22)} + m_{010}^{(00)} m_{010}^{(02)} m_{002}^{(21)} + m_{010}^{(00)} m_{010}^{(10)} m_{002}^{(22)} - m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(02)} \\
& - m_{010}^{(00)} m_{010}^{(20)} m_{002}^{(21)} + m_{010}^{(00)} m_{010}^{(21)} m_{002}^{(02)} + m_{010}^{(00)} m_{010}^{(22)} m_{101}^{(21)} - m_{010}^{(00)} m_{010}^{(22)} m_{002}^{(01)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(10)} m_{011}^{(22)} + m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(22)} \\
& - m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(02)} + m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(01)} + m_{010}^{(00)} m_{001}^{(20)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(21)} m_{101}^{(21)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(22)} + m_{010}^{(01)} m_{010}^{(20)} m_{002}^{(20)} - m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(20)} + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(22)} \\
& - m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(22)} - m_{010}^{(01)} m_{001}^{(02)} m_{011}^{(20)} + m_{010}^{(01)} m_{001}^{(10)} m_{101}^{(20)} - (m_{010}^{(02)})^2 m_{101}^{(21)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{002}^{(20)} + m_{010}^{(02)} m_{010}^{(12)} m_{101}^{(20)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(01)} \\
& - m_{010}^{(02)} m_{001}^{(01)} m_{011}^{(12)} - m_{010}^{(02)} m_{001}^{(02)} m_{101}^{(12)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(21)} + m_{010}^{(02)} m_{001}^{(02)} m_{101}^{(11)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(02)} + m_{010}^{(02)} m_{001}^{(11)} m_{011}^{(02)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(20)} - m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} \\
& - m_{010}^{(10)} m_{010}^{(20)} m_{002}^{(02)} + m_{010}^{(10)} m_{010}^{(22)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(12)} + m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(12)} m_{002}^{(00)} + m_{010}^{(12)} m_{010}^{(20)} m_{002}^{(02)} - m_{010}^{(12)} m_{010}^{(22)} m_{101}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(10)} + m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(00)} \\
& + (m_{010}^{(20)})^2 m_{002}^{(01)} - m_{010}^{(20)} m_{010}^{(21)} m_{002}^{(00)} - m_{010}^{(20)} m_{010}^{(22)} m_{101}^{(01)} + m_{010}^{(20)} m_{001}^{(00)} m_{002}^{(11)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{002}^{(10)} + m_{010}^{(20)} m_{001}^{(10)} m_{011}^{(02)} - m_{010}^{(20)} m_{001}^{(10)} m_{002}^{(01)} - m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(02)} \\
& + m_{010}^{(20)} m_{001}^{(20)} m_{002}^{(00)} - m_{010}^{(20)} m_{001}^{(20)} m_{011}^{(01)} + m_{010}^{(20)} m_{001}^{(21)} m_{101}^{(01)} + m_{010}^{(20)} m_{010}^{(22)} m_{101}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(02)} + m_{010}^{(21)} m_{001}^{(01)} m_{011}^{(02)} + m_{010}^{(21)} m_{001}^{(20)} m_{002}^{(00)} - m_{010}^{(21)} m_{001}^{(21)} m_{101}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(10)} - m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(01)} m_{101}^{(10)} \\
& - m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(12)} - m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(01)} + m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(00)} - m_{010}^{(22)} m_{001}^{(10)} m_{011}^{(00)} - m_{010}^{(22)} m_{001}^{(01)} m_{011}^{(12)} + m_{010}^{(22)} m_{001}^{(02)} m_{011}^{(11)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(00)} - m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(12)} + m_{010}^{(22)} m_{001}^{(11)} m_{011}^{(12)} + m_{010}^{(22)} m_{001}^{(12)} m_{011}^{(01)} \\
& + m_{010}^{(22)} m_{001}^{(12)} m_{101}^{(00)} - m_{010}^{(22)} m_{001}^{(12)} m_{101}^{(10)} + m_{010}^{(22)} m_{001}^{(12)} m_{101}^{(01)} - m_{010}^{(22)} m_{001}^{(12)} m_{011}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& -m_{001}^{(00)} m_{001}^{(20)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{101}^{(11)} + (m_{001}^{(01)})^2 m_{101}^{(12)} - m_{001}^{(01)} m_{001}^{(02)} m_{101}^{(11)} \\
& -m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(02)} + m_{001}^{(01)} m_{001}^{(12)} m_{101}^{(01)} + m_{001}^{(01)} m_{001}^{(20)} m_{011}^{(10)} - m_{001}^{(01)} m_{001}^{(21)} m_{101}^{(10)} \\
& -m_{001}^{(02)} m_{001}^{(10)} m_{011}^{(10)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} - (m_{001}^{(10)})^2 m_{011}^{(02)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(02)} \\
& + m_{001}^{(10)} m_{001}^{(12)} m_{011}^{(00)} + m_{001}^{(10)} m_{001}^{(20)} m_{011}^{(01)} - m_{001}^{(10)} m_{001}^{(21)} m_{101}^{(01)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} \\
& -m_{001}^{(11)} m_{001}^{(20)} m_{011}^{(00)} + m_{001}^{(11)} m_{001}^{(21)} m_{101}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 1 & 1 \\
V2 & V2 & V3 & A0 \\
& 2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{47}^{(1)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(20)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(20)} + m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(10)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(10)} \\
& + m_{100}^{(01)} m_{100}^{(01)} m_{002}^{(20)} - m_{100}^{(01)} m_{100}^{(02)} m_{011}^{(20)} - m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(00)} + m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(00)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(10)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(10)} + m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(00)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(00)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(20)} - m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(20)} - m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(10)} + m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(10)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(20)} + m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(20)} + m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(00)} - m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(00)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{011}^{(10)} - m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(10)} - m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(00)} + m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(00)} \\
& + m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(20)} - m_{100}^{(10)} m_{100}^{(12)} m_{011}^{(20)} - m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(20)} + m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(20)} \\
& - m_{100}^{(10)} m_{010}^{(10)} m_{002}^{(20)} + m_{100}^{(10)} m_{010}^{(12)} m_{011}^{(20)} + m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(20)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(20)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{011}^{(20)} - m_{100}^{(10)} m_{001}^{(11)} m_{101}^{(20)} - m_{100}^{(10)} m_{001}^{(20)} m_{020}^{(20)} + m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(20)} \\
& - m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(20)} - m_{100}^{(11)} m_{100}^{(20)} m_{002}^{(10)} + m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(20)} - m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(20)} \\
& + m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(10)} - m_{100}^{(11)} m_{010}^{(11)} m_{101}^{(20)} + m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(10)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(10)} \\
& - m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(00)} - m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(20)} + m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(10)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(20)} \\
& - m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(10)} - m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(00)} + m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(00)} + m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(20)} \\
& - m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(20)} + (m_{100}^{(12)})^2 m_{110}^{(20)} + m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(10)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(10)} \\
& + m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(20)} - m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(20)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(00)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(00)} \\
& + m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(20)} - m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(10)} - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(20)} + m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(10)} \\
& - m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(20)} + m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(00)} + m_{100}^{(12)} m_{001}^{(20)} m_{200}^{(00)} - m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(00)} \\
& + m_{100}^{(20)} m_{100}^{(21)} m_{011}^{(10)} - m_{100}^{(20)} m_{100}^{(22)} m_{020}^{(10)} + m_{100}^{(20)} m_{010}^{(10)} m_{002}^{(10)} - m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(20)} m_{010}^{(20)} m_{011}^{(10)} + m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(10)} - m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(10)} + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(10)} \\
& + m_{100}^{(20)} m_{001}^{(20)} m_{020}^{(10)} - m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(10)} - (m_{100}^{(21)})^2 m_{101}^{(10)} + m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(20)} - m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(10)} - m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(20)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(10)} - m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(00)} + m_{100}^{(21)} m_{010}^{(21)} m_{101}^{(00)} - m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(10)} \\
& + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(00)} - m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(00)} - m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(10)} + m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(10)} \\
& - m_{100}^{(22)} m_{010}^{(00)} m_{020}^{(20)} + m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(20)} - m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(10)} \\
& - m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(10)} + m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(10)} + m_{100}^{(22)} m_{010}^{(20)} m_{020}^{(00)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(10)} - m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(00)} - m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(10)} + m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(20)} + m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(20)} + m_{010}^{(00)} m_{010}^{(10)} m_{002}^{(20)} - m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(20)} m_{011}^{(10)} + m_{010}^{(00)} m_{010}^{(21)} m_{002}^{(00)} + m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(10)} - m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(00)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(10)} - m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(10)} - m_{010}^{(00)} m_{001}^{(10)} m_{011}^{(20)} + m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(20)} \\
& - m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(00)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(00)} + m_{010}^{(00)} m_{001}^{(20)} m_{020}^{(00)} - m_{010}^{(00)} m_{001}^{(21)} m_{110}^{(10)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(20)} + m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(20)} - m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(20)} + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(20)} \\
& - m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(20)} - m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(20)} + m_{010}^{(01)} m_{001}^{(21)} m_{200}^{(20)} - (m_{010}^{(02)})^2 m_{110}^{(20)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(12)} m_{200}^{(00)} - m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(00)} + m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(20)} + m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(20)} - m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(10)} + m_{010}^{(02)} m_{001}^{(02)} m_{110}^{(10)} \\
& + m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(20)} - m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(00)} + m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(00)} - m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(00)} \\
& - m_{010}^{(10)} m_{010}^{(20)} m_{002}^{(00)} + m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(00)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(10)} + m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(10)} \\
& + m_{010}^{(10)} m_{001}^{(10)} m_{002}^{(00)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(00)} + m_{010}^{(10)} m_{010}^{(20)} m_{101}^{(00)} - m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(00)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(10)} - m_{010}^{(12)} m_{001}^{(10)} m_{101}^{(00)} + m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(00)} \\
& + (m_{010}^{(20)})^2 m_{011}^{(00)} - m_{010}^{(20)} m_{010}^{(21)} m_{101}^{(00)} - m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(00)} + m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(10)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(10)} - m_{010}^{(20)} m_{001}^{(20)} m_{020}^{(00)} + m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(00)} + m_{010}^{(20)} m_{010}^{(22)} m_{200}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(10)} + m_{010}^{(21)} m_{001}^{(01)} m_{101}^{(00)} + m_{010}^{(21)} m_{001}^{(10)} m_{110}^{(00)} - m_{010}^{(21)} m_{001}^{(21)} m_{200}^{(00)} \\
& - m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(10)} + m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(00)} + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(10)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(00)} \\
& - m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(10)} + m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(10)} + m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(10)} - m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(10)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(00)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(00)} - m_{001}^{(00)} m_{001}^{(20)} m_{101}^{(10)} + m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(10)} \\
& + (m_{001}^{(01)})^2 m_{101}^{(10)} - m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(00)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(00)} \\
& + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(10)} - m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(10)} - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(10)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(10)} \\
& - (m_{001}^{(10)})^2 m_{011}^{(00)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(00)} + m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(00)} + m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(00)} \\
& - m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(00)} - m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(00)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(00)} + m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{47}^{(2)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(21)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(21)} + m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(11)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(21)} - m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(21)} - m_{100}^{(01)} m_{010}^{(11)} m_{002}^{(01)} + m_{100}^{(01)} m_{010}^{(12)} m_{011}^{(01)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(11)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(11)} + m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(01)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(01)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(21)} - m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(21)} - m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(11)} + m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(11)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(21)} + m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(21)} + m_{100}^{(02)} m_{010}^{(11)} m_{011}^{(01)} - m_{100}^{(02)} m_{010}^{(12)} m_{020}^{(01)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{011}^{(11)} - m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(01)} + m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(01)} \\
& + m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(21)} - m_{100}^{(10)} m_{100}^{(12)} m_{011}^{(21)} - m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(11)} + m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(21)} \\
& - m_{100}^{(10)} m_{010}^{(10)} m_{002}^{(21)} + m_{100}^{(10)} m_{010}^{(12)} m_{101}^{(21)} + m_{100}^{(10)} m_{010}^{(21)} m_{011}^{(11)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(11)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{011}^{(21)} - m_{100}^{(10)} m_{001}^{(11)} m_{101}^{(21)} - m_{100}^{(10)} m_{001}^{(20)} m_{020}^{(21)} + m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(21)}
\end{aligned}$$

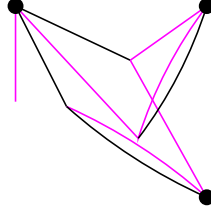
$$\begin{aligned}
& -m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(21)} - m_{100}^{(11)} m_{100}^{(20)} m_{002}^{(11)} + m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(21)} - m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(21)} \\
& + m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(11)} - m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(21)} + m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(01)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(21)} \\
& - m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(01)} - m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(21)} + m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(11)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(21)} \\
& - m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(11)} - m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(01)} + m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(01)} + m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(21)} \\
& - m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(21)} + (m_{100}^{(12)})^2 m_{110}^{(21)} + m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(11)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(11)} \\
& + m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(21)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(01)} \\
& + m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(21)} - m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(11)} - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(11)} \\
& - m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(21)} + m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(01)} + m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(21)} - m_{100}^{(12)} m_{001}^{(12)} m_{110}^{(01)} \\
& + m_{100}^{(20)} m_{100}^{(21)} m_{011}^{(11)} - m_{100}^{(20)} m_{100}^{(22)} m_{020}^{(11)} + m_{100}^{(20)} m_{010}^{(10)} m_{002}^{(11)} - m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(11)} \\
& - m_{100}^{(20)} m_{010}^{(20)} m_{011}^{(11)} + m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(11)} - m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(11)} + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(11)} \\
& + m_{100}^{(20)} m_{001}^{(20)} m_{020}^{(11)} - m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(11)} - (m_{100}^{(21)})^2 m_{101}^{(11)} + m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(11)} \\
& + m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(21)} - m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(11)} - m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(21)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(11)} \\
& + m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(11)} - m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(21)} m_{010}^{(21)} m_{101}^{(01)} - m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(11)} \\
& + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(01)} - m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(11)} + m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(11)} \\
& - m_{100}^{(22)} m_{010}^{(00)} m_{020}^{(21)} + m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(11)} + m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(21)} - m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(11)} \\
& - m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(11)} + m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(11)} + m_{100}^{(22)} m_{010}^{(20)} m_{002}^{(01)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(01)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(11)} - m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(11)} + m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(01)} \\
& - m_{100}^{(00)} m_{010}^{(01)} m_{002}^{(21)} + m_{100}^{(00)} m_{010}^{(02)} m_{011}^{(11)} + m_{100}^{(00)} m_{010}^{(10)} m_{002}^{(11)} - m_{100}^{(00)} m_{010}^{(12)} m_{101}^{(01)} \\
& - m_{100}^{(00)} m_{010}^{(20)} m_{011}^{(01)} + m_{100}^{(00)} m_{010}^{(21)} m_{002}^{(01)} + m_{100}^{(00)} m_{010}^{(22)} m_{110}^{(21)} - m_{100}^{(00)} m_{010}^{(22)} m_{011}^{(01)} \\
& + m_{100}^{(00)} m_{001}^{(01)} m_{002}^{(11)} - m_{100}^{(00)} m_{001}^{(02)} m_{011}^{(11)} - m_{100}^{(00)} m_{001}^{(10)} m_{011}^{(21)} + m_{100}^{(00)} m_{001}^{(11)} m_{101}^{(21)} \\
& - m_{100}^{(00)} m_{001}^{(11)} m_{002}^{(01)} + m_{100}^{(00)} m_{001}^{(12)} m_{011}^{(01)} + m_{100}^{(00)} m_{001}^{(20)} m_{020}^{(11)} - m_{100}^{(00)} m_{001}^{(21)} m_{110}^{(11)} \\
& + m_{100}^{(01)} m_{010}^{(02)} m_{101}^{(21)} + m_{100}^{(01)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(01)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(01)} m_{001}^{(00)} m_{011}^{(21)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{101}^{(11)} - m_{100}^{(01)} m_{001}^{(10)} m_{110}^{(11)} + m_{100}^{(01)} m_{001}^{(20)} m_{200}^{(11)} - (m_{100}^{(02)})^2 m_{110}^{(21)} \\
& - m_{100}^{(02)} m_{010}^{(10)} m_{101}^{(21)} + m_{100}^{(02)} m_{010}^{(12)} m_{200}^{(21)} - m_{100}^{(02)} m_{010}^{(21)} m_{101}^{(01)} + m_{100}^{(02)} m_{010}^{(22)} m_{110}^{(01)} \\
& - m_{100}^{(02)} m_{001}^{(00)} m_{020}^{(21)} + m_{100}^{(02)} m_{001}^{(01)} m_{110}^{(21)} - m_{100}^{(02)} m_{001}^{(10)} m_{101}^{(11)} + m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(11)} \\
& + m_{100}^{(02)} m_{001}^{(10)} m_{110}^{(11)} - m_{100}^{(02)} m_{001}^{(11)} m_{200}^{(21)} + m_{100}^{(02)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(02)} m_{001}^{(12)} m_{110}^{(01)} \\
& - m_{100}^{(10)} m_{010}^{(20)} m_{002}^{(01)} + m_{100}^{(10)} m_{010}^{(22)} m_{101}^{(01)} - m_{100}^{(10)} m_{001}^{(00)} m_{002}^{(11)} + m_{100}^{(10)} m_{001}^{(02)} m_{101}^{(11)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{002}^{(01)} - m_{100}^{(10)} m_{001}^{(12)} m_{101}^{(01)} + m_{100}^{(10)} m_{010}^{(12)} m_{101}^{(01)} - m_{100}^{(10)} m_{010}^{(22)} m_{200}^{(01)} \\
& + m_{100}^{(12)} m_{001}^{(00)} m_{101}^{(11)} - m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(01)} + m_{100}^{(12)} m_{001}^{(12)} m_{200}^{(01)} \\
& + (m_{100}^{(20)})^2 m_{011}^{(01)} - m_{100}^{(20)} m_{010}^{(21)} m_{101}^{(01)} - m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(01)} + m_{100}^{(20)} m_{001}^{(00)} m_{011}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(01)} m_{101}^{(11)} - m_{100}^{(20)} m_{001}^{(20)} m_{020}^{(01)} + m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(01)} + m_{100}^{(20)} m_{010}^{(22)} m_{200}^{(01)} \\
& - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(01)} + m_{100}^{(21)} m_{001}^{(01)} m_{101}^{(01)} + m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(01)} - m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(01)} \\
& - m_{100}^{(22)} m_{001}^{(00)} m_{110}^{(11)} + m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(01)} + m_{100}^{(22)} m_{001}^{(01)} m_{200}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(01)} \\
& - m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(11)} + m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(11)} - m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(01)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(01)} - m_{001}^{(00)} m_{001}^{(20)} m_{011}^{(11)} + m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(11)} \\
& + (m_{001}^{(01)})^2 m_{101}^{(11)} - m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(11)} - m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(01)} \\
& + m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(11)} - m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(11)} - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(11)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(11)} \\
& - (m_{001}^{(10)})^2 m_{011}^{(01)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(01)} + m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(01)} \\
& - m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(01)} - m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(01)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(01)} + m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(01)}
\end{aligned}$$

$$\begin{aligned}
P_{47}^{(3)} = & -m_{100}^{(01)} m_{100}^{(11)} m_{002}^{(22)} + m_{100}^{(01)} m_{100}^{(12)} m_{011}^{(22)} + m_{100}^{(01)} m_{100}^{(21)} m_{002}^{(12)} - m_{100}^{(01)} m_{100}^{(22)} m_{011}^{(12)} \\
& + m_{100}^{(01)} m_{010}^{(01)} m_{002}^{(22)} - m_{100}^{(01)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(01)} m_{010}^{(21)} m_{002}^{(02)} + m_{100}^{(01)} m_{010}^{(22)} m_{011}^{(02)} \\
& - m_{100}^{(01)} m_{001}^{(01)} m_{002}^{(12)} + m_{100}^{(01)} m_{001}^{(02)} m_{011}^{(12)} + m_{100}^{(01)} m_{001}^{(11)} m_{002}^{(02)} - m_{100}^{(01)} m_{001}^{(12)} m_{011}^{(02)} \\
& + m_{100}^{(02)} m_{100}^{(11)} m_{011}^{(22)} - m_{100}^{(02)} m_{100}^{(12)} m_{020}^{(22)} - m_{100}^{(02)} m_{100}^{(21)} m_{011}^{(12)} + m_{100}^{(02)} m_{100}^{(22)} m_{020}^{(12)} \\
& - m_{100}^{(02)} m_{010}^{(01)} m_{011}^{(22)} + m_{100}^{(02)} m_{010}^{(02)} m_{020}^{(22)} + m_{100}^{(02)} m_{010}^{(21)} m_{011}^{(02)} - m_{100}^{(02)} m_{010}^{(22)} m_{020}^{(02)} \\
& + m_{100}^{(02)} m_{001}^{(01)} m_{011}^{(12)} - m_{100}^{(02)} m_{001}^{(02)} m_{020}^{(12)} - m_{100}^{(02)} m_{001}^{(11)} m_{011}^{(02)} + m_{100}^{(02)} m_{001}^{(12)} m_{020}^{(02)} \\
& + m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(22)} - m_{100}^{(10)} m_{100}^{(12)} m_{011}^{(22)} - m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(02)} + m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(02)} \\
& - m_{100}^{(10)} m_{010}^{(10)} m_{002}^{(22)} + m_{100}^{(10)} m_{010}^{(12)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(22)} \\
& + m_{100}^{(10)} m_{001}^{(10)} m_{011}^{(22)} - m_{100}^{(10)} m_{001}^{(11)} m_{101}^{(22)} - m_{100}^{(10)} m_{001}^{(20)} m_{020}^{(22)} + m_{100}^{(10)} m_{001}^{(21)} m_{110}^{(22)} \\
& - m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(22)} - m_{100}^{(11)} m_{100}^{(20)} m_{011}^{(22)} + m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(22)} - m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(22)} \\
& + m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(22)} - m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(02)} + m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(22)} \\
& - m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(22)} - m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(22)} + m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(12)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(22)} \\
& - m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(22)} - m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(02)} + m_{100}^{(11)} m_{001}^{(12)} m_{011}^{(02)} + m_{100}^{(11)} m_{001}^{(20)} m_{110}^{(22)} \\
& - m_{100}^{(11)} m_{001}^{(21)} m_{200}^{(22)} + (m_{100}^{(12)})^2 m_{110}^{(22)} + m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(12)} - m_{100}^{(12)} m_{100}^{(22)} m_{110}^{(12)} \\
& + m_{100}^{(12)} m_{010}^{(10)} m_{101}^{(22)} - m_{100}^{(12)} m_{010}^{(12)} m_{200}^{(22)} - m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(02)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(02)} \\
& + m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(22)} - m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(12)} - m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(22)} + m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(12)} \\
& - m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(22)} + m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(02)} + m_{100}^{(12)} m_{001}^{(20)} m_{200}^{(22)} - m_{100}^{(12)} m_{001}^{(21)} m_{110}^{(02)} \\
& + m_{100}^{(20)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(20)} m_{100}^{(22)} m_{020}^{(12)} + m_{100}^{(20)} m_{010}^{(10)} m_{002}^{(12)} - m_{100}^{(20)} m_{010}^{(12)} m_{101}^{(12)} \\
& - m_{100}^{(20)} m_{010}^{(12)} m_{011}^{(12)} + m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(12)} - m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(12)} + m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(12)} \\
& + m_{100}^{(20)} m_{001}^{(12)} m_{020}^{(12)} - m_{100}^{(20)} m_{001}^{(21)} m_{110}^{(12)} - (m_{100}^{(21)})^2 m_{101}^{(12)} + m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(12)} \\
& + m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(12)} - m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(12)} - m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(12)} \\
& + m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(12)} + m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(02)} - m_{100}^{(21)} m_{010}^{(22)} m_{200}^{(12)} \\
& + m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(12)} - m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(12)} - m_{100}^{(21)} m_{001}^{(20)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(21)} m_{200}^{(12)} \\
& - m_{100}^{(22)} m_{010}^{(00)} m_{020}^{(12)} + m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(12)} - m_{100}^{(22)} m_{010}^{(02)} m_{110}^{(12)} \\
& - m_{100}^{(22)} m_{010}^{(10)} m_{101}^{(12)} + m_{100}^{(22)} m_{010}^{(12)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(20)} m_{020}^{(12)} - m_{100}^{(22)} m_{010}^{(21)} m_{110}^{(02)} \\
& + m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(12)} - m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(12)} - m_{100}^{(22)} m_{001}^{(20)} m_{200}^{(12)} + m_{100}^{(22)} m_{001}^{(21)} m_{110}^{(02)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(22)} + m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(10)} m_{002}^{(12)} - m_{010}^{(00)} m_{010}^{(12)} m_{101}^{(22)} \\
& - m_{010}^{(00)} m_{010}^{(20)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(21)} m_{002}^{(12)} + m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(12)} - m_{010}^{(00)} m_{010}^{(22)} m_{011}^{(12)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(10)} m_{011}^{(22)} + m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(22)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(12)} + m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(12)} + m_{010}^{(00)} m_{001}^{(20)} m_{020}^{(12)} - m_{010}^{(00)} m_{001}^{(21)} m_{110}^{(22)} \\
& + m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(22)} + m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(22)} - m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(12)} + m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(22)} \\
& - m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(22)} - m_{010}^{(01)} m_{001}^{(20)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(21)} m_{200}^{(12)} - (m_{010}^{(02)})^2 m_{110}^{(22)} \\
& - m_{010}^{(02)} m_{010}^{(10)} m_{101}^{(22)} + m_{010}^{(02)} m_{010}^{(12)} m_{200}^{(12)} - m_{010}^{(02)} m_{010}^{(21)} m_{011}^{(02)} + m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(02)} \\
& - m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(12)} + m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(12)} - m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(12)} + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(12)} \\
& + m_{010}^{(02)} m_{001}^{(11)} m_{110}^{(12)} - m_{010}^{(02)} m_{001}^{(20)} m_{200}^{(12)} + m_{010}^{(02)} m_{001}^{(21)} m_{101}^{(02)} - m_{010}^{(02)} m_{001}^{(22)} m_{110}^{(02)} \\
& - m_{010}^{(10)} m_{010}^{(20)} m_{002}^{(12)} + m_{010}^{(10)} m_{010}^{(22)} m_{101}^{(12)} - m_{010}^{(10)} m_{001}^{(00)} m_{002}^{(12)} + m_{010}^{(10)} m_{001}^{(02)} m_{101}^{(12)} \\
& + m_{010}^{(10)} m_{001}^{(02)} m_{002}^{(12)} - m_{010}^{(10)} m_{001}^{(12)} m_{101}^{(12)} + m_{010}^{(10)} m_{010}^{(12)} m_{101}^{(02)} - m_{010}^{(10)} m_{010}^{(22)} m_{200}^{(12)} \\
& + m_{010}^{(12)} m_{001}^{(00)} m_{101}^{(12)} - m_{010}^{(12)} m_{001}^{(02)} m_{101}^{(12)} + m_{010}^{(12)} m_{010}^{(10)} m_{011}^{(02)} + m_{010}^{(12)} m_{001}^{(12)} m_{200}^{(12)} \\
& + m_{010}^{(12)} m_{001}^{(12)} m_{101}^{(12)} - m_{010}^{(12)} m_{001}^{(20)} m_{200}^{(12)} - m_{010}^{(12)} m_{001}^{(21)} m_{101}^{(02)} + m_{010}^{(12)} m_{001}^{(22)} m_{200}^{(12)}
\end{aligned}$$

$$\begin{aligned}
&+(m_{010}^{(20)})^2 m_{011}^{(02)} - m_{010}^{(20)} m_{010}^{(21)} m_{101}^{(02)} - m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(02)} + m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(12)} \\
&-m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(12)} - m_{010}^{(20)} m_{001}^{(20)} m_{020}^{(02)} + m_{010}^{(20)} m_{001}^{(21)} m_{110}^{(02)} + m_{010}^{(21)} m_{010}^{(22)} m_{200}^{(02)} \\
&-m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(02)} + m_{010}^{(21)} m_{001}^{(01)} m_{101}^{(02)} + m_{010}^{(21)} m_{001}^{(20)} m_{110}^{(02)} - m_{010}^{(21)} m_{001}^{(21)} m_{200}^{(02)} \\
&-m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(12)} + m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(12)} - m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(02)} \\
&-m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(12)} + m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(12)} + m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(12)} - m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(12)} \\
&+m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(02)} - m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(20)} m_{020}^{(12)} + m_{001}^{(00)} m_{001}^{(21)} m_{110}^{(12)} \\
&+(m_{001}^{(01)})^2 m_{101}^{(12)} - m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(02)} + m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(02)} \\
&+m_{001}^{(01)} m_{001}^{(20)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(21)} m_{200}^{(12)} - m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(12)} + m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(12)} \\
&-(m_{001}^{(10)})^2 m_{011}^{(02)} + m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(02)} + m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(02)} + m_{001}^{(10)} m_{001}^{(20)} m_{020}^{(02)} \\
&-m_{001}^{(10)} m_{001}^{(21)} m_{110}^{(02)} - m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(02)} - m_{001}^{(11)} m_{001}^{(20)} m_{110}^{(02)} + m_{001}^{(11)} m_{001}^{(21)} m_{200}^{(02)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & 1 & V1 \\
V2 & V2 & V3 & A0 \\
& 2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{48}^{(1)} = &-(m_{100}^{(10)})^2 m_{011}^{(22)} + (m_{100}^{(10)})^2 m_{002}^{(21)} + m_{100}^{(10)} m_{100}^{(11)} m_{101}^{(22)} - m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(20)} \\
&-m_{100}^{(10)} m_{100}^{(12)} m_{101}^{(21)} + m_{100}^{(10)} m_{100}^{(12)} m_{011}^{(20)} + m_{100}^{(10)} m_{100}^{(20)} m_{020}^{(22)} + m_{100}^{(10)} m_{100}^{(20)} m_{011}^{(12)} \\
&-m_{100}^{(10)} m_{100}^{(20)} m_{011}^{(21)} - m_{100}^{(10)} m_{100}^{(20)} m_{002}^{(11)} - m_{100}^{(10)} m_{100}^{(21)} m_{110}^{(22)} + m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(20)} \\
&+m_{100}^{(10)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(10)} m_{100}^{(22)} m_{020}^{(20)} + 2m_{100}^{(10)} m_{010}^{(00)} m_{011}^{(22)} - 2m_{100}^{(10)} m_{010}^{(00)} m_{002}^{(21)} \\
&-m_{100}^{(10)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(10)} m_{010}^{(01)} m_{002}^{(20)} + m_{100}^{(10)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(20)} \\
&-m_{100}^{(10)} m_{010}^{(20)} m_{110}^{(22)} + m_{100}^{(10)} m_{010}^{(20)} m_{101}^{(21)} - m_{100}^{(10)} m_{010}^{(20)} m_{011}^{(20)} + m_{100}^{(10)} m_{010}^{(20)} m_{002}^{(01)} \\
&+m_{100}^{(10)} m_{010}^{(21)} m_{200}^{(22)} - m_{100}^{(10)} m_{010}^{(21)} m_{101}^{(20)} - m_{100}^{(10)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(10)} m_{010}^{(22)} m_{110}^{(20)} \\
&-m_{100}^{(10)} m_{001}^{(00)} m_{020}^{(22)} - m_{100}^{(10)} m_{001}^{(00)} m_{011}^{(12)} + m_{100}^{(10)} m_{001}^{(00)} m_{011}^{(21)} + m_{100}^{(10)} m_{001}^{(00)} m_{002}^{(11)} \\
&+m_{100}^{(10)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(20)} - m_{100}^{(10)} m_{001}^{(01)} m_{110}^{(21)} + m_{100}^{(10)} m_{001}^{(01)} m_{020}^{(20)} \\
&+m_{100}^{(10)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(10)} m_{001}^{(10)} m_{101}^{(21)} + m_{100}^{(10)} m_{001}^{(10)} m_{011}^{(20)} - m_{100}^{(10)} m_{001}^{(10)} m_{002}^{(01)} \\
&-m_{100}^{(10)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(10)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(10)} m_{001}^{(12)} m_{200}^{(21)} - m_{100}^{(10)} m_{001}^{(12)} m_{110}^{(20)} \\
&-m_{100}^{(11)} m_{100}^{(20)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(20)} m_{002}^{(11)} - m_{100}^{(11)} m_{010}^{(00)} m_{101}^{(21)} + m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(20)} \\
&+m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(20)} m_{002}^{(00)} + m_{100}^{(11)} m_{001}^{(00)} m_{101}^{(12)} - m_{100}^{(11)} m_{001}^{(00)} m_{002}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{100}^{(11)} m_{001}^{(10)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(10)} m_{002}^{(00)} + m_{100}^{(12)} m_{100}^{(20)} m_{101}^{(11)} - m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(10)} \\
& + m_{100}^{(12)} m_{010}^{(00)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(01)} + m_{100}^{(12)} m_{010}^{(20)} m_{011}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(00)} m_{101}^{(11)} + m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(10)} + m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(10)} m_{011}^{(00)} \\
& - (m_{100}^{(20)})^2 m_{020}^{(12)} + (m_{100}^{(20)})^2 m_{011}^{(11)} + m_{100}^{(20)} m_{100}^{(21)} m_{110}^{(12)} - m_{100}^{(20)} m_{100}^{(21)} m_{011}^{(10)} \\
& - m_{100}^{(20)} m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(20)} m_{100}^{(22)} m_{020}^{(10)} - m_{100}^{(20)} m_{010}^{(00)} m_{020}^{(22)} - m_{100}^{(20)} m_{010}^{(00)} m_{011}^{(12)} \\
& + m_{100}^{(20)} m_{010}^{(00)} m_{011}^{(21)} + m_{100}^{(20)} m_{010}^{(00)} m_{002}^{(11)} + m_{100}^{(20)} m_{010}^{(01)} m_{101}^{(12)} - m_{100}^{(20)} m_{010}^{(01)} m_{002}^{(10)} \\
& - m_{100}^{(20)} m_{010}^{(02)} m_{101}^{(11)} + m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(10)} + m_{100}^{(20)} m_{010}^{(20)} m_{110}^{(12)} - m_{100}^{(20)} m_{010}^{(20)} m_{101}^{(11)} \\
& + m_{100}^{(20)} m_{010}^{(20)} m_{020}^{(02)} - m_{100}^{(20)} m_{010}^{(20)} m_{011}^{(01)} - m_{100}^{(20)} m_{010}^{(21)} m_{200}^{(12)} + m_{100}^{(20)} m_{010}^{(21)} m_{101}^{(10)} \\
& + m_{100}^{(20)} m_{010}^{(22)} m_{200}^{(11)} - m_{100}^{(20)} m_{010}^{(22)} m_{110}^{(10)} + 2m_{100}^{(20)} m_{001}^{(00)} m_{020}^{(12)} - 2m_{100}^{(20)} m_{001}^{(00)} m_{011}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(20)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(20)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(10)} \\
& - m_{100}^{(20)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(20)} m_{001}^{(10)} m_{101}^{(11)} - m_{100}^{(20)} m_{001}^{(10)} m_{020}^{(02)} + m_{100}^{(20)} m_{001}^{(10)} m_{011}^{(01)} \\
& + m_{100}^{(20)} m_{001}^{(11)} m_{200}^{(12)} - m_{100}^{(20)} m_{001}^{(11)} m_{101}^{(10)} - m_{100}^{(20)} m_{001}^{(12)} m_{200}^{(11)} + m_{100}^{(20)} m_{001}^{(12)} m_{110}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(00)} m_{110}^{(22)} - m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(20)} - m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(02)} + m_{100}^{(21)} m_{010}^{(20)} m_{011}^{(00)} \\
& - m_{100}^{(21)} m_{001}^{(00)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(10)} m_{011}^{(00)} \\
& - m_{100}^{(21)} m_{010}^{(00)} m_{110}^{(21)} + m_{100}^{(21)} m_{010}^{(00)} m_{020}^{(22)} + m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(01)} - m_{100}^{(21)} m_{010}^{(20)} m_{020}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(00)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(10)} - m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(10)} m_{020}^{(00)} \\
& - (m_{010}^{(00)})^2 m_{011}^{(22)} + (m_{010}^{(00)})^2 m_{002}^{(21)} + m_{010}^{(00)} m_{010}^{(01)} m_{101}^{(22)} - m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(20)} \\
& - m_{010}^{(00)} m_{010}^{(02)} m_{101}^{(21)} + m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(20)} + m_{010}^{(00)} m_{010}^{(20)} m_{110}^{(02)} - m_{010}^{(00)} m_{010}^{(20)} m_{101}^{(02)} \\
& + m_{010}^{(00)} m_{010}^{(20)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(20)} m_{002}^{(01)} - m_{010}^{(00)} m_{010}^{(21)} m_{200}^{(22)} + m_{010}^{(00)} m_{010}^{(21)} m_{101}^{(20)} \\
& + m_{010}^{(00)} m_{010}^{(22)} m_{200}^{(21)} - m_{010}^{(00)} m_{010}^{(22)} m_{110}^{(20)} + m_{010}^{(00)} m_{001}^{(00)} m_{020}^{(22)} + m_{010}^{(00)} m_{001}^{(00)} m_{011}^{(12)} \\
& - m_{010}^{(00)} m_{001}^{(00)} m_{011}^{(21)} - m_{010}^{(00)} m_{001}^{(00)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(01)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(20)} \\
& + m_{010}^{(00)} m_{001}^{(02)} m_{110}^{(21)} - m_{010}^{(00)} m_{001}^{(02)} m_{020}^{(20)} - m_{010}^{(00)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(00)} m_{001}^{(10)} m_{101}^{(21)} \\
& - m_{010}^{(00)} m_{001}^{(10)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(10)} m_{002}^{(01)} + m_{010}^{(00)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(00)} m_{001}^{(11)} m_{101}^{(20)} \\
& - m_{010}^{(00)} m_{001}^{(12)} m_{200}^{(21)} + m_{010}^{(00)} m_{001}^{(12)} m_{110}^{(20)} - m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(02)} + m_{010}^{(01)} m_{010}^{(20)} m_{002}^{(00)} \\
& - m_{010}^{(01)} m_{001}^{(00)} m_{101}^{(12)} + m_{010}^{(01)} m_{001}^{(00)} m_{002}^{(10)} + m_{010}^{(01)} m_{001}^{(10)} m_{101}^{(02)} - m_{010}^{(01)} m_{001}^{(10)} m_{002}^{(00)} \\
& + m_{010}^{(01)} m_{010}^{(01)} m_{101}^{(02)} - m_{010}^{(01)} m_{010}^{(01)} m_{011}^{(02)} + m_{010}^{(01)} m_{001}^{(02)} m_{101}^{(11)} - m_{010}^{(01)} m_{001}^{(02)} m_{011}^{(10)} \\
& - m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(10)} m_{011}^{(00)} - (m_{010}^{(20)})^2 m_{110}^{(02)} + (m_{010}^{(20)})^2 m_{101}^{(01)} \\
& + m_{010}^{(20)} m_{010}^{(21)} m_{200}^{(02)} - m_{010}^{(20)} m_{010}^{(21)} m_{101}^{(00)} - m_{010}^{(20)} m_{010}^{(22)} m_{200}^{(01)} + m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(20)} m_{001}^{(00)} m_{110}^{(12)} + m_{010}^{(20)} m_{001}^{(00)} m_{101}^{(11)} - m_{010}^{(20)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(20)} m_{001}^{(00)} m_{011}^{(01)} \\
& + m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(01)} m_{011}^{(00)} - m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(01)} + m_{010}^{(20)} m_{001}^{(02)} m_{020}^{(00)} \\
& + 2m_{010}^{(20)} m_{001}^{(10)} m_{110}^{(02)} - 2m_{010}^{(20)} m_{001}^{(10)} m_{101}^{(01)} - m_{010}^{(20)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(00)} \\
& + m_{010}^{(20)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(20)} m_{001}^{(12)} m_{110}^{(00)} + m_{010}^{(21)} m_{001}^{(00)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(00)} m_{101}^{(10)} \\
& - m_{010}^{(21)} m_{001}^{(10)} m_{200}^{(02)} + m_{010}^{(21)} m_{001}^{(10)} m_{101}^{(00)} - m_{010}^{(22)} m_{001}^{(00)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(00)} m_{110}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(10)} m_{200}^{(00)} - m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(00)} - (m_{001}^{(00)})^2 m_{020}^{(12)} + (m_{001}^{(00)})^2 m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(01)} m_{110}^{(12)} - m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(10)} - m_{001}^{(00)} m_{001}^{(02)} m_{110}^{(11)} + m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(10)} \\
& + m_{001}^{(00)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(00)} m_{001}^{(10)} m_{101}^{(11)} + m_{001}^{(00)} m_{001}^{(10)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(10)} m_{011}^{(01)} \\
& - m_{001}^{(00)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(00)} m_{001}^{(11)} m_{101}^{(10)} + m_{001}^{(00)} m_{001}^{(12)} m_{200}^{(11)} - m_{001}^{(00)} m_{001}^{(12)} m_{110}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(10)} m_{011}^{(00)} + m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(01)} - m_{001}^{(02)} m_{001}^{(10)} m_{020}^{(00)} \\
& - (m_{001}^{(10)})^2 m_{110}^{(02)} + (m_{001}^{(10)})^2 m_{101}^{(01)} + m_{001}^{(10)} m_{001}^{(11)} m_{200}^{(02)} - m_{001}^{(10)} m_{001}^{(11)} m_{101}^{(00)} \\
& - m_{001}^{(10)} m_{001}^{(12)} m_{200}^{(01)} + m_{001}^{(10)} m_{001}^{(12)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{48}^{(2)} = & -m_{100}^{(10)} m_{100}^{(11)} m_{011}^{(22)} + m_{100}^{(10)} m_{100}^{(11)} m_{002}^{(21)} + m_{100}^{(10)} m_{100}^{(21)} m_{011}^{(12)} - m_{100}^{(10)} m_{100}^{(21)} m_{002}^{(11)} \\
& + m_{100}^{(10)} m_{010}^{(01)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(01)} m_{002}^{(21)} - m_{100}^{(10)} m_{010}^{(21)} m_{011}^{(02)} + m_{100}^{(10)} m_{010}^{(21)} m_{002}^{(01)} \\
& - m_{100}^{(10)} m_{001}^{(01)} m_{011}^{(12)} + m_{100}^{(10)} m_{001}^{(01)} m_{002}^{(11)} + m_{100}^{(10)} m_{001}^{(11)} m_{011}^{(02)} - m_{100}^{(10)} m_{001}^{(11)} m_{002}^{(01)} \\
& + (m_{100}^{(11)})^2 m_{101}^{(22)} - (m_{100}^{(11)})^2 m_{002}^{(20)} - m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(21)} + m_{100}^{(11)} m_{100}^{(12)} m_{011}^{(20)} \\
& + m_{100}^{(11)} m_{100}^{(20)} m_{020}^{(22)} - m_{100}^{(11)} m_{100}^{(20)} m_{011}^{(21)} - m_{100}^{(11)} m_{100}^{(21)} m_{110}^{(22)} - m_{100}^{(11)} m_{100}^{(21)} m_{101}^{(12)} \\
& + m_{100}^{(11)} m_{100}^{(21)} m_{011}^{(20)} + m_{100}^{(11)} m_{100}^{(21)} m_{002}^{(10)} + m_{100}^{(11)} m_{100}^{(22)} m_{110}^{(21)} - m_{100}^{(11)} m_{100}^{(22)} m_{020}^{(20)} \\
& + m_{100}^{(11)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(11)} m_{010}^{(00)} m_{002}^{(21)} - 2m_{100}^{(11)} m_{010}^{(01)} m_{101}^{(22)} + 2m_{100}^{(11)} m_{010}^{(01)} m_{002}^{(20)} \\
& + m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(11)} m_{010}^{(02)} m_{011}^{(20)} - m_{100}^{(11)} m_{010}^{(20)} m_{110}^{(22)} + m_{100}^{(11)} m_{010}^{(20)} m_{101}^{(21)} \\
& + m_{100}^{(11)} m_{010}^{(21)} m_{200}^{(22)} + m_{100}^{(11)} m_{010}^{(21)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(21)} m_{101}^{(20)} - m_{100}^{(11)} m_{010}^{(21)} m_{002}^{(00)} \\
& - m_{100}^{(11)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(11)} m_{010}^{(22)} m_{110}^{(20)} - m_{100}^{(11)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(11)} m_{001}^{(00)} m_{011}^{(21)} \\
& + m_{100}^{(11)} m_{001}^{(01)} m_{110}^{(22)} + m_{100}^{(11)} m_{001}^{(01)} m_{101}^{(12)} - m_{100}^{(11)} m_{001}^{(01)} m_{011}^{(20)} - m_{100}^{(11)} m_{001}^{(01)} m_{002}^{(10)} \\
& - m_{100}^{(11)} m_{001}^{(02)} m_{110}^{(21)} + m_{100}^{(11)} m_{001}^{(02)} m_{020}^{(20)} + m_{100}^{(11)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(11)} m_{001}^{(10)} m_{101}^{(21)} \\
& - m_{100}^{(11)} m_{001}^{(11)} m_{200}^{(22)} - m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(11)} m_{101}^{(20)} + m_{100}^{(11)} m_{001}^{(11)} m_{002}^{(00)} \\
& + m_{100}^{(11)} m_{001}^{(12)} m_{200}^{(21)} - m_{100}^{(11)} m_{001}^{(12)} m_{110}^{(20)} + m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(11)} - m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(10)} \\
& + m_{100}^{(12)} m_{010}^{(01)} m_{101}^{(21)} - m_{100}^{(12)} m_{010}^{(01)} m_{011}^{(20)} - m_{100}^{(12)} m_{010}^{(21)} m_{101}^{(01)} + m_{100}^{(12)} m_{010}^{(21)} m_{011}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(01)} m_{101}^{(11)} + m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(11)} m_{011}^{(00)} \\
& - m_{100}^{(20)} m_{100}^{(21)} m_{020}^{(12)} + m_{100}^{(20)} m_{100}^{(21)} m_{011}^{(11)} - m_{100}^{(20)} m_{010}^{(01)} m_{020}^{(22)} + m_{100}^{(20)} m_{010}^{(01)} m_{011}^{(21)} \\
& + m_{100}^{(20)} m_{010}^{(21)} m_{020}^{(02)} - m_{100}^{(20)} m_{010}^{(21)} m_{011}^{(01)} + m_{100}^{(20)} m_{001}^{(01)} m_{020}^{(12)} - m_{100}^{(20)} m_{001}^{(01)} m_{011}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(01)} + m_{100}^{(20)} m_{001}^{(02)} m_{011}^{(01)} + (m_{100}^{(21)})^2 m_{110}^{(12)} - (m_{100}^{(21)})^2 m_{011}^{(10)} \\
& - m_{100}^{(21)} m_{100}^{(22)} m_{110}^{(11)} + m_{100}^{(21)} m_{100}^{(22)} m_{020}^{(10)} - m_{100}^{(21)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(21)} m_{010}^{(00)} m_{002}^{(11)} \\
& + m_{100}^{(21)} m_{010}^{(01)} m_{110}^{(12)} + m_{100}^{(21)} m_{010}^{(01)} m_{101}^{(12)} - m_{100}^{(21)} m_{010}^{(01)} m_{011}^{(20)} - m_{100}^{(21)} m_{010}^{(01)} m_{002}^{(10)} \\
& - m_{100}^{(21)} m_{010}^{(02)} m_{110}^{(11)} + m_{100}^{(21)} m_{010}^{(02)} m_{101}^{(10)} + m_{100}^{(21)} m_{010}^{(20)} m_{110}^{(12)} - m_{100}^{(21)} m_{010}^{(20)} m_{101}^{(11)} \\
& - m_{100}^{(21)} m_{010}^{(21)} m_{200}^{(12)} - m_{100}^{(21)} m_{010}^{(21)} m_{110}^{(10)} + m_{100}^{(21)} m_{010}^{(21)} m_{101}^{(01)} + m_{100}^{(21)} m_{010}^{(21)} m_{011}^{(00)} \\
& + m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(11)} - m_{100}^{(21)} m_{010}^{(22)} m_{101}^{(10)} + m_{100}^{(21)} m_{001}^{(00)} m_{020}^{(12)} - m_{100}^{(21)} m_{001}^{(00)} m_{011}^{(11)} \\
& - 2m_{100}^{(21)} m_{001}^{(01)} m_{110}^{(12)} + 2m_{100}^{(21)} m_{001}^{(01)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(11)} - m_{100}^{(21)} m_{001}^{(02)} m_{020}^{(10)} \\
& - m_{100}^{(21)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(10)} m_{101}^{(11)} + m_{100}^{(21)} m_{001}^{(12)} m_{200}^{(11)} + m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(02)} \\
& - m_{100}^{(21)} m_{001}^{(11)} m_{101}^{(10)} - m_{100}^{(21)} m_{001}^{(11)} m_{011}^{(00)} - m_{100}^{(21)} m_{001}^{(12)} m_{200}^{(11)} + m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(10)} \\
& - m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(12)} + m_{100}^{(22)} m_{010}^{(01)} m_{020}^{(10)} + m_{100}^{(22)} m_{010}^{(01)} m_{110}^{(11)} - m_{100}^{(22)} m_{010}^{(01)} m_{020}^{(00)} \\
& + m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(11)} - m_{100}^{(22)} m_{001}^{(01)} m_{101}^{(10)} - m_{100}^{(22)} m_{001}^{(11)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(11)} m_{020}^{(00)} \\
& - m_{010}^{(00)} m_{010}^{(01)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(01)} m_{002}^{(21)} + m_{010}^{(00)} m_{010}^{(21)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(21)} m_{002}^{(01)} \\
& + m_{010}^{(00)} m_{001}^{(01)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(01)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(11)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(11)} m_{002}^{(01)} \\
& + (m_{010}^{(01)})^2 m_{101}^{(22)} - (m_{010}^{(01)})^2 m_{002}^{(20)} - m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(21)} + m_{010}^{(01)} m_{010}^{(02)} m_{011}^{(20)} \\
& + m_{010}^{(01)} m_{010}^{(20)} m_{110}^{(22)} - m_{010}^{(01)} m_{010}^{(20)} m_{101}^{(21)} - m_{010}^{(01)} m_{010}^{(21)} m_{200}^{(22)} - m_{010}^{(01)} m_{010}^{(21)} m_{101}^{(12)} \\
& + m_{010}^{(01)} m_{010}^{(21)} m_{101}^{(20)} + m_{010}^{(01)} m_{010}^{(21)} m_{002}^{(10)} + m_{010}^{(01)} m_{010}^{(22)} m_{200}^{(21)} - m_{010}^{(01)} m_{010}^{(22)} m_{110}^{(20)} \\
& + m_{010}^{(01)} m_{001}^{(00)} m_{020}^{(22)} - m_{010}^{(01)} m_{001}^{(00)} m_{011}^{(21)} - m_{010}^{(01)} m_{001}^{(01)} m_{110}^{(22)} - m_{010}^{(01)} m_{001}^{(01)} m_{101}^{(12)} \\
& + m_{010}^{(01)} m_{001}^{(01)} m_{011}^{(20)} + m_{010}^{(01)} m_{001}^{(01)} m_{002}^{(10)} + m_{010}^{(01)} m_{001}^{(02)} m_{110}^{(21)} - m_{010}^{(01)} m_{001}^{(02)} m_{020}^{(20)} \\
& - m_{010}^{(01)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(01)} m_{001}^{(10)} m_{101}^{(21)} + m_{010}^{(01)} m_{001}^{(11)} m_{200}^{(21)} + m_{010}^{(01)} m_{001}^{(11)} m_{101}^{(12)}
\end{aligned}$$

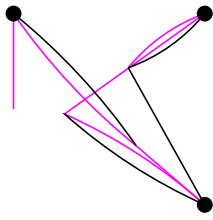
$$\begin{aligned}
& -m_{010}^{(01)} m_{001}^{(11)} m_{101}^{(20)} - m_{010}^{(01)} m_{001}^{(11)} m_{002}^{(00)} - m_{010}^{(01)} m_{001}^{(12)} m_{200}^{(21)} + m_{010}^{(01)} m_{001}^{(12)} m_{110}^{(20)} \\
& + m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(01)} - m_{010}^{(02)} m_{010}^{(21)} m_{011}^{(00)} + m_{010}^{(02)} m_{001}^{(01)} m_{101}^{(11)} - m_{010}^{(02)} m_{001}^{(01)} m_{011}^{(10)} \\
& - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(11)} m_{011}^{(00)} - m_{010}^{(20)} m_{010}^{(21)} m_{110}^{(02)} + m_{010}^{(20)} m_{010}^{(21)} m_{101}^{(01)} \\
& - m_{010}^{(20)} m_{001}^{(01)} m_{110}^{(12)} + m_{010}^{(20)} m_{001}^{(01)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(11)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(11)} m_{101}^{(01)} \\
& + (m_{010}^{(21)})^2 m_{200}^{(02)} - (m_{010}^{(21)})^2 m_{101}^{(00)} - m_{010}^{(21)} m_{010}^{(22)} m_{200}^{(01)} + m_{010}^{(21)} m_{010}^{(22)} m_{110}^{(00)} \\
& - m_{010}^{(21)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(21)} m_{001}^{(00)} m_{011}^{(01)} + m_{010}^{(21)} m_{001}^{(01)} m_{200}^{(12)} + m_{010}^{(21)} m_{001}^{(01)} m_{110}^{(02)} \\
& - m_{010}^{(21)} m_{001}^{(01)} m_{101}^{(10)} - m_{010}^{(21)} m_{001}^{(01)} m_{011}^{(00)} - m_{010}^{(21)} m_{001}^{(02)} m_{110}^{(01)} + m_{010}^{(21)} m_{001}^{(02)} m_{020}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(21)} m_{001}^{(10)} m_{101}^{(01)} - 2m_{010}^{(21)} m_{001}^{(11)} m_{200}^{(02)} + 2m_{010}^{(21)} m_{001}^{(11)} m_{101}^{(00)} \\
& + m_{010}^{(21)} m_{001}^{(12)} m_{200}^{(01)} - m_{010}^{(21)} m_{001}^{(12)} m_{110}^{(00)} - m_{010}^{(22)} m_{001}^{(01)} m_{200}^{(11)} + m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(10)} \\
& + m_{010}^{(22)} m_{001}^{(11)} m_{200}^{(01)} - m_{010}^{(22)} m_{001}^{(11)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(01)} m_{020}^{(12)} + m_{001}^{(00)} m_{001}^{(01)} m_{011}^{(11)} \\
& + m_{001}^{(00)} m_{001}^{(11)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(11)} m_{011}^{(01)} + (m_{001}^{(01)})^2 m_{110}^{(12)} - (m_{001}^{(01)})^2 m_{011}^{(10)} \\
& - m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(11)} + m_{001}^{(01)} m_{001}^{(02)} m_{020}^{(10)} + m_{001}^{(01)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(10)} m_{101}^{(11)} \\
& - m_{001}^{(01)} m_{001}^{(11)} m_{200}^{(12)} - m_{001}^{(01)} m_{001}^{(11)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(11)} m_{101}^{(10)} + m_{001}^{(01)} m_{001}^{(11)} m_{011}^{(00)} \\
& + m_{001}^{(01)} m_{001}^{(12)} m_{200}^{(11)} - m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(10)} + m_{001}^{(02)} m_{001}^{(11)} m_{110}^{(01)} - m_{001}^{(02)} m_{001}^{(11)} m_{020}^{(00)} \\
& - m_{001}^{(10)} m_{001}^{(02)} m_{110}^{(11)} + m_{001}^{(10)} m_{001}^{(02)} m_{101}^{(01)} + (m_{001}^{(11)})^2 m_{200}^{(02)} - (m_{001}^{(11)})^2 m_{101}^{(00)} \\
& - m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(01)} + m_{001}^{(11)} m_{001}^{(12)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{48}^{(3)} = & -m_{100}^{(10)} m_{100}^{(12)} m_{011}^{(22)} + m_{100}^{(10)} m_{100}^{(12)} m_{002}^{(21)} + m_{100}^{(10)} m_{100}^{(22)} m_{011}^{(12)} - m_{100}^{(10)} m_{100}^{(22)} m_{002}^{(11)} \\
& + m_{100}^{(10)} m_{010}^{(02)} m_{011}^{(22)} - m_{100}^{(10)} m_{010}^{(02)} m_{002}^{(21)} - m_{100}^{(10)} m_{010}^{(22)} m_{011}^{(02)} + m_{100}^{(10)} m_{010}^{(22)} m_{002}^{(01)} \\
& - m_{100}^{(10)} m_{001}^{(02)} m_{011}^{(12)} + m_{100}^{(10)} m_{001}^{(02)} m_{002}^{(11)} + m_{100}^{(10)} m_{001}^{(12)} m_{011}^{(02)} - m_{100}^{(10)} m_{001}^{(12)} m_{002}^{(01)} \\
& + m_{100}^{(11)} m_{100}^{(12)} m_{101}^{(22)} - m_{100}^{(11)} m_{100}^{(12)} m_{002}^{(20)} - m_{100}^{(11)} m_{100}^{(22)} m_{101}^{(12)} + m_{100}^{(11)} m_{100}^{(22)} m_{002}^{(10)} \\
& - m_{100}^{(11)} m_{010}^{(02)} m_{101}^{(22)} + m_{100}^{(11)} m_{010}^{(02)} m_{002}^{(20)} + m_{100}^{(11)} m_{010}^{(22)} m_{101}^{(02)} - m_{100}^{(11)} m_{010}^{(22)} m_{002}^{(00)} \\
& + m_{100}^{(11)} m_{001}^{(02)} m_{101}^{(12)} - m_{100}^{(11)} m_{001}^{(02)} m_{002}^{(10)} - m_{100}^{(11)} m_{001}^{(12)} m_{101}^{(02)} + m_{100}^{(11)} m_{001}^{(12)} m_{002}^{(00)} \\
& - (m_{100}^{(12)})^2 m_{101}^{(21)} + (m_{100}^{(12)})^2 m_{011}^{(20)} + m_{100}^{(12)} m_{100}^{(20)} m_{020}^{(22)} - m_{100}^{(12)} m_{100}^{(20)} m_{011}^{(21)} \\
& - m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(22)} + m_{100}^{(12)} m_{100}^{(21)} m_{011}^{(20)} + m_{100}^{(12)} m_{100}^{(21)} m_{110}^{(12)} + m_{100}^{(12)} m_{100}^{(21)} m_{101}^{(11)} \\
& - m_{100}^{(12)} m_{100}^{(22)} m_{020}^{(20)} - m_{100}^{(12)} m_{100}^{(22)} m_{011}^{(10)} + m_{100}^{(12)} m_{010}^{(00)} m_{011}^{(22)} - m_{100}^{(12)} m_{010}^{(00)} m_{002}^{(21)} \\
& - m_{100}^{(12)} m_{010}^{(01)} m_{101}^{(22)} + m_{100}^{(12)} m_{010}^{(01)} m_{002}^{(20)} + 2m_{100}^{(12)} m_{010}^{(02)} m_{101}^{(21)} - 2m_{100}^{(12)} m_{010}^{(02)} m_{011}^{(20)} \\
& - m_{100}^{(12)} m_{010}^{(20)} m_{110}^{(22)} + m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(21)} + m_{100}^{(12)} m_{010}^{(20)} m_{200}^{(12)} - m_{100}^{(12)} m_{010}^{(20)} m_{101}^{(12)} \\
& - m_{100}^{(12)} m_{010}^{(22)} m_{200}^{(21)} + m_{100}^{(12)} m_{010}^{(22)} m_{110}^{(20)} - m_{100}^{(12)} m_{010}^{(22)} m_{101}^{(01)} + m_{100}^{(12)} m_{010}^{(22)} m_{011}^{(00)} \\
& - m_{100}^{(12)} m_{001}^{(00)} m_{020}^{(22)} + m_{100}^{(12)} m_{001}^{(00)} m_{011}^{(21)} + m_{100}^{(12)} m_{001}^{(01)} m_{110}^{(22)} - m_{100}^{(12)} m_{001}^{(01)} m_{011}^{(20)} \\
& - m_{100}^{(12)} m_{001}^{(02)} m_{110}^{(21)} - m_{100}^{(12)} m_{001}^{(02)} m_{101}^{(11)} + m_{100}^{(12)} m_{001}^{(02)} m_{020}^{(20)} + m_{100}^{(12)} m_{001}^{(02)} m_{011}^{(10)} \\
& + m_{100}^{(12)} m_{001}^{(10)} m_{110}^{(22)} - m_{100}^{(12)} m_{001}^{(10)} m_{101}^{(21)} - m_{100}^{(12)} m_{001}^{(11)} m_{200}^{(22)} + m_{100}^{(12)} m_{001}^{(11)} m_{101}^{(20)} \\
& + m_{100}^{(12)} m_{001}^{(12)} m_{200}^{(21)} - m_{100}^{(12)} m_{001}^{(12)} m_{110}^{(20)} + m_{100}^{(12)} m_{001}^{(12)} m_{101}^{(01)} - m_{100}^{(12)} m_{001}^{(12)} m_{011}^{(00)} \\
& - m_{100}^{(20)} m_{100}^{(22)} m_{020}^{(12)} + m_{100}^{(20)} m_{100}^{(22)} m_{011}^{(11)} - m_{100}^{(20)} m_{010}^{(02)} m_{020}^{(22)} + m_{100}^{(20)} m_{010}^{(02)} m_{011}^{(21)} \\
& + m_{100}^{(20)} m_{010}^{(22)} m_{020}^{(02)} - m_{100}^{(20)} m_{010}^{(22)} m_{011}^{(01)} + m_{100}^{(20)} m_{001}^{(02)} m_{020}^{(12)} - m_{100}^{(20)} m_{001}^{(02)} m_{011}^{(11)} \\
& - m_{100}^{(20)} m_{001}^{(12)} m_{020}^{(02)} + m_{100}^{(20)} m_{001}^{(12)} m_{011}^{(01)} + m_{100}^{(20)} m_{100}^{(21)} m_{110}^{(22)} - m_{100}^{(20)} m_{100}^{(21)} m_{011}^{(10)} \\
& + m_{100}^{(21)} m_{010}^{(02)} m_{110}^{(22)} - m_{100}^{(21)} m_{010}^{(02)} m_{011}^{(20)} - m_{100}^{(21)} m_{010}^{(22)} m_{110}^{(02)} + m_{100}^{(21)} m_{010}^{(22)} m_{011}^{(00)} \\
& - m_{100}^{(21)} m_{001}^{(02)} m_{110}^{(12)} + m_{100}^{(21)} m_{001}^{(02)} m_{011}^{(10)} + m_{100}^{(21)} m_{001}^{(12)} m_{110}^{(02)} - m_{100}^{(21)} m_{001}^{(12)} m_{011}^{(00)} \\
& - (m_{100}^{(22)})^2 m_{110}^{(11)} + (m_{100}^{(22)})^2 m_{101}^{(10)} - m_{100}^{(22)} m_{010}^{(00)} m_{011}^{(12)} + m_{100}^{(22)} m_{010}^{(00)} m_{002}^{(11)} \\
& + m_{100}^{(22)} m_{010}^{(01)} m_{101}^{(12)} - m_{100}^{(22)} m_{010}^{(01)} m_{002}^{(10)} - m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(21)} - m_{100}^{(22)} m_{010}^{(02)} m_{101}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +m_{100}^{(22)} m_{010}^{(02)} m_{020}^{(20)} + m_{100}^{(22)} m_{010}^{(02)} m_{011}^{(10)} + m_{100}^{(22)} m_{010}^{(20)} m_{110}^{(12)} - m_{100}^{(22)} m_{010}^{(20)} m_{101}^{(11)} \\
& -m_{100}^{(22)} m_{010}^{(21)} m_{200}^{(12)} + m_{100}^{(22)} m_{010}^{(21)} m_{101}^{(10)} + m_{100}^{(22)} m_{010}^{(22)} m_{200}^{(11)} + m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(01)} \\
& -m_{100}^{(22)} m_{010}^{(22)} m_{110}^{(10)} - m_{100}^{(22)} m_{010}^{(22)} m_{020}^{(00)} + m_{100}^{(22)} m_{001}^{(00)} m_{020}^{(12)} - m_{100}^{(22)} m_{001}^{(00)} m_{011}^{(11)} \\
& -m_{100}^{(22)} m_{001}^{(01)} m_{110}^{(12)} + m_{100}^{(22)} m_{001}^{(01)} m_{011}^{(10)} + 2m_{100}^{(22)} m_{001}^{(02)} m_{110}^{(11)} - 2m_{100}^{(22)} m_{001}^{(02)} m_{020}^{(10)} \\
& -m_{100}^{(22)} m_{001}^{(10)} m_{110}^{(12)} + m_{100}^{(22)} m_{001}^{(10)} m_{101}^{(11)} + m_{100}^{(22)} m_{001}^{(11)} m_{200}^{(12)} - m_{100}^{(22)} m_{001}^{(11)} m_{101}^{(10)} \\
& -m_{100}^{(22)} m_{001}^{(12)} m_{200}^{(11)} - m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(01)} + m_{100}^{(22)} m_{001}^{(12)} m_{110}^{(10)} + m_{100}^{(22)} m_{001}^{(12)} m_{020}^{(00)} \\
& -m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(22)} + m_{010}^{(00)} m_{010}^{(02)} m_{002}^{(21)} + m_{010}^{(00)} m_{010}^{(02)} m_{011}^{(02)} - m_{010}^{(00)} m_{010}^{(02)} m_{002}^{(01)} \\
& +m_{010}^{(00)} m_{001}^{(02)} m_{011}^{(12)} - m_{010}^{(00)} m_{001}^{(02)} m_{002}^{(11)} - m_{010}^{(00)} m_{001}^{(12)} m_{011}^{(02)} + m_{010}^{(00)} m_{001}^{(12)} m_{002}^{(01)} \\
& +m_{010}^{(01)} m_{010}^{(02)} m_{101}^{(22)} - m_{010}^{(01)} m_{010}^{(02)} m_{002}^{(20)} - m_{010}^{(01)} m_{010}^{(22)} m_{101}^{(02)} + m_{010}^{(01)} m_{010}^{(22)} m_{002}^{(00)} \\
& -m_{010}^{(01)} m_{001}^{(02)} m_{101}^{(12)} + m_{010}^{(01)} m_{001}^{(02)} m_{002}^{(10)} + m_{010}^{(01)} m_{001}^{(12)} m_{101}^{(02)} - m_{010}^{(01)} m_{001}^{(12)} m_{002}^{(00)} \\
& -(m_{010}^{(02)})^2 m_{101}^{(21)} + (m_{010}^{(02)})^2 m_{011}^{(20)} + m_{010}^{(02)} m_{010}^{(20)} m_{110}^{(22)} - m_{010}^{(02)} m_{010}^{(20)} m_{101}^{(21)} \\
& -m_{010}^{(02)} m_{010}^{(21)} m_{200}^{(22)} + m_{010}^{(02)} m_{010}^{(21)} m_{101}^{(20)} + m_{010}^{(02)} m_{010}^{(22)} m_{200}^{(21)} - m_{010}^{(02)} m_{010}^{(22)} m_{110}^{(20)} \\
& +m_{010}^{(02)} m_{010}^{(22)} m_{101}^{(01)} - m_{010}^{(02)} m_{010}^{(22)} m_{011}^{(00)} + m_{010}^{(02)} m_{001}^{(00)} m_{020}^{(22)} - m_{010}^{(02)} m_{001}^{(00)} m_{011}^{(21)} \\
& -m_{010}^{(02)} m_{001}^{(01)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(01)} m_{011}^{(20)} + m_{010}^{(02)} m_{001}^{(02)} m_{110}^{(21)} + m_{010}^{(02)} m_{001}^{(02)} m_{101}^{(11)} \\
& -m_{010}^{(02)} m_{001}^{(02)} m_{020}^{(20)} - m_{010}^{(02)} m_{001}^{(02)} m_{011}^{(10)} - m_{010}^{(02)} m_{001}^{(10)} m_{110}^{(22)} + m_{010}^{(02)} m_{001}^{(10)} m_{101}^{(21)} \\
& +m_{010}^{(02)} m_{001}^{(11)} m_{200}^{(22)} - m_{010}^{(02)} m_{001}^{(11)} m_{101}^{(20)} - m_{010}^{(02)} m_{001}^{(12)} m_{200}^{(21)} + m_{010}^{(02)} m_{001}^{(12)} m_{110}^{(20)} \\
& -m_{010}^{(02)} m_{001}^{(12)} m_{101}^{(01)} + m_{010}^{(02)} m_{001}^{(12)} m_{011}^{(00)} - m_{010}^{(20)} m_{010}^{(22)} m_{110}^{(02)} + m_{010}^{(20)} m_{010}^{(22)} m_{101}^{(01)} \\
& -m_{010}^{(20)} m_{001}^{(02)} m_{110}^{(10)} + m_{010}^{(20)} m_{001}^{(02)} m_{101}^{(11)} + m_{010}^{(20)} m_{001}^{(12)} m_{110}^{(02)} - m_{010}^{(20)} m_{001}^{(12)} m_{101}^{(01)} \\
& +m_{010}^{(21)} m_{010}^{(22)} m_{200}^{(02)} - m_{010}^{(21)} m_{010}^{(22)} m_{101}^{(00)} + m_{010}^{(21)} m_{001}^{(02)} m_{200}^{(12)} - m_{010}^{(21)} m_{001}^{(02)} m_{101}^{(10)} \\
& -m_{010}^{(21)} m_{001}^{(12)} m_{200}^{(02)} + m_{010}^{(21)} m_{001}^{(12)} m_{101}^{(00)} - (m_{010}^{(22)})^2 m_{200}^{(01)} + (m_{010}^{(22)})^2 m_{110}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(00)} m_{020}^{(02)} + m_{010}^{(22)} m_{001}^{(00)} m_{011}^{(01)} + m_{010}^{(22)} m_{001}^{(01)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(01)} m_{011}^{(00)} \\
& -m_{010}^{(22)} m_{001}^{(02)} m_{200}^{(11)} - m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(01)} + m_{010}^{(22)} m_{001}^{(02)} m_{110}^{(10)} + m_{010}^{(22)} m_{001}^{(02)} m_{020}^{(00)} \\
& +m_{010}^{(22)} m_{001}^{(10)} m_{110}^{(02)} - m_{010}^{(22)} m_{001}^{(10)} m_{101}^{(01)} - m_{010}^{(22)} m_{001}^{(11)} m_{200}^{(02)} + m_{010}^{(22)} m_{001}^{(11)} m_{101}^{(00)} \\
& +2m_{010}^{(22)} m_{001}^{(12)} m_{200}^{(01)} - 2m_{010}^{(22)} m_{001}^{(12)} m_{110}^{(00)} - m_{001}^{(00)} m_{001}^{(02)} m_{020}^{(12)} + m_{001}^{(00)} m_{001}^{(02)} m_{011}^{(11)} \\
& +m_{001}^{(00)} m_{001}^{(12)} m_{020}^{(02)} - m_{001}^{(00)} m_{001}^{(12)} m_{011}^{(01)} + m_{001}^{(01)} m_{001}^{(02)} m_{110}^{(12)} - m_{001}^{(01)} m_{001}^{(02)} m_{011}^{(10)} \\
& -m_{001}^{(01)} m_{001}^{(12)} m_{110}^{(02)} + m_{001}^{(01)} m_{001}^{(12)} m_{011}^{(00)} - (m_{001}^{(02)})^2 m_{110}^{(11)} + (m_{001}^{(02)})^2 m_{020}^{(10)} \\
& +m_{001}^{(02)} m_{001}^{(10)} m_{110}^{(12)} - m_{001}^{(02)} m_{001}^{(10)} m_{101}^{(11)} - m_{001}^{(02)} m_{001}^{(11)} m_{200}^{(12)} + m_{001}^{(02)} m_{001}^{(11)} m_{101}^{(10)} \\
& +m_{001}^{(02)} m_{001}^{(12)} m_{200}^{(11)} + m_{001}^{(02)} m_{001}^{(12)} m_{110}^{(01)} - m_{001}^{(02)} m_{001}^{(12)} m_{110}^{(10)} - m_{001}^{(02)} m_{001}^{(12)} m_{020}^{(00)} \\
& -m_{001}^{(10)} m_{001}^{(12)} m_{011}^{(02)} + m_{001}^{(10)} m_{001}^{(12)} m_{011}^{(01)} + m_{001}^{(11)} m_{001}^{(12)} m_{200}^{(02)} - m_{001}^{(11)} m_{001}^{(12)} m_{101}^{(00)} \\
& -(m_{001}^{(12)})^2 m_{200}^{(01)} + (m_{001}^{(12)})^2 m_{110}^{(00)}
\end{aligned}$$

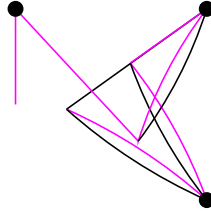
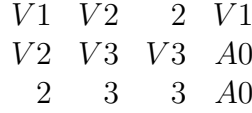
Generating graph:

$$\begin{array}{cccc}
V1 & V2 & V2 & V1 \\
& 1 & 2 & V3 \ A0 \\
V3 & 3 & 3 & A0
\end{array}$$



$$\begin{aligned}
& +m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(22)} m_{110}^{(11)} m_{002}^{(00)} - m_{000}^{(22)} m_{110}^{(12)} m_{101}^{(10)} \\
& +m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(00)} - m_{000}^{(22)} m_{110}^{(20)} m_{101}^{(11)} + m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(10)} \\
& +m_{000}^{(22)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(22)} m_{110}^{(22)} m_{020}^{(00)} - m_{000}^{(22)} m_{101}^{(01)} m_{101}^{(11)} + m_{000}^{(22)} m_{101}^{(01)} m_{011}^{(01)} \\
& -m_{000}^{(22)} m_{101}^{(02)} m_{020}^{(01)} + m_{000}^{(22)} m_{101}^{(10)} m_{101}^{(11)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(02)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(20)} \\
& -m_{000}^{(22)} m_{101}^{(10)} m_{011}^{(10)} - m_{000}^{(22)} m_{101}^{(20)} m_{020}^{(01)} + m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(02)} + m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(20)} \\
& -m_{000}^{(22)} m_{020}^{(00)} m_{002}^{(10)} + m_{000}^{(22)} m_{020}^{(01)} m_{002}^{(00)} - m_{000}^{(22)} m_{020}^{(02)} m_{011}^{(00)} - m_{000}^{(22)} m_{020}^{(20)} m_{011}^{(00)} \\
& -m_{000}^{(22)} m_{011}^{(00)} m_{011}^{(01)} + m_{000}^{(22)} m_{011}^{(00)} m_{011}^{(10)}
\end{aligned}$$

Generating graph:



$$\begin{aligned}
P_{50}^{(1)} = & -m_{000}^{(00)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(00)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(00)} m_{200}^{(12)} m_{002}^{(11)} \\
& +m_{000}^{(00)} m_{200}^{(21)} m_{020}^{(22)} - m_{000}^{(00)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{200}^{(22)} m_{020}^{(21)} + m_{000}^{(00)} m_{200}^{(22)} m_{011}^{(11)} \\
& +m_{000}^{(00)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(00)} m_{110}^{(01)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(00)} m_{110}^{(02)} m_{002}^{(11)} \\
& +m_{000}^{(00)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(00)} m_{110}^{(10)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(10)} \\
& -2m_{000}^{(00)} m_{110}^{(20)} m_{020}^{(22)} + 2m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(12)} + m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(20)} m_{002}^{(10)} \\
& -m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(20)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(10)} + 2m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(20)} - 2m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(00)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(00)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(00)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(02)} m_{011}^{(11)} \\
& +m_{000}^{(00)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(12)} - 2m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(21)} + 2m_{000}^{(00)} m_{101}^{(10)} m_{002}^{(10)} \\
& +2m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(20)} - 2m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(10)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(10)} \\
& +m_{000}^{(00)} m_{101}^{(20)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(20)} m_{011}^{(11)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(20)} + m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(10)} \\
& -m_{000}^{(00)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(20)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(10)} \\
& -m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(01)} + m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(01)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(00)} + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(00)} \\
& -m_{000}^{(00)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(00)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(00)} m_{011}^{(00)} m_{002}^{(11)} - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(20)} \\
& +m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(10)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(00)} m_{011}^{(10)} m_{002}^{(01)} + m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(00)} \\
& +m_{000}^{(10)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(10)} m_{200}^{(11)} m_{002}^{(02)} - m_{000}^{(10)} m_{200}^{(10)} m_{101}^{(21)} + m_{000}^{(10)} m_{200}^{(12)} m_{002}^{(01)} \\
& +m_{000}^{(10)} m_{200}^{(20)} m_{020}^{(22)} - m_{000}^{(10)} m_{200}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{200}^{(20)} m_{011}^{(21)} + m_{000}^{(10)} m_{200}^{(20)} m_{002}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& -2m_{000}^{(10)} m_{200}^{(21)} m_{110}^{(22)} + m_{000}^{(10)} m_{200}^{(21)} m_{101}^{(12)} + m_{000}^{(10)} m_{200}^{(21)} m_{011}^{(02)} + m_{000}^{(10)} m_{200}^{(21)} m_{011}^{(20)} \\
& -m_{000}^{(10)} m_{200}^{(21)} m_{002}^{(10)} + 2m_{000}^{(10)} m_{200}^{(22)} m_{110}^{(21)} - m_{000}^{(10)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(10)} m_{200}^{(22)} m_{020}^{(20)} \\
& -m_{000}^{(10)} m_{200}^{(22)} m_{011}^{(01)} + m_{000}^{(10)} m_{200}^{(22)} m_{011}^{(10)} - m_{000}^{(10)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(02)} \\
& + m_{000}^{(10)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(01)} - m_{000}^{(10)} m_{110}^{(02)} m_{101}^{(22)} + m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(02)} \\
& + m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(00)} + m_{000}^{(10)} m_{110}^{(20)} m_{101}^{(21)} - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(01)} \\
& -2m_{000}^{(10)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(10)} m_{110}^{(21)} m_{101}^{(20)} + m_{000}^{(10)} m_{110}^{(21)} m_{002}^{(00)} + 2m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(01)} \\
& -m_{000}^{(10)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(21)} - m_{000}^{(10)} m_{101}^{(00)} m_{002}^{(11)} \\
& -m_{000}^{(10)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(02)} - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(10)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(10)} m_{101}^{(01)} m_{101}^{(21)} - m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(01)} - m_{000}^{(10)} m_{101}^{(01)} m_{101}^{(20)} + m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(00)} \\
& -m_{000}^{(10)} m_{101}^{(20)} m_{020}^{(02)} + 2m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(01)} - 2m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(00)} + m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(00)} \\
& -m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(02)} + m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(01)} + 2m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(01)} - 2m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(02)} \\
& -m_{000}^{(20)} m_{200}^{(10)} m_{020}^{(22)} + m_{000}^{(20)} m_{200}^{(10)} m_{011}^{(12)} + m_{000}^{(20)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(20)} m_{200}^{(10)} m_{002}^{(11)} \\
& + m_{000}^{(20)} m_{200}^{(11)} m_{110}^{(22)} - 2m_{000}^{(20)} m_{200}^{(11)} m_{101}^{(12)} + m_{000}^{(20)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(20)} m_{200}^{(11)} m_{011}^{(20)} \\
& + m_{000}^{(20)} m_{200}^{(11)} m_{002}^{(10)} - m_{000}^{(20)} m_{200}^{(12)} m_{110}^{(21)} + 2m_{000}^{(20)} m_{200}^{(12)} m_{101}^{(11)} + m_{000}^{(20)} m_{200}^{(12)} m_{020}^{(20)} \\
& -m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(10)} + m_{000}^{(20)} m_{200}^{(12)} m_{110}^{(12)} - m_{000}^{(20)} m_{200}^{(12)} m_{020}^{(02)} \\
& -m_{000}^{(20)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(20)} m_{200}^{(22)} m_{020}^{(01)} + m_{000}^{(20)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(12)} \\
& -m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(00)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(01)} m_{110}^{(22)} + 2m_{000}^{(20)} m_{110}^{(01)} m_{101}^{(12)} \\
& -m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(02)} + m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(20)} m_{110}^{(02)} m_{110}^{(21)} \\
& -2m_{000}^{(20)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(20)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(01)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(20)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(12)} - m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(21)} - 2m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(02)} \\
& + m_{000}^{(20)} m_{110}^{(10)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(11)} m_{011}^{(02)} + m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(20)} m_{110}^{(12)} m_{110}^{(10)} - m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(01)} - m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(10)} + 2m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(00)} \\
& + m_{000}^{(20)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(00)} + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(02)} - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(02)} - m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(00)} - m_{000}^{(20)} m_{101}^{(20)} m_{020}^{(01)} + m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(00)} \\
& + 2m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(02)} - m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(01)} + m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(00)} - 2m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{50}^{(2)} = & -m_{000}^{(01)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{200}^{(21)} m_{020}^{(22)} - m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(01)} m_{200}^{(22)} m_{020}^{(21)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(01)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(12)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(10)} \\
& -2m_{000}^{(01)} m_{110}^{(20)} m_{020}^{(22)} + 2m_{000}^{(01)} m_{110}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{110}^{(20)} m_{011}^{(21)} - m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(11)} \\
& -m_{000}^{(01)} m_{110}^{(21)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(10)} + 2m_{000}^{(01)} m_{110}^{(22)} m_{020}^{(20)} - 2m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(01)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(01)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(12)} - 2m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(21)} + 2m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(11)} \\
& + 2m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(20)} - 2m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(10)} - m_{000}^{(01)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(10)} \\
& + m_{000}^{(01)} m_{101}^{(20)} m_{020}^{(21)} - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(11)} - m_{000}^{(01)} m_{101}^{(21)} m_{020}^{(20)} + m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(01)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(01)} m_{020}^{(01)} m_{011}^{(20)} - m_{000}^{(01)} m_{020}^{(01)} m_{002}^{(10)} \\
& -m_{000}^{(01)} m_{020}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{020}^{(02)} m_{002}^{(11)} - m_{000}^{(01)} m_{020}^{(02)} m_{002}^{(10)} + m_{000}^{(01)} m_{020}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{011}^{(00)} m_{101}^{(12)} + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(11)} - m_{000}^{(01)} m_{011}^{(01)} m_{011}^{(20)}
\end{aligned}$$

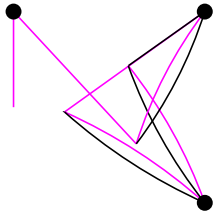
$$\begin{aligned}
& +m_{000}^{(01)} m_{011}^{(01)} m_{002}^{(10)} + m_{000}^{(01)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(01)} + m_{000}^{(01)} m_{011}^{(11)} m_{002}^{(00)} \\
& +m_{000}^{(11)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(11)} m_{200}^{(11)} m_{002}^{(02)} - m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(21)} + m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(01)} \\
& +m_{000}^{(11)} m_{200}^{(20)} m_{020}^{(22)} - m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(12)} - m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(21)} + m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(11)} \\
& -2m_{000}^{(11)} m_{200}^{(21)} m_{110}^{(22)} + m_{000}^{(11)} m_{200}^{(21)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(21)} m_{011}^{(02)} + m_{000}^{(11)} m_{200}^{(21)} m_{011}^{(20)} \\
& -m_{000}^{(11)} m_{200}^{(21)} m_{002}^{(10)} + 2m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(21)} - m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(11)} m_{200}^{(22)} m_{020}^{(20)} \\
& -m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(01)} + m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(10)} - m_{000}^{(11)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(11)} m_{110}^{(01)} m_{002}^{(02)} \\
& +m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(01)} - m_{000}^{(11)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(11)} m_{110}^{(10)} m_{002}^{(02)} \\
& +m_{000}^{(11)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(11)} m_{110}^{(12)} m_{002}^{(00)} + m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(21)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(01)} \\
& -2m_{000}^{(11)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(11)} m_{110}^{(21)} m_{101}^{(20)} + m_{000}^{(11)} m_{110}^{(21)} m_{002}^{(00)} + 2m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(01)} \\
& -m_{000}^{(11)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(01)} - m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(11)} \\
& -m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(02)} - m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(11)} m_{101}^{(01)} m_{002}^{(10)} \\
& +m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(11)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(10)} \\
& +m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(21)} - m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(01)} - m_{000}^{(11)} m_{101}^{(11)} m_{101}^{(20)} + m_{000}^{(11)} m_{101}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(11)} m_{101}^{(20)} m_{020}^{(02)} + 2m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(01)} - 2m_{000}^{(11)} m_{101}^{(21)} m_{011}^{(00)} + m_{000}^{(11)} m_{101}^{(22)} m_{020}^{(00)} \\
& -m_{000}^{(11)} m_{020}^{(00)} m_{002}^{(02)} + m_{000}^{(11)} m_{020}^{(00)} m_{002}^{(01)} + 2m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(01)} - 2m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(00)} \\
& -m_{000}^{(21)} m_{200}^{(10)} m_{020}^{(22)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(12)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(11)} \\
& +m_{000}^{(21)} m_{200}^{(11)} m_{110}^{(22)} - 2m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(12)} + m_{000}^{(21)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(21)} m_{200}^{(11)} m_{011}^{(20)} \\
& +m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(10)} - m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(21)} + 2m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(11)} + m_{000}^{(21)} m_{200}^{(12)} m_{020}^{(20)} \\
& -m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(01)} - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(12)} - m_{000}^{(21)} m_{200}^{(12)} m_{020}^{(02)} \\
& -m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(01)} + m_{000}^{(21)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(12)} \\
& -m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(11)} - m_{000}^{(21)} m_{110}^{(01)} m_{110}^{(22)} + 2m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(12)} \\
& -m_{000}^{(21)} m_{110}^{(01)} m_{011}^{(02)} + m_{000}^{(21)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(21)} m_{110}^{(02)} m_{110}^{(21)} \\
& -2m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(21)} m_{110}^{(02)} m_{020}^{(20)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(01)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(10)} \\
& +m_{000}^{(21)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(12)} - m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(21)} - 2m_{000}^{(21)} m_{110}^{(10)} m_{011}^{(02)} \\
& +m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(11)} + m_{000}^{(21)} m_{110}^{(11)} m_{011}^{(02)} + m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(21)} m_{110}^{(12)} m_{110}^{(10)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(01)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(10)} + 2m_{000}^{(21)} m_{110}^{(12)} m_{011}^{(00)} \\
& +m_{000}^{(21)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(21)} m_{110}^{(22)} m_{002}^{(00)} + m_{000}^{(21)} m_{101}^{(01)} m_{020}^{(02)} - m_{000}^{(21)} m_{101}^{(02)} m_{020}^{(01)} \\
& +m_{000}^{(21)} m_{101}^{(10)} m_{020}^{(02)} - m_{000}^{(21)} m_{101}^{(12)} m_{002}^{(00)} - m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(01)} + m_{000}^{(21)} m_{101}^{(21)} m_{020}^{(00)} \\
& +2m_{000}^{(21)} m_{020}^{(00)} m_{011}^{(02)} - m_{000}^{(21)} m_{020}^{(00)} m_{002}^{(01)} + m_{000}^{(21)} m_{020}^{(01)} m_{002}^{(00)} - 2m_{000}^{(21)} m_{020}^{(02)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{50}^{(3)} = & -m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(02)} m_{200}^{(12)} m_{002}^{(11)} \\
& +m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(22)} - m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(21)} + m_{000}^{(02)} m_{200}^{(22)} m_{011}^{(11)} \\
& +m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(12)} - m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(02)} m_{110}^{(02)} m_{002}^{(11)} \\
& +m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(12)} - m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(20)} + m_{000}^{(02)} m_{110}^{(12)} m_{002}^{(10)} \\
& -2m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(22)} + 2m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(21)} - m_{000}^{(02)} m_{110}^{(20)} m_{002}^{(11)} \\
& -m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(20)} + m_{000}^{(02)} m_{110}^{(21)} m_{002}^{(10)} + 2m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(20)} - 2m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(11)} \\
& +m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(02)} m_{101}^{(10)} m_{011}^{(12)} - 2m_{000}^{(02)} m_{101}^{(10)} m_{011}^{(21)} + 2m_{000}^{(02)} m_{101}^{(10)} m_{002}^{(11)} \\
& +2m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(20)} - 2m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(10)} - m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(10)} \\
& +m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(20)} m_{011}^{(11)} - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(02)} m_{020}^{(02)} m_{011}^{(20)} - m_{000}^{(02)} m_{020}^{(02)} m_{002}^{(10)} \\
& -m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(02)} + m_{000}^{(02)} m_{020}^{(20)} m_{002}^{(01)} - m_{000}^{(02)} m_{020}^{(21)} m_{002}^{(00)} + m_{000}^{(02)} m_{020}^{(22)} m_{011}^{(00)} \\
& -m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(02)} m_{011}^{(00)} m_{002}^{(11)} - m_{000}^{(02)} m_{011}^{(01)} m_{011}^{(20)} \\
& + m_{000}^{(02)} m_{011}^{(01)} m_{002}^{(10)} + m_{000}^{(02)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(02)} m_{011}^{(01)} m_{002}^{(01)} + m_{000}^{(02)} m_{011}^{(01)} m_{002}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(02)} - m_{000}^{(12)} m_{200}^{(12)} m_{101}^{(21)} + m_{000}^{(12)} m_{200}^{(12)} m_{002}^{(01)} \\
& + m_{000}^{(12)} m_{200}^{(20)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(12)} - m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(21)} + m_{000}^{(12)} m_{200}^{(20)} m_{002}^{(11)} \\
& - 2m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(12)} + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(02)} + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(20)} \\
& - m_{000}^{(12)} m_{200}^{(21)} m_{002}^{(10)} + 2m_{000}^{(12)} m_{200}^{(22)} m_{110}^{(21)} - m_{000}^{(12)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(12)} m_{200}^{(22)} m_{020}^{(20)} \\
& - m_{000}^{(12)} m_{200}^{(22)} m_{011}^{(01)} + m_{000}^{(12)} m_{200}^{(22)} m_{011}^{(10)} - m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(02)} \\
& + m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(02)} m_{002}^{(01)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(02)} \\
& + m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(12)} m_{110}^{(12)} m_{002}^{(00)} + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(20)} m_{002}^{(01)} \\
& - 2m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(20)} + m_{000}^{(12)} m_{110}^{(21)} m_{002}^{(00)} + 2m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(01)} \\
& - m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(21)} - m_{000}^{(12)} m_{101}^{(00)} m_{002}^{(11)} \\
& - m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(02)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(12)} m_{101}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(12)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(12)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(12)} m_{101}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(12)} m_{101}^{(10)} m_{101}^{(21)} - m_{000}^{(12)} m_{101}^{(10)} m_{002}^{(01)} - m_{000}^{(12)} m_{101}^{(11)} m_{101}^{(20)} + m_{000}^{(12)} m_{101}^{(11)} m_{002}^{(00)} \\
& - m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(02)} + 2m_{000}^{(12)} m_{101}^{(20)} m_{011}^{(01)} - 2m_{000}^{(12)} m_{101}^{(21)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(02)} + m_{000}^{(12)} m_{020}^{(02)} m_{002}^{(00)} + 2m_{000}^{(12)} m_{011}^{(00)} m_{002}^{(01)} - 2m_{000}^{(12)} m_{011}^{(01)} m_{002}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(22)} + m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(12)} + m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(22)} m_{200}^{(10)} m_{002}^{(11)} \\
& + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(22)} - 2m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(12)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(20)} \\
& + m_{000}^{(22)} m_{200}^{(11)} m_{002}^{(10)} - m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(21)} + 2m_{000}^{(22)} m_{200}^{(12)} m_{101}^{(11)} + m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(20)} \\
& - m_{000}^{(22)} m_{200}^{(12)} m_{011}^{(01)} - m_{000}^{(22)} m_{200}^{(12)} m_{011}^{(10)} + m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(02)} \\
& - m_{000}^{(22)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(22)} m_{020}^{(01)} + m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(12)} \\
& - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(22)} m_{110}^{(00)} m_{002}^{(11)} - m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(22)} + 2m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(12)} \\
& - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(02)} + m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(22)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(21)} \\
& - 2m_{000}^{(22)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(02)} m_{020}^{(01)} + m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(12)} - m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(21)} - 2m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(02)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{002}^{(11)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(22)} m_{110}^{(11)} m_{002}^{(00)} \\
& - m_{000}^{(22)} m_{110}^{(12)} m_{110}^{(20)} - m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(10)} + 2m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(00)} \\
& + m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(22)} m_{110}^{(22)} m_{020}^{(00)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(02)} - m_{000}^{(22)} m_{101}^{(02)} m_{020}^{(01)} \\
& + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(02)} - m_{000}^{(22)} m_{101}^{(12)} m_{020}^{(00)} + m_{000}^{(22)} m_{101}^{(20)} m_{020}^{(01)} - m_{000}^{(22)} m_{101}^{(21)} m_{020}^{(00)} \\
& + 2m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(02)} - m_{000}^{(22)} m_{020}^{(00)} m_{002}^{(01)} + m_{000}^{(22)} m_{020}^{(01)} m_{002}^{(00)} - 2m_{000}^{(22)} m_{020}^{(02)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 2 & V2 & V1 \\
V2 & V3 & V3 & A0 \\
2 & 3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{51}^{(1)} = & -m_{000}^{(00)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{200}^{(11)} m_{002}^{(21)} + m_{000}^{(00)} m_{200}^{(12)} m_{020}^{(22)} - m_{000}^{(00)} m_{200}^{(12)} m_{011}^{(21)} \\
& + m_{000}^{(00)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{200}^{(21)} m_{002}^{(11)} - m_{000}^{(00)} m_{200}^{(22)} m_{020}^{(12)} + m_{000}^{(00)} m_{200}^{(22)} m_{011}^{(11)} \\
& - m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(20)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(20)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(10)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(10)} \\
& + m_{000}^{(01)} m_{200}^{(10)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(10)} m_{002}^{(21)} + m_{000}^{(01)} m_{200}^{(11)} m_{011}^{(22)} - 2m_{000}^{(01)} m_{200}^{(12)} m_{110}^{(22)} \\
& + m_{000}^{(01)} m_{200}^{(12)} m_{101}^{(21)} - m_{000}^{(01)} m_{200}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(20)} m_{002}^{(11)} - m_{000}^{(01)} m_{200}^{(21)} m_{101}^{(12)} \\
& + 2m_{000}^{(01)} m_{200}^{(22)} m_{110}^{(12)} - m_{000}^{(01)} m_{200}^{(22)} m_{101}^{(11)} - 2m_{000}^{(01)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(20)} \\
& - m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(20)} + 2m_{000}^{(01)} m_{110}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(10)} + m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(10)} \\
& + m_{000}^{(01)} m_{101}^{(10)} m_{101}^{(21)} - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(20)} - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(20)} + m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{200}^{(10)} m_{020}^{(20)} + m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(11)} m_{110}^{(22)} - 2m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(21)} \\
& + m_{000}^{(02)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(02)} m_{200}^{(20)} m_{020}^{(12)} - m_{000}^{(02)} m_{200}^{(20)} m_{011}^{(11)} - m_{000}^{(02)} m_{200}^{(21)} m_{110}^{(12)} \\
& + 2m_{000}^{(02)} m_{200}^{(21)} m_{101}^{(11)} - m_{000}^{(02)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(02)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(21)} \\
& - m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(20)} + 2m_{000}^{(02)} m_{110}^{(20)} m_{101}^{(11)} - m_{000}^{(02)} m_{110}^{(22)} m_{110}^{(20)} - m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(10)} - 2m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(20)} - m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(10)} \\
& + m_{000}^{(10)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(10)} m_{200}^{(01)} m_{002}^{(21)} - m_{000}^{(10)} m_{200}^{(02)} m_{020}^{(22)} + m_{000}^{(10)} m_{200}^{(02)} m_{011}^{(21)} \\
& - m_{000}^{(10)} m_{200}^{(02)} m_{011}^{(01)} + m_{000}^{(10)} m_{200}^{(02)} m_{002}^{(01)} + m_{000}^{(10)} m_{200}^{(02)} m_{020}^{(02)} - m_{000}^{(10)} m_{200}^{(02)} m_{011}^{(01)} \\
& + m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(20)} - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(20)} - m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(00)} + m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(00)} - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(00)} m_{002}^{(21)} - m_{000}^{(11)} m_{200}^{(01)} m_{101}^{(22)} + 2m_{000}^{(11)} m_{200}^{(02)} m_{110}^{(22)} \\
& - m_{000}^{(11)} m_{200}^{(02)} m_{101}^{(21)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(01)} - m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(01)} + m_{000}^{(11)} m_{200}^{(02)} m_{101}^{(01)} \\
& - 2m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(02)} + m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(01)} + 2m_{000}^{(11)} m_{110}^{(00)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(20)} \\
& + m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(20)} - 2m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(02)} + m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(00)} - m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(00)} \\
& - m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(21)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(20)} + m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(20)} - m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(00)} m_{011}^{(21)} - m_{000}^{(12)} m_{200}^{(01)} m_{110}^{(22)} + 2m_{000}^{(12)} m_{200}^{(01)} m_{101}^{(21)} \\
& - m_{000}^{(12)} m_{200}^{(02)} m_{110}^{(21)} - m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(20)} + m_{000}^{(12)} m_{200}^{(02)} m_{011}^{(01)} + m_{000}^{(12)} m_{200}^{(02)} m_{110}^{(02)} \\
& - 2m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(01)} + m_{000}^{(12)} m_{200}^{(22)} m_{110}^{(01)} - m_{000}^{(12)} m_{110}^{(00)} m_{110}^{(22)} - m_{000}^{(12)} m_{110}^{(00)} m_{101}^{(21)} \\
& + m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(20)} - 2m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(20)} + m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(20)} + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(01)} \\
& - m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(00)} + 2m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(00)} - m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(20)} + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(00)} \\
& - m_{000}^{(20)} m_{200}^{(01)} m_{011}^{(12)} + m_{000}^{(20)} m_{200}^{(01)} m_{002}^{(11)} + m_{000}^{(20)} m_{200}^{(02)} m_{020}^{(12)} - m_{000}^{(20)} m_{200}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(20)} m_{200}^{(11)} m_{002}^{(01)} - m_{000}^{(20)} m_{200}^{(12)} m_{020}^{(02)} + m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(01)} \\
& - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(10)} + m_{000}^{(20)} m_{110}^{(02)} m_{002}^{(00)} - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(00)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(10)} - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(10)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(00)} + m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(00)} m_{011}^{(12)} - m_{000}^{(21)} m_{200}^{(00)} m_{002}^{(11)} + m_{000}^{(21)} m_{200}^{(01)} m_{101}^{(12)} - 2m_{000}^{(21)} m_{200}^{(02)} m_{110}^{(12)} \\
& + m_{000}^{(21)} m_{200}^{(02)} m_{101}^{(11)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(02)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(02)} m_{101}^{(01)} \\
& + 2m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(02)} - m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(01)} - 2m_{000}^{(21)} m_{110}^{(00)} m_{101}^{(12)} + m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(20)} \\
& - m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} + 2m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(01)} - m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(00)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(00)} \\
& + m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(10)} - m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(10)} + m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(00)} m_{020}^{(12)} + m_{000}^{(22)} m_{200}^{(00)} m_{011}^{(11)} + m_{000}^{(22)} m_{200}^{(01)} m_{110}^{(12)} - 2m_{000}^{(22)} m_{200}^{(01)} m_{101}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(22)} m_{200}^{(02)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(02)} - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(01)} - m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(02)} \\
& + 2m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(01)} - m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(01)} + m_{000}^{(22)} m_{110}^{(00)} m_{110}^{(12)} + m_{000}^{(22)} m_{110}^{(00)} m_{101}^{(11)} \\
& - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(10)} + 2m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(10)} - m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(10)} - m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(00)} - 2m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(00)} + m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(10)} - m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{51}^{(2)} = & -2m_{000}^{(00)} m_{110}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(21)} + 2m_{000}^{(00)} m_{110}^{(12)} m_{020}^{(22)} - m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(21)} \\
& + 2m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(11)} - 2m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(12)} + m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(11)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(10)} m_{011}^{(22)} - m_{000}^{(00)} m_{020}^{(11)} m_{002}^{(20)} + m_{000}^{(00)} m_{020}^{(12)} m_{011}^{(20)} - m_{000}^{(00)} m_{020}^{(20)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(10)} - m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(10)} - m_{000}^{(00)} m_{011}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{011}^{(11)} m_{011}^{(20)} \\
& + m_{000}^{(01)} m_{200}^{(11)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{020}^{(22)} - m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{020}^{(12)} \\
& - m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(21)} + m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(21)} + m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(11)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(11)} \\
& + m_{000}^{(01)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(20)} + m_{000}^{(01)} m_{101}^{(12)} m_{020}^{(20)} - m_{000}^{(01)} m_{101}^{(20)} m_{020}^{(12)} \\
& + m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(10)} - m_{000}^{(01)} m_{101}^{(22)} m_{020}^{(10)} + m_{000}^{(01)} m_{020}^{(10)} m_{002}^{(20)} - m_{000}^{(01)} m_{020}^{(11)} m_{002}^{(10)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(21)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(11)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(11)} \\
& - m_{000}^{(02)} m_{110}^{(10)} m_{020}^{(22)} + 2m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(21)} + m_{000}^{(02)} m_{110}^{(11)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(21)} \\
& + m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(20)} - m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(21)} - m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(20)} + m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(12)} \\
& - 2m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(11)} + m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(11)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(10)} + m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(10)} \\
& - m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(21)} + m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(11)} - 2m_{000}^{(02)} m_{020}^{(10)} m_{011}^{(20)} + 2m_{000}^{(02)} m_{020}^{(10)} m_{011}^{(10)} \\
& + 2m_{000}^{(10)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(21)} - 2m_{000}^{(10)} m_{110}^{(02)} m_{020}^{(22)} + m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(21)} \\
& - 2m_{000}^{(10)} m_{110}^{(21)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(21)} m_{002}^{(01)} + 2m_{000}^{(10)} m_{110}^{(22)} m_{020}^{(02)} - m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(21)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(01)} \\
& - m_{000}^{(10)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(10)} m_{020}^{(01)} m_{002}^{(20)} - m_{000}^{(10)} m_{020}^{(02)} m_{011}^{(20)} + m_{000}^{(10)} m_{020}^{(20)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{020}^{(21)} m_{002}^{(00)} + m_{000}^{(10)} m_{020}^{(22)} m_{011}^{(00)} + m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(20)} \\
& - m_{000}^{(11)} m_{200}^{(01)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{020}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(02)} - m_{000}^{(11)} m_{200}^{(02)} m_{020}^{(02)} \\
& + m_{000}^{(11)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(01)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(01)} \\
& - m_{000}^{(11)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(20)} - m_{000}^{(11)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(11)} m_{101}^{(20)} m_{020}^{(02)} \\
& - m_{000}^{(11)} m_{101}^{(21)} m_{002}^{(00)} + m_{000}^{(11)} m_{101}^{(22)} m_{020}^{(00)} - m_{000}^{(11)} m_{020}^{(00)} m_{002}^{(20)} + m_{000}^{(11)} m_{020}^{(01)} m_{002}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(21)} - m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(01)} + m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(01)} \\
& + m_{000}^{(12)} m_{110}^{(00)} m_{020}^{(22)} - 2m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(12)} m_{110}^{(01)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(21)} \\
& - m_{000}^{(12)} m_{110}^{(01)} m_{011}^{(20)} + m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(21)} + m_{000}^{(12)} m_{110}^{(02)} m_{020}^{(20)} - m_{000}^{(12)} m_{110}^{(20)} m_{020}^{(02)} \\
& + 2m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(01)} + m_{000}^{(12)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(12)} m_{110}^{(22)} m_{020}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(12)} m_{101}^{(01)} m_{020}^{(20)} + 2m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(20)} - 2m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(00)} \\
& - 2m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(12)} + m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(11)} + 2m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(12)} - m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(11)} \\
& + 2m_{000}^{(20)} m_{110}^{(11)} m_{011}^{(02)} - m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(01)} - 2m_{000}^{(20)} m_{110}^{(12)} m_{020}^{(02)} + m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(11)} - m_{000}^{(20)} m_{101}^{(02)} m_{110}^{(11)} - m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(12)} - m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(10)} + m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(10)} - m_{000}^{(20)} m_{020}^{(10)} m_{011}^{(02)} \\
& + m_{000}^{(20)} m_{020}^{(11)} m_{002}^{(00)} - m_{000}^{(20)} m_{020}^{(12)} m_{011}^{(00)} - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(10)} \\
& + m_{000}^{(21)} m_{200}^{(01)} m_{011}^{(12)} - m_{000}^{(21)} m_{200}^{(02)} m_{020}^{(12)} - m_{000}^{(21)} m_{200}^{(01)} m_{011}^{(02)} + m_{000}^{(21)} m_{200}^{(02)} m_{020}^{(02)} \\
& - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(11)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(11)} + m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(01)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(01)}
\end{aligned}$$

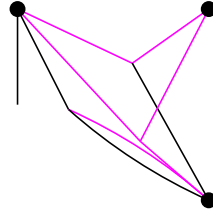
$$\begin{aligned}
& +m_{000}^{(21)} m_{101}^{(00)} m_{020}^{(12)} - m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(10)} + m_{000}^{(21)} m_{101}^{(02)} m_{020}^{(10)} - m_{000}^{(21)} m_{101}^{(10)} m_{020}^{(02)} \\
& +m_{000}^{(21)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(12)} m_{020}^{(00)} + m_{000}^{(21)} m_{020}^{(00)} m_{002}^{(10)} - m_{000}^{(21)} m_{020}^{(10)} m_{002}^{(00)} \\
& -m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(11)} + m_{000}^{(22)} m_{200}^{(02)} m_{020}^{(11)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(01)} - m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(01)} \\
& -m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(12)} + 2m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(11)} + m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(12)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(11)} \\
& +m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(10)} - m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(11)} - m_{000}^{(22)} m_{110}^{(02)} m_{020}^{(10)} + m_{000}^{(22)} m_{110}^{(10)} m_{020}^{(02)} \\
& -2m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(01)} - m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(00)} + m_{000}^{(22)} m_{110}^{(12)} m_{020}^{(00)} \\
& -m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(11)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(01)} - 2m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(10)} + 2m_{000}^{(22)} m_{020}^{(10)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{51}^{(3)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(12)} \\
& -m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} + 2m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(21)} + m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(22)} - 2m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} \\
& +m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(11)} - 2m_{000}^{(00)} m_{101}^{(12)} m_{002}^{(11)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(12)} + 2m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(12)} \\
& +m_{000}^{(00)} m_{020}^{(10)} m_{002}^{(22)} - m_{000}^{(00)} m_{020}^{(12)} m_{002}^{(12)} - m_{000}^{(00)} m_{011}^{(10)} m_{011}^{(22)} - m_{000}^{(00)} m_{011}^{(10)} m_{002}^{(21)} \\
& -m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(20)} + m_{000}^{(00)} m_{011}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{011}^{(20)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(21)} m_{002}^{(10)} \\
& +m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(21)} + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(21)} \\
& -m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(22)} + m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(12)} \\
& +2m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(22)} - m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(21)} - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(22)} - m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(20)} \\
& +m_{000}^{(01)} m_{101}^{(12)} m_{101}^{(21)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(20)} - 2m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(12)} m_{002}^{(21)} \\
& +m_{000}^{(01)} m_{101}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(10)} + 2m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(20)} - 2m_{000}^{(01)} m_{011}^{(20)} m_{002}^{(10)} \\
& -m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{002}^{(11)} - m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(11)} \\
& +m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(21)} + m_{000}^{(02)} m_{110}^{(11)} m_{002}^{(20)} - m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(21)} - m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(20)} \\
& -m_{000}^{(02)} m_{110}^{(20)} m_{002}^{(11)} - m_{000}^{(02)} m_{110}^{(21)} m_{002}^{(10)} + m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(22)} + m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(21)} - m_{000}^{(02)} m_{020}^{(10)} m_{002}^{(20)} + m_{000}^{(02)} m_{020}^{(12)} m_{002}^{(10)} \\
& +m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(22)} - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(21)} + m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(21)} \\
& +m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(22)} - 2m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(21)} - m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(22)} + 2m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(21)} \\
& -m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(21)} + 2m_{000}^{(10)} m_{101}^{(02)} m_{002}^{(21)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(21)} - 2m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(21)} \\
& -m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(22)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(21)} + m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(22)} + m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(21)} \\
& +m_{000}^{(10)} m_{011}^{(01)} m_{002}^{(20)} - m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(20)} - m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(21)} - m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(20)} \\
& -m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(21)} - m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(21)} \\
& +m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(21)} + m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(21)} \\
& -2m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(21)} + m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(22)} + m_{000}^{(11)} m_{101}^{(01)} m_{002}^{(20)} \\
& -m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(21)} - m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(20)} + 2m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(21)} - m_{000}^{(11)} m_{101}^{(02)} m_{002}^{(21)} \\
& -m_{000}^{(11)} m_{101}^{(21)} m_{002}^{(00)} + m_{000}^{(11)} m_{101}^{(22)} m_{002}^{(00)} - 2m_{000}^{(11)} m_{011}^{(00)} m_{020}^{(20)} + 2m_{000}^{(11)} m_{011}^{(20)} m_{002}^{(00)} \\
& +m_{000}^{(12)} m_{200}^{(01)} m_{002}^{(21)} - m_{000}^{(12)} m_{200}^{(02)} m_{011}^{(21)} - m_{000}^{(12)} m_{200}^{(02)} m_{002}^{(21)} + m_{000}^{(12)} m_{200}^{(02)} m_{011}^{(21)} \\
& -m_{000}^{(12)} m_{110}^{(00)} m_{002}^{(21)} - m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(20)} + m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(21)} + m_{000}^{(12)} m_{110}^{(02)} m_{011}^{(20)} \\
& +m_{000}^{(12)} m_{110}^{(20)} m_{002}^{(01)} + m_{000}^{(12)} m_{110}^{(21)} m_{002}^{(00)} - m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(01)} - m_{000}^{(12)} m_{110}^{(22)} m_{011}^{(00)} \\
& +m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(21)} - m_{000}^{(12)} m_{020}^{(02)} m_{002}^{(20)} \\
& -m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(12)} + m_{000}^{(20)} m_{110}^{(02)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(11)} \\
& -m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(12)} + 2m_{000}^{(20)} m_{101}^{(01)} m_{002}^{(11)} + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(12)} - 2m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} \\
& +m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} - 2m_{000}^{(20)} m_{101}^{(02)} m_{002}^{(11)} - m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(12)} + 2m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(11)} \\
& +m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(12)} - m_{000}^{(20)} m_{020}^{(02)} m_{002}^{(11)} - m_{000}^{(20)} m_{011}^{(00)} m_{101}^{(12)} - m_{000}^{(20)} m_{011}^{(00)} m_{002}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(20)} m_{011}^{(01)} m_{002}^{(10)} + m_{000}^{(20)} m_{011}^{(02)} m_{011}^{(10)} + m_{000}^{(20)} m_{011}^{(10)} m_{002}^{(01)} + m_{000}^{(20)} m_{011}^{(11)} m_{002}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(12)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(12)} - m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(02)} + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(02)} \\
& - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(12)} + m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(02)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(02)} \\
& + 2m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(12)} - m_{000}^{(21)} m_{101}^{(00)} m_{002}^{(11)} - m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(21)} m_{101}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(21)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(10)} - 2m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} + m_{000}^{(21)} m_{101}^{(10)} m_{002}^{(01)} \\
& + m_{000}^{(21)} m_{101}^{(11)} m_{002}^{(00)} - m_{000}^{(21)} m_{101}^{(12)} m_{011}^{(00)} + 2m_{000}^{(21)} m_{011}^{(00)} m_{002}^{(10)} - 2m_{000}^{(21)} m_{011}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(01)} m_{002}^{(11)} + m_{000}^{(22)} m_{200}^{(02)} m_{011}^{(11)} + m_{000}^{(22)} m_{200}^{(11)} m_{002}^{(01)} - m_{000}^{(22)} m_{200}^{(12)} m_{011}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{002}^{(11)} + m_{000}^{(22)} m_{110}^{(01)} m_{002}^{(10)} - m_{000}^{(22)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(22)} m_{110}^{(10)} m_{002}^{(01)} - m_{000}^{(22)} m_{110}^{(11)} m_{002}^{(00)} + m_{000}^{(22)} m_{110}^{(12)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(12)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(02)} - m_{000}^{(22)} m_{020}^{(00)} m_{002}^{(10)} + m_{000}^{(22)} m_{020}^{(10)} m_{002}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	1	1
V2	V2	V3	A0
V3	3	3	A0



$$\begin{aligned}
P_{52}^{(1)} = & m_{000}^{(00)} m_{200}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{200}^{(11)} m_{002}^{(21)} - m_{000}^{(00)} m_{200}^{(12)} m_{020}^{(22)} + m_{000}^{(00)} m_{200}^{(12)} m_{011}^{(21)} \\
& - m_{000}^{(00)} m_{200}^{(21)} m_{011}^{(12)} + m_{000}^{(00)} m_{200}^{(21)} m_{002}^{(11)} + m_{000}^{(00)} m_{200}^{(22)} m_{020}^{(12)} - m_{000}^{(00)} m_{200}^{(22)} m_{011}^{(11)} \\
& - m_{000}^{(00)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(01)} m_{002}^{(21)} + m_{000}^{(00)} m_{110}^{(02)} m_{020}^{(22)} - m_{000}^{(00)} m_{110}^{(02)} m_{011}^{(21)} \\
& + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(02)} - m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(01)} - m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(02)} + m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(01)} \\
& + m_{000}^{(00)} m_{101}^{(01)} m_{011}^{(12)} - m_{000}^{(00)} m_{101}^{(01)} m_{002}^{(11)} - m_{000}^{(00)} m_{101}^{(02)} m_{020}^{(12)} + m_{000}^{(00)} m_{101}^{(02)} m_{011}^{(11)} \\
& - m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(01)} + m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(02)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(01)} \\
& - m_{000}^{(01)} m_{200}^{(11)} m_{101}^{(22)} + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(20)} + m_{000}^{(01)} m_{200}^{(12)} m_{110}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(20)} \\
& + m_{000}^{(01)} m_{200}^{(21)} m_{101}^{(12)} - m_{000}^{(01)} m_{200}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{200}^{(22)} m_{110}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(01)} m_{110}^{(01)} m_{101}^{(22)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(20)} - m_{000}^{(01)} m_{110}^{(02)} m_{101}^{(12)} + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(20)} \\
& + m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(02)} - m_{000}^{(01)} m_{110}^{(12)} m_{011}^{(01)} + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(00)} - m_{000}^{(01)} m_{110}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(01)} m_{101}^{(01)} m_{101}^{(12)} + m_{000}^{(01)} m_{101}^{(01)} m_{002}^{(10)} + m_{000}^{(01)} m_{101}^{(02)} m_{101}^{(11)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(00)} + m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(00)} + m_{000}^{(01)} m_{200}^{(02)} m_{101}^{(11)} - m_{000}^{(01)} m_{200}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(20)} - m_{000}^{(02)} m_{200}^{(21)} m_{110}^{(11)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(00)} m_{020}^{(12)} m_{011}^{(02)} + m_{000}^{(00)} m_{020}^{(21)} m_{011}^{(02)} - m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(01)} + m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(01)} \\
& -m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(01)} + m_{000}^{(01)} m_{110}^{(02)} m_{020}^{(22)} - m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(12)} \\
& -m_{000}^{(01)} m_{110}^{(11)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(11)} m_{002}^{(20)} + m_{000}^{(01)} m_{110}^{(12)} m_{011}^{(02)} - m_{000}^{(01)} m_{110}^{(12)} m_{011}^{(20)} \\
& + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{110}^{(22)} m_{020}^{(02)} + m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(01)} + m_{000}^{(01)} m_{101}^{(22)} m_{020}^{(01)} \\
& -m_{000}^{(01)} m_{020}^{(01)} m_{002}^{(20)} + m_{000}^{(01)} m_{020}^{(02)} m_{011}^{(20)} + m_{000}^{(01)} m_{020}^{(21)} m_{002}^{(00)} - m_{000}^{(01)} m_{020}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(01)} m_{011}^{(01)} m_{002}^{(10)} - m_{000}^{(01)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(01)} m_{011}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(02)} m_{110}^{(01)} m_{020}^{(22)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(11)} m_{110}^{(22)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(21)} \\
& -m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(02)} - m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(20)} - m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(21)} + m_{000}^{(02)} m_{110}^{(12)} m_{020}^{(20)} \\
& -m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(02)} + m_{000}^{(02)} m_{110}^{(21)} m_{020}^{(02)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(10)} \\
& + m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(11)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(01)} - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(02)} m_{020}^{(02)} m_{020}^{(22)} - m_{000}^{(02)} m_{020}^{(02)} m_{011}^{(12)} + m_{000}^{(02)} m_{020}^{(21)} m_{011}^{(20)} - m_{000}^{(02)} m_{020}^{(22)} m_{020}^{(20)} \\
& + m_{000}^{(02)} m_{020}^{(10)} m_{011}^{(02)} - m_{000}^{(02)} m_{020}^{(21)} m_{011}^{(00)} + m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(11)} - m_{000}^{(02)} m_{011}^{(01)} m_{011}^{(11)} \\
& + m_{000}^{(10)} m_{110}^{(02)} m_{020}^{(22)} - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(12)} - m_{000}^{(10)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(10)} m_{110}^{(10)} m_{020}^{(21)} \\
& -m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(21)} + m_{000}^{(10)} m_{110}^{(12)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(11)} \\
& + m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(11)} - m_{000}^{(10)} m_{110}^{(22)} m_{020}^{(02)} - m_{000}^{(10)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(12)} \\
& -m_{000}^{(10)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(10)} m_{101}^{(21)} m_{020}^{(02)} + m_{000}^{(10)} m_{020}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(21)} \\
& -m_{000}^{(10)} m_{020}^{(20)} m_{011}^{(02)} + m_{000}^{(10)} m_{020}^{(20)} m_{002}^{(01)} - m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(10)} m_{011}^{(10)} m_{002}^{(01)} - m_{000}^{(11)} m_{200}^{(02)} m_{020}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(12)} \\
& + m_{000}^{(11)} m_{200}^{(12)} m_{110}^{(22)} - m_{000}^{(11)} m_{200}^{(12)} m_{011}^{(02)} - m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(12)} + m_{000}^{(11)} m_{200}^{(22)} m_{020}^{(02)} \\
& + m_{000}^{(11)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(10)} m_{002}^{(20)} + m_{000}^{(11)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(11)} m_{110}^{(12)} m_{101}^{(10)} \\
& + m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(10)} - m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(11)} m_{101}^{(00)} m_{020}^{(22)} - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(12)} \\
& + m_{000}^{(11)} m_{101}^{(02)} m_{020}^{(20)} - m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(10)} + m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(02)} + m_{000}^{(11)} m_{101}^{(12)} m_{011}^{(00)} \\
& -m_{000}^{(11)} m_{101}^{(20)} m_{020}^{(02)} - m_{000}^{(11)} m_{101}^{(22)} m_{002}^{(00)} + m_{000}^{(11)} m_{020}^{(00)} m_{002}^{(20)} - m_{000}^{(11)} m_{020}^{(00)} m_{002}^{(00)} \\
& -m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(11)} m_{011}^{(10)} m_{002}^{(00)} + m_{000}^{(12)} m_{200}^{(01)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(12)} \\
& -m_{000}^{(12)} m_{200}^{(11)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(11)} m_{011}^{(02)} + m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(12)} m_{200}^{(21)} m_{020}^{(02)} \\
& -m_{000}^{(12)} m_{110}^{(00)} m_{020}^{(22)} + m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(12)} + m_{000}^{(12)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(21)} \\
& -m_{000}^{(12)} m_{110}^{(10)} m_{011}^{(02)} + m_{000}^{(12)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(12)} m_{110}^{(12)} m_{110}^{(20)} + m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(11)} \\
& + m_{000}^{(12)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(10)} - m_{000}^{(12)} m_{101}^{(01)} m_{020}^{(20)} + m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(10)} \\
& -m_{000}^{(12)} m_{101}^{(11)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(21)} m_{020}^{(00)} - m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(00)} \\
& -m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(21)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(11)} + m_{000}^{(20)} m_{110}^{(10)} m_{020}^{(22)} - m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(21)} \\
& -m_{000}^{(20)} m_{110}^{(11)} m_{110}^{(22)} + m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(21)} + m_{000}^{(20)} m_{110}^{(12)} m_{110}^{(21)} - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(01)} \\
& -m_{000}^{(20)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(11)} - m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(11)} + m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(11)} + m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(01)} \\
& -m_{000}^{(20)} m_{020}^{(00)} m_{020}^{(22)} + m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{020}^{(02)} m_{020}^{(20)} - m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(20)} m_{020}^{(12)} m_{011}^{(00)} - m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(01)} - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(11)} \\
& + m_{000}^{(21)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(11)} - m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(01)} \\
& + m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(11)} - m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(01)} - m_{000}^{(21)} m_{110}^{(02)} m_{020}^{(20)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(21)} m_{200}^{(11)} m_{110}^{(22)} - m_{000}^{(21)} m_{200}^{(11)} m_{020}^{(01)} - m_{000}^{(21)} m_{110}^{(22)} m_{020}^{(20)} + m_{000}^{(21)} m_{110}^{(22)} m_{011}^{(10)}
\end{aligned}$$

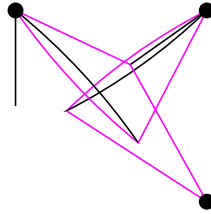
$$\begin{aligned}
& -m_{000}^{(21)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(21)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(20)} + m_{000}^{(21)} m_{110}^{(12)} m_{110}^{(20)} \\
& -m_{000}^{(21)} m_{110}^{(12)} m_{011}^{(00)} - m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(10)} + m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(22)} m_{020}^{(00)} \\
& -m_{000}^{(21)} m_{101}^{(00)} m_{020}^{(21)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(01)} + m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(01)} \\
& -m_{000}^{(21)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(21)} m_{020}^{(20)} m_{011}^{(00)} - m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(11)} \\
& + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(21)} - m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(01)} - m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(11)} + m_{000}^{(22)} m_{110}^{(01)} m_{020}^{(20)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(10)} \\
& -m_{000}^{(22)} m_{110}^{(10)} m_{020}^{(20)} + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(00)} - m_{000}^{(22)} m_{110}^{(11)} m_{020}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(10)} - m_{000}^{(22)} m_{110}^{(21)} m_{020}^{(00)} + m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(10)} - m_{000}^{(22)} m_{020}^{(10)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{52}^{(3)} = & m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(21)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(22)} + m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} \\
& -m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(12)} + m_{000}^{(00)} m_{101}^{(21)} m_{002}^{(11)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(12)} - m_{000}^{(00)} m_{101}^{(22)} m_{011}^{(11)} \\
& -m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(12)} - m_{000}^{(00)} m_{020}^{(12)} m_{002}^{(02)} + m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(02)} \\
& -m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(12)} + m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(21)} - m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(02)} \\
& +m_{000}^{(00)} m_{011}^{(12)} m_{002}^{(01)} - m_{000}^{(00)} m_{011}^{(21)} m_{002}^{(01)} + m_{000}^{(00)} m_{110}^{(01)} m_{011}^{(02)} - m_{000}^{(00)} m_{110}^{(01)} m_{002}^{(12)} \\
& -m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(02)} + m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(02)} \\
& -m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(02)} m_{002}^{(11)} - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(22)} + m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(20)} \\
& +m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(21)} - m_{000}^{(01)} m_{101}^{(12)} m_{002}^{(02)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(01)} + m_{000}^{(01)} m_{101}^{(12)} m_{002}^{(10)} \\
& +m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(01)} - m_{000}^{(01)} m_{101}^{(21)} m_{002}^{(01)} - m_{000}^{(01)} m_{101}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{101}^{(21)} m_{002}^{(20)} \\
& +m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(01)} + m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(10)} - m_{000}^{(01)} m_{011}^{(00)} m_{020}^{(12)} + m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(12)} \\
& -m_{000}^{(01)} m_{011}^{(01)} m_{002}^{(20)} + m_{000}^{(01)} m_{011}^{(01)} m_{011}^{(20)} - m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(02)} + m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(00)} \\
& -m_{000}^{(01)} m_{002}^{(00)} m_{002}^{(11)} + m_{000}^{(01)} m_{002}^{(01)} m_{002}^{(10)} - m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(12)} \\
& +m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(11)} m_{002}^{(02)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(12)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(02)} \\
& +m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(21)} - m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(11)} - m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(20)} + m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(01)} \\
& +m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(20)} - m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(01)} + m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(10)} \\
& +m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(22)} - m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(02)} m_{020}^{(10)} m_{002}^{(02)} - m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(02)} \\
& -m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(21)} + m_{000}^{(02)} m_{011}^{(00)} m_{002}^{(11)} + m_{000}^{(02)} m_{011}^{(01)} m_{011}^{(20)} - m_{000}^{(02)} m_{011}^{(01)} m_{002}^{(01)} \\
& +m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(12)} - m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(22)} + m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(02)} \\
& +m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(12)} - m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(02)} - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(22)} + m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(12)} \\
& -m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(22)} + m_{000}^{(10)} m_{101}^{(10)} m_{020}^{(21)} + m_{000}^{(10)} m_{101}^{(11)} m_{101}^{(22)} - m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(02)} \\
& -m_{000}^{(10)} m_{101}^{(12)} m_{011}^{(21)} + m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{101}^{(20)} m_{002}^{(11)} + m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(02)} \\
& +m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(21)} - m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(20)} + m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(10)} \\
& -m_{000}^{(10)} m_{011}^{(12)} m_{002}^{(00)} + m_{000}^{(10)} m_{011}^{(12)} m_{002}^{(01)} + m_{000}^{(10)} m_{002}^{(00)} m_{002}^{(11)} - m_{000}^{(10)} m_{002}^{(01)} m_{002}^{(10)} \\
& -m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(12)} + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(22)} - m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(02)} \\
& -m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(12)} m_{011}^{(02)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(22)} - m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(12)} \\
& +m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(20)} - m_{000}^{(11)} m_{101}^{(02)} m_{002}^{(10)} + m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(02)} - m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(00)} \\
& +m_{000}^{(11)} m_{101}^{(12)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(02)} + m_{000}^{(11)} m_{101}^{(20)} m_{002}^{(10)} - m_{000}^{(11)} m_{101}^{(22)} m_{011}^{(00)} \\
& +m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(20)} - m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(11)} + m_{000}^{(11)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(12)} \\
& -m_{000}^{(12)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(02)} + m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(12)} - m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(02)} \\
& -m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(12)} m_{110}^{(00)} m_{002}^{(12)} + m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(02)} \\
& -m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(02)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(12)} m_{101}^{(01)} m_{002}^{(10)} \\
& -m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(12)} m_{101}^{(10)} m_{002}^{(11)} + m_{000}^{(12)} m_{101}^{(11)} m_{101}^{(20)} - m_{000}^{(12)} m_{101}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(12)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(12)} m_{101}^{(21)} m_{002}^{(10)} + m_{000}^{(12)} m_{101}^{(21)} m_{002}^{(00)} - m_{000}^{(12)} m_{101}^{(21)} m_{002}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(12)} m_{101}^{(20)} m_{011}^{(10)} + m_{000}^{(12)} m_{101}^{(21)} m_{011}^{(00)} - m_{000}^{(12)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(12)} m_{011}^{(10)} m_{002}^{(00)} \\
& -m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(02)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(21)} - m_{000}^{(20)} m_{110}^{(12)} m_{002}^{(01)} \\
& -m_{000}^{(20)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(21)} - m_{000}^{(20)} m_{101}^{(01)} m_{002}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(20)} m_{101}^{(11)} m_{002}^{(01)} - m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(12)} \\
& + m_{000}^{(20)} m_{101}^{(20)} m_{011}^{(11)} - m_{000}^{(20)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(20)} - m_{000}^{(20)} m_{020}^{(02)} m_{002}^{(10)} \\
& + m_{000}^{(20)} m_{020}^{(12)} m_{002}^{(00)} - m_{000}^{(20)} m_{020}^{(22)} m_{011}^{(00)} + m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(20)} \\
& + m_{000}^{(20)} m_{011}^{(01)} m_{002}^{(10)} - m_{000}^{(20)} m_{011}^{(11)} m_{002}^{(00)} + m_{000}^{(20)} m_{200}^{(21)} m_{011}^{(02)} - m_{000}^{(20)} m_{200}^{(02)} m_{002}^{(11)} \\
& - m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(21)} + m_{000}^{(21)} m_{200}^{(12)} m_{002}^{(01)} + m_{000}^{(21)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(21)} m_{200}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(20)} + m_{000}^{(21)} m_{110}^{(02)} m_{002}^{(10)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(12)} m_{002}^{(00)} \\
& - m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(21)} + m_{000}^{(21)} m_{101}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(21)} m_{101}^{(10)} m_{101}^{(21)} + m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(20)} - m_{000}^{(21)} m_{101}^{(10)} m_{002}^{(01)} - m_{000}^{(21)} m_{101}^{(11)} m_{101}^{(20)} \\
& + m_{000}^{(21)} m_{101}^{(20)} m_{011}^{(01)} - m_{000}^{(21)} m_{101}^{(20)} m_{011}^{(10)} - m_{000}^{(21)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(21)} m_{011}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(21)} + m_{000}^{(22)} m_{200}^{(01)} m_{002}^{(11)} + m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(21)} - m_{000}^{(22)} m_{200}^{(11)} m_{002}^{(01)} \\
& - m_{000}^{(22)} m_{200}^{(21)} m_{101}^{(11)} + m_{000}^{(22)} m_{200}^{(21)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(22)} m_{110}^{(01)} m_{002}^{(10)} - m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(21)} + m_{000}^{(22)} m_{110}^{(10)} m_{002}^{(01)} \\
& - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(20)} + m_{000}^{(22)} m_{110}^{(11)} m_{002}^{(00)} + m_{000}^{(22)} m_{110}^{(20)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(10)} - m_{000}^{(22)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(20)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(10)} \\
& - m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(22)} m_{020}^{(10)} m_{002}^{(00)} + m_{000}^{(22)} m_{020}^{(10)} m_{011}^{(00)} + m_{000}^{(22)} m_{020}^{(20)} m_{011}^{(11)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
	1	2	A0
V2	V3	V3	A0



$$\begin{aligned}
P_{53}^{(1)} = & -m_{000}^{(00)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(00)} m_{110}^{(02)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(02)} m_{002}^{(11)} \\
& -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(01)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(02)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(01)} \\
& + m_{000}^{(00)} m_{101}^{(01)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(01)} m_{011}^{(12)} - m_{000}^{(00)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(00)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(02)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(02)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(01)} \\
& + m_{000}^{(01)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{200}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{200}^{(02)} m_{002}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(02)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(01)} - m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(02)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(01)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{101}^{(21)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(01)} \\
& + 2m_{000}^{(01)} m_{101}^{(01)} m_{101}^{(12)} - 2m_{000}^{(01)} m_{101}^{(02)} m_{101}^{(11)} - m_{000}^{(02)} m_{200}^{(01)} m_{020}^{(22)} + m_{000}^{(02)} m_{200}^{(01)} m_{011}^{(12)} \\
& + m_{000}^{(02)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(02)} m_{200}^{(02)} m_{011}^{(11)} - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(02)} + m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(01)} \\
& + m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(02)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(01)} + 2m_{000}^{(02)} m_{110}^{(01)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(01)} m_{101}^{(12)} \\
& - 2m_{000}^{(02)} m_{110}^{(02)} m_{110}^{(21)} + m_{000}^{(02)} m_{110}^{(02)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(02)} - m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(01)} \\
& + m_{000}^{(10)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(00)} m_{002}^{(12)} - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(20)} + m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(10)} \\
& + m_{000}^{(10)} m_{110}^{(10)} m_{002}^{(02)} - m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(00)} - m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(10)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(20)} - m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(02)} + m_{000}^{(10)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(10)} m_{101}^{(20)} m_{020}^{(02)} - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(00)} m_{002}^{(12)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(20)} - m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(10)} \\
& - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(02)} + m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(00)} + m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(02)} - m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(11)} m_{110}^{(00)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(20)} - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(02)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(00)} \\
& - 2m_{000}^{(11)} m_{101}^{(00)} m_{101}^{(12)} + 2m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(10)} + m_{000}^{(12)} m_{200}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(00)} m_{011}^{(12)} \\
& - m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(20)} + m_{000}^{(12)} m_{200}^{(02)} m_{011}^{(10)} + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(02)} - m_{000}^{(12)} m_{200}^{(12)} m_{011}^{(00)} \\
& - m_{000}^{(12)} m_{200}^{(20)} m_{020}^{(02)} + m_{000}^{(12)} m_{200}^{(22)} m_{020}^{(00)} - 2m_{000}^{(12)} m_{110}^{(00)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(00)} m_{101}^{(12)} \\
& + 2m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(20)} - m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(10)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(02)} + m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(00)} \\
& - m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(00)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(10)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(00)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(00)} \\
& + m_{000}^{(20)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(20)} + m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(10)} \\
& + m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(20)} m_{101}^{(20)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(21)} m_{011}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(00)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(00)} m_{002}^{(11)} - m_{000}^{(21)} m_{200}^{(01)} m_{011}^{(20)} + m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(00)} - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(01)} + m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(00)} \\
& - m_{000}^{(21)} m_{110}^{(00)} m_{101}^{(21)} + m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(20)} + m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(01)} - m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(00)} \\
& + 2m_{000}^{(21)} m_{101}^{(00)} m_{101}^{(11)} - 2m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(22)} m_{200}^{(00)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(00)} m_{011}^{(11)} \\
& + m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(20)} - m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(10)} - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(01)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(00)} \\
& + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(01)} - m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(00)} + 2m_{000}^{(22)} m_{110}^{(00)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{101}^{(11)} \\
& - 2m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(20)} + m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(10)} + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(01)} - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{53}^{(2)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(12)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(12)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(11)} - m_{000}^{(00)} m_{020}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{020}^{(12)} m_{002}^{(01)} \\
& - 2m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(12)} + 2m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(11)} + m_{000}^{(01)} m_{200}^{(11)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(21)} \\
& - m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(11)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(11)} \\
& - m_{000}^{(01)} m_{110}^{(11)} m_{011}^{(22)} + m_{000}^{(01)} m_{110}^{(11)} m_{002}^{(12)} + m_{000}^{(01)} m_{110}^{(12)} m_{011}^{(21)} - m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(11)} + m_{000}^{(01)} m_{101}^{(01)} m_{011}^{(12)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} \\
& - m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(02)} m_{200}^{(11)} m_{020}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(20)} \\
& + m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(11)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(12)} - m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(11)} \\
& + 2m_{000}^{(02)} m_{110}^{(11)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(02)} - 2m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(21)} + m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(21)} \\
& - m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(12)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(11)} + m_{000}^{(02)} m_{101}^{(11)} m_{020}^{(02)} - m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(01)}
\end{aligned}$$

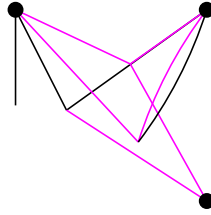
$$\begin{aligned}
& +m_{000}^{(10)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(12)} m_{011}^{(20)} - m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(12)} + m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(10)} \\
& - m_{000}^{(10)} m_{101}^{(10)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(10)} m_{101}^{(20)} m_{020}^{(12)} - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(10)} \\
& - m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(10)} + m_{000}^{(10)} m_{020}^{(10)} m_{002}^{(02)} - m_{000}^{(10)} m_{020}^{(12)} m_{002}^{(00)} \\
& + 2m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(12)} - 2m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(11)} m_{200}^{(10)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(12)} m_{011}^{(20)} \\
& + m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(12)} - m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(10)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(12)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(10)} \\
& + m_{000}^{(11)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(10)} \\
& - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(10)} - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(11)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(12)} m_{200}^{(10)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(12)} m_{020}^{(20)} \\
& - m_{000}^{(12)} m_{200}^{(20)} m_{020}^{(12)} + m_{000}^{(12)} m_{200}^{(22)} m_{020}^{(10)} - m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(12)} + m_{000}^{(12)} m_{110}^{(02)} m_{011}^{(10)} \\
& - 2m_{000}^{(12)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(12)} m_{110}^{(20)} + 2m_{000}^{(12)} m_{110}^{(20)} m_{110}^{(12)} - m_{000}^{(12)} m_{110}^{(22)} m_{110}^{(10)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(12)} - m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(10)} - m_{000}^{(12)} m_{101}^{(10)} m_{020}^{(02)} + m_{000}^{(12)} m_{101}^{(12)} m_{020}^{(00)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(19)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(17)} - m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(15)} \\
& + m_{000}^{(20)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(19)} - m_{000}^{(20)} m_{101}^{(10)} m_{020}^{(17)} + m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(15)} \\
& - m_{000}^{(20)} m_{101}^{(14)} m_{020}^{(12)} + m_{000}^{(20)} m_{101}^{(16)} m_{020}^{(10)} - m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(11)} + m_{000}^{(20)} m_{020}^{(02)} m_{002}^{(09)} \\
& - 2m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + 2m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(09)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(19)} \\
& - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{011}^{(09)} - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(11)} + m_{000}^{(21)} m_{110}^{(02)} m_{002}^{(09)} \\
& - m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(21)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(19)} + m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(17)} - m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(15)} \\
& + m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(13)} - m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(09)} \\
& - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(01)} + m_{000}^{(21)} m_{101}^{(12)} m_{011}^{(00)} - m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(19)} \\
& + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(11)} - m_{000}^{(22)} m_{200}^{(22)} m_{020}^{(09)} + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(11)} - m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(09)} \\
& + 2m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(12)} m_{110}^{(19)} - 2m_{000}^{(22)} m_{110}^{(20)} m_{110}^{(17)} + m_{000}^{(22)} m_{110}^{(22)} m_{110}^{(15)} \\
& - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(11)} + m_{000}^{(22)} m_{101}^{(02)} m_{020}^{(09)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(07)} - m_{000}^{(22)} m_{101}^{(12)} m_{020}^{(05)}
\end{aligned}$$

$$\begin{aligned}
P_{53}^{(3)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(21)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(12)} + m_{000}^{(00)} m_{101}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(22)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(21)} - m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(02)} + m_{000}^{(00)} m_{020}^{(22)} m_{002}^{(01)} \\
& - 2m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(22)} + 2m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(21)} \\
& - m_{000}^{(01)} m_{200}^{(21)} m_{002}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{002}^{(11)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(21)} \\
& + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(02)} - m_{000}^{(01)} m_{110}^{(22)} m_{002}^{(01)} + m_{000}^{(01)} m_{101}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(21)} \\
& - 2m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(22)} + 2m_{000}^{(01)} m_{101}^{(12)} m_{101}^{(21)} - m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(02)} + m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(22)} - m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(21)} \\
& - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(12)} - m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(02)} + m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(01)} \\
& - m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(12)} - m_{000}^{(02)} m_{101}^{(22)} m_{020}^{(11)} \\
& + m_{000}^{(10)} m_{110}^{(10)} m_{002}^{(22)} - m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(20)} - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(12)} + m_{000}^{(10)} m_{110}^{(22)} m_{002}^{(10)} \\
& - m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(22)} + m_{000}^{(10)} m_{101}^{(12)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{101}^{(22)} m_{011}^{(10)} \\
& - m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(22)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(20)} + m_{000}^{(10)} m_{020}^{(20)} m_{002}^{(12)} - m_{000}^{(10)} m_{020}^{(22)} m_{002}^{(10)} \\
& + 2m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(22)} - 2m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(20)} - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(22)} + m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(20)} \\
& + m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(12)} - m_{000}^{(11)} m_{200}^{(22)} m_{002}^{(10)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(20)} \\
& - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(12)} + m_{000}^{(11)} m_{110}^{(22)} m_{002}^{(10)} - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& +2m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(22)} - 2m_{000}^{(11)} m_{101}^{(12)} m_{101}^{(20)} + m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(02)} - m_{000}^{(11)} m_{101}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(22)} - m_{000}^{(12)} m_{200}^{(12)} m_{011}^{(20)} - m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(12)} + m_{000}^{(12)} m_{200}^{(22)} m_{011}^{(10)} \\
& - m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(12)} m_{110}^{(02)} m_{011}^{(20)} - m_{000}^{(12)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(12)} m_{110}^{(12)} m_{011}^{(20)} \\
& + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(02)} - m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(10)} - m_{000}^{(12)} m_{110}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(20)} - m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(02)} + m_{000}^{(12)} m_{101}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{002}^{(21)} + m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(20)} + m_{000}^{(20)} m_{110}^{(20)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(21)} m_{002}^{(10)} \\
& + m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(21)} - m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(20)} m_{101}^{(20)} m_{011}^{(11)} + m_{000}^{(20)} m_{101}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(21)} - m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(20)} - m_{000}^{(20)} m_{020}^{(20)} m_{002}^{(01)} + m_{000}^{(20)} m_{020}^{(21)} m_{002}^{(00)} \\
& - 2m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(21)} + 2m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(20)} + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(21)} - m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(20)} \\
& - m_{000}^{(21)} m_{200}^{(20)} m_{002}^{(11)} + m_{000}^{(21)} m_{200}^{(21)} m_{002}^{(10)} - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(21)} + m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(20)} \\
& + m_{000}^{(21)} m_{110}^{(20)} m_{002}^{(01)} - m_{000}^{(21)} m_{110}^{(21)} m_{002}^{(00)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(21)} - m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(20)} \\
& - 2m_{000}^{(21)} m_{101}^{(10)} m_{101}^{(21)} + 2m_{000}^{(21)} m_{101}^{(11)} m_{101}^{(20)} - m_{000}^{(21)} m_{101}^{(20)} m_{011}^{(01)} + m_{000}^{(21)} m_{101}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(21)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(20)} + m_{000}^{(22)} m_{200}^{(20)} m_{011}^{(11)} - m_{000}^{(22)} m_{200}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(20)} + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(21)} - m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(20)} \\
& - m_{000}^{(22)} m_{110}^{(20)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(22)} m_{110}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(21)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(20)} + m_{000}^{(22)} m_{101}^{(20)} m_{020}^{(01)} - m_{000}^{(22)} m_{101}^{(21)} m_{020}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 1 & 1 \\
V2 & V2 & 2 & A0 \\
& 2 & V3 & V3 & A0
\end{array}$$



$$\begin{aligned}
P_{54}^{(1)} = & -m_{000}^{(00)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(00)} m_{110}^{(02)} m_{020}^{(22)} - m_{000}^{(00)} m_{110}^{(02)} m_{011}^{(12)} \\
& - m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(02)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(02)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(02)} \\
& + m_{000}^{(00)} m_{101}^{(01)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(01)} m_{002}^{(11)} - m_{000}^{(00)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(00)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(01)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(00)} m_{101}^{(22)} m_{011}^{(01)} \\
& + m_{000}^{(01)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{200}^{(02)} m_{020}^{(22)} + m_{000}^{(01)} m_{200}^{(02)} m_{011}^{(12)} \\
& - m_{000}^{(01)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(02)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(02)} \\
& + m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(02)} - m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(02)}
\end{aligned}$$

$$\begin{aligned}
P_{54}^{(2)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{020}^{(22)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(12)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(11)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(12)} - m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(12)} - m_{000}^{(00)} m_{020}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{020}^{(12)} m_{011}^{(02)} \\
& - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(12)} - m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(11)} m_{011}^{(02)} + m_{000}^{(00)} m_{011}^{(12)} m_{002}^{(01)} \\
& + m_{000}^{(01)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(02)} m_{020}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(12)} \\
& + m_{000}^{(01)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(11)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(11)} m_{002}^{(02)} - m_{000}^{(01)} m_{110}^{(12)} m_{011}^{(02)} \\
& - m_{000}^{(01)} m_{110}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(21)} m_{011}^{(02)} + m_{000}^{(01)} m_{110}^{(22)} m_{020}^{(02)} \\
& - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(11)} - m_{000}^{(01)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(01)} m_{020}^{(01)} m_{011}^{(02)} \\
& + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(01)} m_{011}^{(01)} m_{011}^{(20)} + m_{000}^{(01)} m_{011}^{(01)} m_{002}^{(10)} \\
& - m_{000}^{(01)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(01)} m_{011}^{(11)} m_{002}^{(00)} - m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(21)} + m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(02)} m_{020}^{(21)} - m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(11)} - m_{000}^{(02)} m_{110}^{(10)} m_{020}^{(22)} + m_{000}^{(02)} m_{110}^{(11)} m_{110}^{(22)} \\
& + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(21)} - m_{000}^{(02)} m_{110}^{(12)} m_{002}^{(01)} - m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(21)} + m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(01)} \\
& + m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(12)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(01)} - m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(01)} \\
& + m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(11)} + m_{000}^{(02)} m_{020}^{(00)} m_{020}^{(22)} + m_{000}^{(02)} m_{020}^{(01)} m_{011}^{(20)} \\
& - m_{000}^{(02)} m_{020}^{(01)} m_{002}^{(10)} - m_{000}^{(02)} m_{020}^{(02)} m_{020}^{(20)} + m_{000}^{(02)} m_{020}^{(02)} m_{011}^{(10)} + m_{000}^{(02)} m_{020}^{(02)} m_{002}^{(00)} \\
& - m_{000}^{(02)} m_{020}^{(12)} m_{011}^{(00)} - m_{000}^{(02)} m_{020}^{(21)} m_{011}^{(00)} + m_{000}^{(10)} m_{200}^{(11)} m_{011}^{(22)} - m_{000}^{(10)} m_{200}^{(12)} m_{020}^{(22)} \\
& - m_{000}^{(10)} m_{200}^{(21)} m_{011}^{(12)} + m_{000}^{(10)} m_{200}^{(22)} m_{020}^{(12)} - m_{000}^{(10)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(10)} m_{110}^{(02)} m_{020}^{(22)} \\
& + m_{000}^{(10)} m_{110}^{(21)} m_{011}^{(02)} - m_{000}^{(10)} m_{110}^{(22)} m_{020}^{(02)} + m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(12)} - m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(12)} \\
& - m_{000}^{(10)} m_{101}^{(11)} m_{011}^{(02)} - m_{000}^{(10)} m_{101}^{(12)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(12)} m_{020}^{(02)} + m_{000}^{(10)} m_{101}^{(12)} m_{020}^{(20)} \\
& + m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(10)} - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(10)} + m_{000}^{(10)} m_{020}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{020}^{(01)} m_{002}^{(12)} \\
& + m_{000}^{(10)} m_{020}^{(10)} m_{002}^{(02)} - m_{000}^{(10)} m_{020}^{(20)} m_{011}^{(02)} - m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(21)} + m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(20)} - m_{000}^{(10)} m_{011}^{(10)} m_{002}^{(01)} - m_{000}^{(11)} m_{200}^{(10)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(12)} m_{110}^{(22)} \\
& + m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(12)} - m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(12)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(12)} - m_{000}^{(11)} m_{110}^{(01)} m_{101}^{(12)} \\
& + m_{000}^{(11)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(10)} m_{002}^{(02)} + m_{000}^{(11)} m_{110}^{(12)} m_{011}^{(02)} - m_{000}^{(11)} m_{110}^{(12)} m_{101}^{(12)} \\
& - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(02)} + m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(20)} - m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(10)} \\
& - m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(11)} m_{011}^{(11)} m_{002}^{(00)} + m_{000}^{(12)} m_{200}^{(10)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(11)} m_{110}^{(22)} \\
& - m_{000}^{(12)} m_{200}^{(12)} m_{020}^{(12)} + m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(12)} m_{110}^{(00)} m_{020}^{(22)} + m_{000}^{(12)} m_{110}^{(01)} m_{011}^{(21)} \\
& - m_{000}^{(12)} m_{110}^{(00)} m_{110}^{(11)} + m_{000}^{(12)} m_{110}^{(02)} m_{020}^{(21)} - m_{000}^{(12)} m_{110}^{(10)} m_{110}^{(12)} + m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(11)} \\
& - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(21)} + m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(01)} - m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(01)} + m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(10)} \\
& + m_{000}^{(12)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(12)} - m_{000}^{(12)} m_{101}^{(01)} m_{020}^{(02)} \\
& - m_{000}^{(12)} m_{101}^{(10)} m_{020}^{(20)} + m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(10)} - m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(12)} m_{020}^{(01)} m_{002}^{(10)} \\
& - m_{000}^{(12)} m_{020}^{(10)} m_{002}^{(00)} + m_{000}^{(12)} m_{020}^{(20)} m_{011}^{(00)} - m_{000}^{(20)} m_{200}^{(11)} m_{011}^{(21)} + m_{000}^{(20)} m_{200}^{(12)} m_{020}^{(21)} \\
& + m_{000}^{(20)} m_{200}^{(21)} m_{011}^{(11)} - m_{000}^{(20)} m_{200}^{(22)} m_{020}^{(11)} + m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(21)} - m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(21)} \\
& + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(20)} m_{110}^{(20)} m_{020}^{(12)} - m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(01)} - m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(01)} + m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(10)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(11)} + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(01)} - m_{000}^{(20)} m_{020}^{(00)} m_{020}^{(22)} + m_{000}^{(20)} m_{020}^{(01)} m_{011}^{(00)} \\
& - m_{000}^{(20)} m_{020}^{(01)} m_{011}^{(20)} + m_{000}^{(20)} m_{020}^{(10)} m_{020}^{(02)} - m_{000}^{(20)} m_{020}^{(10)} m_{011}^{(02)} + m_{000}^{(20)} m_{020}^{(10)} m_{011}^{(10)} \\
& - m_{000}^{(20)} m_{020}^{(10)} m_{011}^{(20)} + m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(02)} + m_{000}^{(20)} m_{020}^{(20)} m_{020}^{(02)} + m_{000}^{(20)} m_{020}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(10)} + m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(20)} + m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(20)} + m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(20)}
\end{aligned}$$

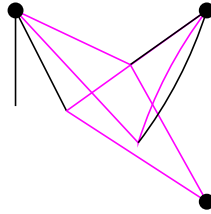
$$\begin{aligned}
& -m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(21)} \\
& -m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(21)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(12)} \\
& -m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(21)} m_{110}^{(01)} m_{110}^{(22)} + m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{110}^{(21)} \\
& -m_{000}^{(21)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(21)} m_{110}^{(10)} m_{011}^{(02)} - m_{000}^{(21)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(02)} \\
& + m_{000}^{(21)} m_{110}^{(12)} m_{110}^{(20)} - m_{000}^{(21)} m_{110}^{(20)} m_{020}^{(02)} + m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(10)} \\
& + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(01)} + m_{000}^{(21)} m_{020}^{(00)} m_{011}^{(20)} - m_{000}^{(21)} m_{020}^{(20)} m_{011}^{(00)} \\
& -m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(21)} + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(11)} - m_{000}^{(22)} m_{200}^{(20)} m_{110}^{(11)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(11)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(11)} + m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(21)} + m_{000}^{(22)} m_{110}^{(10)} m_{020}^{(20)} \\
& -m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(11)} m_{110}^{(20)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(01)} - m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(10)} \\
& -m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(11)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(01)} - m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(10)} + m_{000}^{(22)} m_{020}^{(10)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{54}^{(3)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(21)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{002}^{(11)} + m_{000}^{(00)} m_{101}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(22)} - m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(22)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(12)} + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(12)} \\
& -m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(22)} - m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(21)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(21)} + m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(22)} - m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(22)} - m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(12)} + m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(12)} \\
& + m_{000}^{(01)} m_{101}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{101}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(22)} + m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(12)} \\
& -m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(21)} - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(22)} + m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(12)} + m_{000}^{(01)} m_{101}^{(12)} m_{101}^{(21)} \\
& -m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(02)} + m_{000}^{(01)} m_{101}^{(20)} m_{002}^{(11)} - m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(02)} + m_{000}^{(01)} m_{101}^{(22)} m_{020}^{(02)} \\
& -m_{000}^{(01)} m_{020}^{(00)} m_{002}^{(22)} + m_{000}^{(01)} m_{020}^{(02)} m_{002}^{(12)} + m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(12)} + m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(21)} \\
& -m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(02)} - m_{000}^{(01)} m_{011}^{(20)} m_{002}^{(01)} - m_{000}^{(01)} m_{002}^{(00)} m_{002}^{(11)} + m_{000}^{(01)} m_{002}^{(01)} m_{002}^{(10)} \\
& -m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(22)} + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(12)} \\
& -m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(21)} + m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(11)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{101}^{(10)} m_{011}^{(21)} - m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(01)} + m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(02)} m_{101}^{(20)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(01)} - m_{000}^{(02)} m_{101}^{(22)} m_{020}^{(02)} + m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(22)} - m_{000}^{(02)} m_{020}^{(02)} m_{011}^{(02)} \\
& -m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(12)} - m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(21)} + m_{000}^{(02)} m_{011}^{(01)} m_{011}^{(20)} - m_{000}^{(02)} m_{011}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(02)} m_{011}^{(02)} m_{011}^{(10)} + m_{000}^{(02)} m_{011}^{(11)} m_{002}^{(00)} + m_{000}^{(02)} m_{200}^{(10)} m_{002}^{(22)} - m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(22)} \\
& -m_{000}^{(02)} m_{200}^{(21)} m_{002}^{(12)} + m_{000}^{(02)} m_{200}^{(22)} m_{011}^{(12)} - m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(22)} + m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(12)} \\
& + m_{000}^{(02)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(02)} + m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(12)} - m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(12)} \\
& -m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(02)} - m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(10)} + m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(02)} + m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{101}^{(21)} m_{002}^{(10)} - m_{000}^{(02)} m_{101}^{(22)} m_{011}^{(10)} + m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(22)} - m_{000}^{(02)} m_{011}^{(00)} m_{002}^{(12)} \\
& + m_{000}^{(02)} m_{011}^{(01)} m_{002}^{(20)} - m_{000}^{(02)} m_{011}^{(02)} m_{011}^{(10)} + m_{000}^{(02)} m_{011}^{(02)} m_{002}^{(11)} - m_{000}^{(02)} m_{011}^{(21)} m_{002}^{(00)} \\
& + m_{000}^{(02)} m_{002}^{(00)} m_{002}^{(11)} - m_{000}^{(02)} m_{002}^{(00)} m_{002}^{(20)} - m_{000}^{(02)} m_{200}^{(10)} m_{002}^{(12)} + m_{000}^{(02)} m_{200}^{(10)} m_{101}^{(22)} \\
& + m_{000}^{(02)} m_{200}^{(20)} m_{002}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(12)} + m_{000}^{(02)} m_{110}^{(00)} m_{002}^{(22)} - m_{000}^{(02)} m_{110}^{(02)} m_{101}^{(22)} \\
& -m_{000}^{(02)} m_{110}^{(20)} m_{002}^{(11)} + m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(02)} - m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(22)} + m_{000}^{(02)} m_{101}^{(10)} m_{101}^{(22)} \\
& + m_{000}^{(02)} m_{101}^{(10)} m_{002}^{(20)} - m_{000}^{(02)} m_{101}^{(12)} m_{101}^{(02)} + m_{000}^{(02)} m_{101}^{(20)} m_{011}^{(02)} - m_{000}^{(02)} m_{101}^{(20)} m_{002}^{(10)} \\
& -m_{000}^{(02)} m_{011}^{(00)} m_{002}^{(20)} + m_{000}^{(02)} m_{011}^{(11)} m_{002}^{(00)} + m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(22)} - m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(22)} \\
& -m_{000}^{(02)} m_{200}^{(20)} m_{011}^{(12)} + m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(12)} - m_{000}^{(02)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(02)} m_{110}^{(02)} m_{101}^{(22)} \\
& + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(02)} + m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(22)} + m_{000}^{(02)} m_{101}^{(10)} m_{011}^{(21)} \\
& -m_{000}^{(02)} m_{101}^{(10)} m_{002}^{(20)} + m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(10)} + m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(02)} - m_{000}^{(02)} m_{101}^{(20)} m_{101}^{(22)} \\
& -m_{000}^{(02)} m_{101}^{(21)} m_{002}^{(10)} - m_{000}^{(02)} m_{101}^{(22)} m_{101}^{(12)} + m_{000}^{(02)} m_{101}^{(22)} m_{101}^{(11)} - m_{000}^{(02)} m_{101}^{(22)} m_{101}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(20)} + m_{000}^{(12)} m_{101}^{(10)} m_{002}^{(01)} + m_{000}^{(12)} m_{101}^{(11)} m_{101}^{(20)} \\
& -m_{000}^{(12)} m_{101}^{(20)} m_{011}^{(01)} + m_{000}^{(12)} m_{101}^{(20)} m_{011}^{(10)} + m_{000}^{(12)} m_{011}^{(00)} m_{002}^{(10)} - m_{000}^{(12)} m_{011}^{(10)} m_{002}^{(00)} \\
& -m_{000}^{(20)} m_{200}^{(11)} m_{002}^{(21)} + m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(21)} + m_{000}^{(20)} m_{200}^{(21)} m_{002}^{(11)} - m_{000}^{(20)} m_{200}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(21)} - m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(20)} - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(20)} \\
& -m_{000}^{(20)} m_{110}^{(21)} m_{002}^{(01)} - m_{000}^{(20)} m_{110}^{(21)} m_{002}^{(10)} + m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(01)} + m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(20)} m_{101}^{(01)} m_{002}^{(11)} + m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} + m_{000}^{(20)} m_{101}^{(11)} m_{002}^{(01)} - m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} \\
& -m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(20)} + m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(20)} + m_{000}^{(20)} m_{020}^{(21)} m_{002}^{(00)} - m_{000}^{(20)} m_{020}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(20)} m_{011}^{(00)} m_{012}^{(12)} + m_{000}^{(20)} m_{011}^{(01)} m_{002}^{(10)} - m_{000}^{(20)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(20)} m_{011}^{(11)} m_{002}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(21)} - m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(21)} - m_{000}^{(21)} m_{200}^{(20)} m_{002}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{101}^{(11)} \\
& -m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(21)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(20)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(20)} \\
& + m_{000}^{(21)} m_{110}^{(20)} m_{002}^{(01)} + m_{000}^{(21)} m_{110}^{(20)} m_{002}^{(10)} - m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(01)} - m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(10)} \\
& + m_{000}^{(21)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(21)} + m_{000}^{(21)} m_{101}^{(02)} m_{002}^{(11)} + m_{000}^{(21)} m_{101}^{(11)} m_{101}^{(11)} \\
& -m_{000}^{(21)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(21)} m_{101}^{(10)} m_{002}^{(01)} - m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(02)} \\
& + m_{000}^{(21)} m_{020}^{(00)} m_{002}^{(20)} - m_{000}^{(21)} m_{020}^{(20)} m_{002}^{(00)} - m_{000}^{(21)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(21)} m_{011}^{(10)} m_{002}^{(00)} \\
& -m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(21)} + m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(21)} + m_{000}^{(22)} m_{200}^{(20)} m_{011}^{(11)} - m_{000}^{(22)} m_{200}^{(21)} m_{101}^{(11)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(21)} + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(20)} \\
& -m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(10)} + m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(10)} \\
& -m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(21)} + m_{000}^{(22)} m_{101}^{(20)} m_{020}^{(01)} - m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(22)} m_{020}^{(20)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 1 & 1 \\
V2 & 2 & V2 & A0 \\
& 2 & V3 & V3 & A0
\end{array}$$



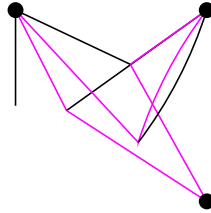
$$\begin{aligned}
P_{55}^{(1)} = & -m_{000}^{(00)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(00)} m_{110}^{(02)} m_{020}^{(22)} - m_{000}^{(00)} m_{110}^{(02)} m_{011}^{(12)} \\
& -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(02)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(02)} - m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(02)} \\
& + m_{000}^{(00)} m_{101}^{(01)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(01)} m_{002}^{(11)} - m_{000}^{(00)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(00)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(01)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(01)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{110}^{(22)} - m_{000}^{(01)} m_{200}^{(21)} m_{101}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{110}^{(12)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(01)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(00)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{101}^{(12)} \\
& - m_{000}^{(01)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(02)} - m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(02)} + m_{000}^{(01)} m_{110}^{(20)} m_{101}^{(12)} \\
& - m_{000}^{(01)} m_{110}^{(20)} m_{011}^{(02)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(01)} m_{101}^{(00)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(01)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(01)} m_{101}^{(10)} m_{101}^{(21)} - m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(01)} \\
& - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(20)} + m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(01)} - m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{110}^{(21)} \\
& + m_{000}^{(02)} m_{200}^{(21)} m_{101}^{(11)} - m_{000}^{(02)} m_{200}^{(22)} m_{110}^{(11)} - m_{000}^{(02)} m_{110}^{(00)} m_{020}^{(22)} + m_{000}^{(02)} m_{110}^{(00)} m_{011}^{(12)} \\
& + m_{000}^{(02)} m_{110}^{(01)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(01)} m_{101}^{(12)} + m_{000}^{(02)} m_{110}^{(01)} m_{101}^{(21)} - m_{000}^{(02)} m_{110}^{(02)} m_{110}^{(21)} \\
& + m_{000}^{(02)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(02)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(20)} \\
& - m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(20)} + m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(01)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} \\
& + m_{000}^{(02)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(11)} + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(01)} - m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(01)} \\
& + m_{000}^{(10)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(10)} m_{200}^{(01)} m_{002}^{(12)} - m_{000}^{(10)} m_{200}^{(02)} m_{020}^{(22)} + m_{000}^{(10)} m_{200}^{(02)} m_{011}^{(12)} \\
& - m_{000}^{(10)} m_{200}^{(11)} m_{101}^{(22)} + m_{000}^{(10)} m_{200}^{(11)} m_{002}^{(02)} + m_{000}^{(10)} m_{200}^{(12)} m_{110}^{(22)} - m_{000}^{(10)} m_{200}^{(12)} m_{011}^{(02)} \\
& + m_{000}^{(10)} m_{200}^{(21)} m_{101}^{(12)} - m_{000}^{(10)} m_{200}^{(21)} m_{011}^{(02)} - m_{000}^{(10)} m_{200}^{(22)} m_{110}^{(12)} + m_{000}^{(10)} m_{200}^{(22)} m_{020}^{(02)} \\
& + m_{000}^{(10)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(10)} m_{110}^{(20)} m_{101}^{(12)} - m_{000}^{(10)} m_{101}^{(01)} m_{020}^{(20)} + m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(20)} - m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(10)} - m_{000}^{(10)} m_{101}^{(10)} m_{101}^{(21)} + m_{000}^{(10)} m_{101}^{(10)} m_{101}^{(20)} \\
& - m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(00)} + m_{000}^{(10)} m_{101}^{(12)} m_{002}^{(00)} + m_{000}^{(10)} m_{101}^{(21)} m_{002}^{(00)} - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(00)} m_{002}^{(12)} + m_{000}^{(11)} m_{200}^{(01)} m_{110}^{(22)} - m_{000}^{(11)} m_{200}^{(01)} m_{101}^{(12)} \\
& - m_{000}^{(11)} m_{200}^{(11)} m_{002}^{(02)} + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(02)} + m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(01)} - m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(10)} \\
& + m_{000}^{(11)} m_{110}^{(00)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(02)} - m_{000}^{(11)} m_{101}^{(00)} m_{101}^{(12)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(20)} \\
& - m_{000}^{(11)} m_{101}^{(01)} m_{002}^{(10)} + m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(10)} + m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(10)} \\
& + m_{000}^{(12)} m_{200}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(00)} m_{011}^{(12)} - m_{000}^{(12)} m_{200}^{(01)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(01)} m_{101}^{(12)} \\
& - m_{000}^{(12)} m_{200}^{(10)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(10)} m_{101}^{(21)} + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(02)} + m_{000}^{(12)} m_{200}^{(11)} m_{200}^{(22)} \\
& - m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(02)} - m_{000}^{(12)} m_{200}^{(12)} m_{200}^{(20)} + m_{000}^{(12)} m_{200}^{(12)} m_{110}^{(12)} - m_{000}^{(12)} m_{200}^{(12)} m_{101}^{(10)} \\
& - m_{000}^{(12)} m_{200}^{(20)} m_{020}^{(02)} + m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(02)} - m_{000}^{(12)} m_{110}^{(00)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(10)} \\
& + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(01)} + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(10)} + m_{000}^{(12)} m_{101}^{(00)} m_{101}^{(11)} - m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(20)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(10)} - m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(00)} \\
& - m_{000}^{(20)} m_{200}^{(01)} m_{011}^{(21)} + m_{000}^{(20)} m_{200}^{(01)} m_{002}^{(11)} + m_{000}^{(20)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(20)} m_{200}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{200}^{(11)} m_{101}^{(21)} - m_{000}^{(20)} m_{200}^{(11)} m_{002}^{(02)} - m_{000}^{(20)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(01)} \\
& - m_{000}^{(20)} m_{200}^{(21)} m_{101}^{(01)} + m_{000}^{(20)} m_{200}^{(21)} m_{011}^{(01)} + m_{000}^{(20)} m_{200}^{(22)} m_{110}^{(11)} - m_{000}^{(20)} m_{200}^{(22)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{110}^{(01)} m_{020}^{(20)} - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(10)} - m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(20)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(02)} + m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(00)} + m_{000}^{(20)} m_{110}^{(11)} m_{110}^{(20)} \\
& - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(00)} + m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(10)} - m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(00)} + m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(00)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(00)} m_{002}^{(11)} - m_{000}^{(21)} m_{200}^{(02)} m_{110}^{(21)} + m_{000}^{(21)} m_{200}^{(02)} m_{101}^{(11)} \\
& + m_{000}^{(21)} m_{200}^{(10)} m_{110}^{(22)} - m_{000}^{(21)} m_{200}^{(10)} m_{101}^{(21)} + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(11)} m_{200}^{(20)} \\
& + m_{000}^{(21)} m_{200}^{(12)} m_{200}^{(21)} - m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(01)} - m_{000}^{(21)} m_{200}^{(20)} m_{110}^{(12)} + m_{000}^{(21)} m_{200}^{(20)} m_{101}^{(11)} \\
& - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(01)} + m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(01)} - m_{000}^{(21)} m_{110}^{(00)} m_{110}^{(22)} - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(20)} \\
& + m_{000}^{(21)} m_{110}^{(00)} m_{020}^{(20)} + m_{000}^{(21)} m_{110}^{(01)} m_{110}^{(20)} - m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} \\
& - m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(00)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(00)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(20)} m_{002}^{(00)} \\
& - m_{000}^{(21)} m_{110}^{(20)} m_{002}^{(00)} + m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(00)} - m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(12)} m_{110}^{(00)} m_{002}^{(21)} + m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(20)} + m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(20)} \\
& + m_{000}^{(12)} m_{110}^{(20)} m_{002}^{(01)} + m_{000}^{(12)} m_{110}^{(20)} m_{002}^{(10)} - m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(01)} - m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(10)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(12)} m_{101}^{(00)} m_{002}^{(11)} + m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(12)} \\
& - m_{000}^{(12)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(12)} m_{101}^{(10)} m_{002}^{(01)} - m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(02)} \\
& + m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(20)} - m_{000}^{(12)} m_{020}^{(20)} m_{002}^{(00)} - m_{000}^{(12)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(12)} m_{011}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(22)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(12)} \\
& - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(21)} + m_{000}^{(20)} m_{101}^{(01)} m_{002}^{(11)} + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(21)} - m_{000}^{(20)} m_{101}^{(11)} m_{002}^{(01)} + m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(20)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(21)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(22)} m_{020}^{(01)} + m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(22)} - m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(02)} \\
& - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(12)} - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(20)} - m_{000}^{(20)} m_{011}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(20)} m_{011}^{(02)} m_{101}^{(10)} + m_{000}^{(20)} m_{011}^{(11)} m_{002}^{(00)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(22)} - m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(22)} \\
& - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(21)} + m_{000}^{(21)} m_{200}^{(21)} m_{101}^{(12)} - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(22)} \\
& + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(21)} - m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(02)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(21)} \\
& - m_{000}^{(21)} m_{101}^{(00)} m_{002}^{(11)} - m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(12)} + m_{000}^{(21)} m_{101}^{(02)} m_{101}^{(11)} - m_{000}^{(21)} m_{101}^{(10)} m_{101}^{(21)} \\
& - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(20)} + m_{000}^{(21)} m_{101}^{(10)} m_{002}^{(01)} + m_{000}^{(21)} m_{101}^{(11)} m_{101}^{(20)} \\
& - m_{000}^{(21)} m_{101}^{(20)} m_{011}^{(01)} + m_{000}^{(21)} m_{101}^{(20)} m_{011}^{(10)} + m_{000}^{(21)} m_{011}^{(00)} m_{002}^{(10)} - m_{000}^{(21)} m_{011}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(21)} + m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(21)} + m_{000}^{(22)} m_{200}^{(20)} m_{011}^{(11)} - m_{000}^{(22)} m_{200}^{(21)} m_{101}^{(11)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(21)} + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(20)} \\
& - m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(10)} + m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(10)} \\
& - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(21)} + m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(01)} - m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(22)} m_{020}^{(20)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V1 & 1 \\
V2 & V2 & 2 & A0 \\
& 2 & V3 & V3 & A0
\end{array}$$



$$\begin{aligned}
P_{56}^{(1)} = & -m_{000}^{(00)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(10)} m_{002}^{(21)} - m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(20)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(20)} \\
& + m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(00)} m_{110}^{(20)} m_{002}^{(11)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(00)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(00)} m_{101}^{(20)} m_{020}^{(12)} + m_{000}^{(00)} m_{101}^{(20)} m_{011}^{(11)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(10)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(10)} \\
& + m_{000}^{(01)} m_{200}^{(10)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(10)} m_{002}^{(21)} + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(20)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(20)} \\
& - m_{000}^{(01)} m_{200}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(20)} m_{002}^{(11)} - m_{000}^{(01)} m_{200}^{(21)} m_{002}^{(10)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(10)} \\
& - m_{000}^{(01)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(20)} + m_{000}^{(01)} m_{110}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(10)} \\
& + 2m_{000}^{(01)} m_{101}^{(10)} m_{101}^{(21)} - 2m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(20)} - m_{000}^{(02)} m_{200}^{(10)} m_{020}^{(22)} + m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(21)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(20)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(20)} + m_{000}^{(02)} m_{200}^{(20)} m_{020}^{(12)} - m_{000}^{(02)} m_{200}^{(20)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(10)} + 2m_{000}^{(02)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(21)} \\
& + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(20)} - 2m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(20)} + m_{000}^{(02)} m_{110}^{(20)} m_{101}^{(11)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} \\
& + m_{000}^{(10)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(00)} m_{002}^{(21)} + m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(20)} - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(20)} \\
& - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(01)} - m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(00)} + m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(00)} \\
& - m_{000}^{(10)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(21)} - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(20)} \\
& + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(02)} - m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(01)} + m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(00)} - m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(00)} m_{002}^{(21)} - m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(20)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(20)} \\
& + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(02)} - m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(01)} + m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(00)} - m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(00)} \\
& + m_{000}^{(11)} m_{110}^{(00)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(20)} + m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(20)} \\
& - 2m_{000}^{(11)} m_{101}^{(00)} m_{101}^{(21)} + 2m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(20)} + m_{000}^{(12)} m_{200}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(00)} m_{011}^{(21)} \\
& + m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(20)} - m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(20)} - m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(12)} + m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(11)} \\
& - m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(00)} + m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(00)} - 2m_{000}^{(12)} m_{110}^{(00)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(00)} m_{101}^{(21)} \\
& - m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(20)} + 2m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(20)} - m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(01)} + m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(00)} \\
& - m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(12)} + m_{000}^{(20)} m_{110}^{(00)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(02)} - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(00)} - m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(00)} \\
& + m_{000}^{(20)} m_{101}^{(00)} m_{020}^{(12)} - m_{000}^{(20)} m_{101}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(10)} - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(10)} \\
& - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(02)} + m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(00)} + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(00)} m_{011}^{(12)} - m_{000}^{(21)} m_{200}^{(00)} m_{002}^{(11)} + m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(10)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(02)} + m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(00)} + m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(00)} \\
& - m_{000}^{(21)} m_{110}^{(00)} m_{101}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(11)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} - m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} \\
& + 2m_{000}^{(21)} m_{101}^{(00)} m_{101}^{(11)} - 2m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(22)} m_{200}^{(00)} m_{020}^{(12)} + m_{000}^{(22)} m_{200}^{(00)} m_{011}^{(11)} \\
& - m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(10)} + m_{000}^{(22)} m_{200}^{(02)} m_{020}^{(10)} + m_{000}^{(22)} m_{200}^{(02)} m_{020}^{(12)} - m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(00)} - m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(00)} + 2m_{000}^{(22)} m_{110}^{(00)} m_{110}^{(12)} - m_{000}^{(22)} m_{110}^{(00)} m_{101}^{(11)} \\
& + m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(10)} - 2m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(10)} + m_{000}^{(22)} m_{110}^{(02)} m_{101}^{(01)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{56}^{(2)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(12)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(10)} m_{002}^{(21)} - m_{000}^{(00)} m_{020}^{(11)} m_{002}^{(20)} - m_{000}^{(00)} m_{020}^{(20)} m_{002}^{(11)} + m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(10)} \\
& - 2m_{000}^{(00)} m_{011}^{(10)} m_{011}^{(21)} + 2m_{000}^{(00)} m_{011}^{(11)} m_{011}^{(20)} + m_{000}^{(01)} m_{200}^{(11)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(21)} \\
& - m_{000}^{(01)} m_{200}^{(21)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(11)} - m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(21)} - m_{000}^{(01)} m_{110}^{(11)} m_{002}^{(20)} \\
& + m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(12)} + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(11)} + m_{000}^{(01)} m_{110}^{(22)} m_{002}^{(10)} + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(10)} \\
& - m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(21)} - m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(20)} \\
& - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(11)} - m_{000}^{(02)} m_{200}^{(11)} m_{020}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(20)} \\
& + m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(11)} + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(21)} + 2m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(22)}
\end{aligned}$$

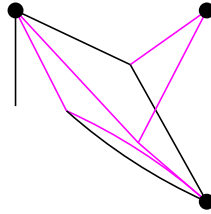
$$\begin{aligned}
& -m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(20)} - 2m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(21)} - m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(11)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(10)} \\
& -m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(21)} + m_{000}^{(02)} m_{101}^{(11)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(11)} - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(10)} \\
& + m_{000}^{(10)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(21)} - m_{000}^{(10)} m_{110}^{(21)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(01)} \\
& -m_{000}^{(10)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(21)} + m_{000}^{(10)} m_{101}^{(21)} m_{020}^{(02)} - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(01)} \\
& -m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(21)} + m_{000}^{(10)} m_{020}^{(01)} m_{002}^{(20)} + m_{000}^{(10)} m_{020}^{(20)} m_{002}^{(01)} - m_{000}^{(10)} m_{020}^{(21)} m_{002}^{(00)} \\
& + 2m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(21)} - 2m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(20)} - m_{000}^{(11)} m_{200}^{(01)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(21)} \\
& + m_{000}^{(11)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(21)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(21)} + m_{000}^{(11)} m_{110}^{(01)} m_{002}^{(20)} \\
& -m_{000}^{(11)} m_{110}^{(01)} m_{002}^{(20)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(21)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(01)} - m_{000}^{(11)} m_{110}^{(21)} m_{002}^{(02)} \\
& + m_{000}^{(11)} m_{110}^{(21)} m_{002}^{(00)} + m_{000}^{(11)} m_{110}^{(22)} m_{002}^{(01)} - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(21)} + m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(20)} \\
& + m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(20)} - m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(21)} + m_{000}^{(12)} m_{200}^{(01)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(21)} \\
& -m_{000}^{(12)} m_{200}^{(01)} m_{020}^{(22)} + m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(21)} - 2m_{000}^{(12)} m_{110}^{(01)} m_{011}^{(22)} \\
& + m_{000}^{(12)} m_{110}^{(01)} m_{011}^{(22)} + 2m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(21)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(12)} m_{110}^{(21)} m_{011}^{(02)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(12)} m_{101}^{(01)} m_{020}^{(20)} - m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(01)} + m_{000}^{(12)} m_{101}^{(21)} m_{020}^{(02)} \\
& -m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(12)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(11)} + m_{000}^{(20)} m_{110}^{(11)} m_{011}^{(02)} - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(12)} - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(11)} + m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(02)} - m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(02)} - m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(01)} - m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(11)} + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(12)} \\
& + m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(11)} - m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(10)} - m_{000}^{(20)} m_{020}^{(10)} m_{002}^{(01)} + m_{000}^{(20)} m_{020}^{(11)} m_{002}^{(02)} \\
& - 2m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + 2m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(01)} m_{011}^{(12)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(11)} \\
& - m_{000}^{(21)} m_{200}^{(01)} m_{011}^{(12)} + m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(11)} - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(11)} - m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(12)} \\
& + m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{002}^{(11)} + m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(01)} + m_{000}^{(21)} m_{110}^{(11)} m_{002}^{(02)} \\
& - m_{000}^{(21)} m_{110}^{(11)} m_{002}^{(02)} - m_{000}^{(21)} m_{110}^{(12)} m_{002}^{(01)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(12)} \\
& - m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(12)} + m_{000}^{(22)} m_{200}^{(02)} m_{020}^{(11)} \\
& + m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(12)} - m_{000}^{(22)} m_{200}^{(02)} m_{020}^{(11)} + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(11)} + 2m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(12)} \\
& - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(12)} - 2m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(11)} - m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(02)} \\
& - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(11)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(10)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(01)} - m_{000}^{(22)} m_{101}^{(11)} m_{020}^{(02)}
\end{aligned}$$

$$\begin{aligned}
P_{56}^{(3)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(21)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(12)} + m_{000}^{(00)} m_{101}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(10)} m_{002}^{(22)} - m_{000}^{(00)} m_{020}^{(12)} m_{002}^{(20)} - m_{000}^{(00)} m_{020}^{(20)} m_{002}^{(12)} + m_{000}^{(00)} m_{020}^{(22)} m_{002}^{(10)} \\
& - 2m_{000}^{(00)} m_{011}^{(10)} m_{011}^{(22)} + 2m_{000}^{(00)} m_{011}^{(12)} m_{011}^{(20)} + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(20)} \\
& - m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(22)} + m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(21)} - m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(22)} + m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(20)} \\
& + m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(22)} - m_{000}^{(01)} m_{110}^{(22)} m_{002}^{(20)} + m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(22)} - 2m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(22)} \\
& + 2m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(21)} - m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(20)} - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(22)} + m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(21)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(20)} \\
& - m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(11)} + m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(22)} + m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(12)} - m_{000}^{(02)} m_{101}^{(22)} m_{020}^{(10)} \\
& + m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(22)} - m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(21)} - m_{000}^{(10)} m_{110}^{(21)} m_{002}^{(02)} + m_{000}^{(10)} m_{110}^{(22)} m_{002}^{(01)} \\
& - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(22)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(21)} + m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(02)} - m_{000}^{(10)} m_{101}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(22)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(20)} + m_{000}^{(10)} m_{020}^{(20)} m_{002}^{(02)} - m_{000}^{(10)} m_{020}^{(22)} m_{002}^{(00)} \\
& + 2m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(22)} - 2m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(20)} - m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(21)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(11)} m_{200}^{(21)} m_{002}^{(02)} - m_{000}^{(11)} m_{200}^{(22)} m_{002}^{(01)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(20)} \\
& -m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(02)} + m_{000}^{(11)} m_{110}^{(22)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(22)} + 2m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(22)} \\
& -2m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(21)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(20)} + m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(02)} - m_{000}^{(11)} m_{101}^{(22)} m_{011}^{(00)} \\
& +m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(12)} m_{200}^{(02)} m_{011}^{(21)} - m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(02)} + m_{000}^{(12)} m_{200}^{(22)} m_{011}^{(01)} \\
& -m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(12)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(12)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(12)} m_{110}^{(02)} m_{011}^{(20)} \\
& +m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(02)} + m_{000}^{(12)} m_{110}^{(21)} m_{011}^{(02)} - m_{000}^{(12)} m_{110}^{(22)} m_{011}^{(01)} - m_{000}^{(12)} m_{110}^{(22)} m_{011}^{(00)} \\
& +m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(20)} - m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(02)} + m_{000}^{(12)} m_{101}^{(22)} m_{020}^{(00)} \\
& -m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(20)} m_{110}^{(02)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(02)} - m_{000}^{(20)} m_{110}^{(12)} m_{002}^{(01)} \\
& +m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(12)} - m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} \\
& +m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(12)} - m_{000}^{(20)} m_{020}^{(02)} m_{002}^{(10)} - m_{000}^{(20)} m_{020}^{(10)} m_{002}^{(02)} + m_{000}^{(20)} m_{020}^{(12)} m_{002}^{(00)} \\
& -2m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(12)} + 2m_{000}^{(20)} m_{011}^{(02)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(12)} - m_{000}^{(21)} m_{200}^{(02)} m_{002}^{(11)} \\
& -m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(02)} + m_{000}^{(21)} m_{200}^{(12)} m_{002}^{(01)} - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{002}^{(10)} \\
& +m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(02)} - m_{000}^{(21)} m_{110}^{(12)} m_{002}^{(00)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(12)} - 2m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(12)} \\
& +2m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(10)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} + m_{000}^{(21)} m_{101}^{(12)} m_{011}^{(00)} \\
& -m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(12)} + m_{000}^{(22)} m_{200}^{(02)} m_{011}^{(11)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(22)} m_{200}^{(12)} m_{011}^{(01)} \\
& +m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(12)} + m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(12)} - m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(11)} - m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(10)} \\
& -m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(02)} - m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(02)} + m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(00)} \\
& -m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(12)} + m_{000}^{(22)} m_{101}^{(02)} m_{020}^{(10)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(02)} - m_{000}^{(22)} m_{101}^{(12)} m_{020}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V1	1
V2	V2	V3	A0
V3	3	3	A0



$$\begin{aligned}
P_{57}^{(1)} = & m_{000}^{(00)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(00)} m_{110}^{(10)} m_{002}^{(21)} - m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(12)} + m_{000}^{(00)} m_{110}^{(20)} m_{002}^{(11)} \\
& -m_{000}^{(00)} m_{101}^{(10)} m_{020}^{(22)} + m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(20)} m_{020}^{(12)} - m_{000}^{(00)} m_{101}^{(20)} m_{011}^{(11)} \\
& -m_{000}^{(00)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(00)} m_{002}^{(21)} - m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(20)} + m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(10)} \\
& -m_{000}^{(00)} m_{020}^{(12)} m_{002}^{(00)} + m_{000}^{(00)} m_{020}^{(20)} m_{011}^{(00)} - m_{000}^{(00)} m_{020}^{(20)} m_{002}^{(01)} + m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(00)} \\
& +m_{000}^{(00)} m_{011}^{(00)} m_{011}^{(12)} - m_{000}^{(00)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(00)} m_{011}^{(00)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(20)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(10)} - m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(10)} + m_{000}^{(00)} m_{011}^{(10)} m_{002}^{(01)} + m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(00)} \\
& + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(20)} - m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(10)} - m_{000}^{(01)} m_{110}^{(10)} m_{101}^{(20)} + m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(20)} \\
& - m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(20)} + m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(00)} + m_{000}^{(01)} m_{110}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(10)} \\
& + m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(10)} - m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(20)} - m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(10)} + m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(01)} m_{020}^{(00)} m_{002}^{(20)} + m_{000}^{(01)} m_{020}^{(20)} m_{002}^{(00)} + 2m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(10)} - 2m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(20)} + m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(21)} - m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(20)} \\
& + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(02)} m_{110}^{(11)} m_{002}^{(00)} - m_{000}^{(02)} m_{110}^{(20)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(00)} + m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(20)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(10)} \\
& + m_{000}^{(02)} m_{101}^{(10)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(10)} - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(00)} \\
& + 2m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(20)} - m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(10)} + m_{000}^{(02)} m_{020}^{(10)} m_{002}^{(00)} - 2m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(00)} \\
& - m_{000}^{(10)} m_{200}^{(10)} m_{011}^{(22)} + m_{000}^{(10)} m_{200}^{(10)} m_{002}^{(21)} + m_{000}^{(10)} m_{200}^{(10)} m_{011}^{(12)} - m_{000}^{(10)} m_{200}^{(10)} m_{002}^{(11)} \\
& + m_{000}^{(10)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(00)} m_{002}^{(21)} + m_{000}^{(10)} m_{110}^{(02)} m_{011}^{(20)} - m_{000}^{(10)} m_{110}^{(02)} m_{002}^{(10)} \\
& - m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(20)} + m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(00)} - m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(01)} \\
& + m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(10)} - m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(10)} m_{101}^{(00)} m_{002}^{(11)} \\
& - m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(10)} - m_{000}^{(10)} m_{101}^{(10)} m_{101}^{(21)} + m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{101}^{(10)} m_{002}^{(01)} + m_{000}^{(10)} m_{101}^{(11)} m_{101}^{(20)} - m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(00)} + m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(20)} + m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(10)} + m_{000}^{(11)} m_{200}^{(10)} m_{101}^{(22)} - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(20)} \\
& + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(20)} - m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(00)} - m_{000}^{(11)} m_{200}^{(20)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(10)} \\
& - m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(10)} + m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(00)} - m_{000}^{(11)} m_{110}^{(00)} m_{101}^{(22)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(20)} \\
& + m_{000}^{(11)} m_{110}^{(20)} m_{011}^{(02)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(00)} + m_{000}^{(11)} m_{101}^{(00)} m_{101}^{(12)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(11)} \\
& - 2m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(10)} - m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(10)} + 2m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(20)} - m_{000}^{(12)} m_{200}^{(01)} m_{002}^{(10)} - m_{000}^{(12)} m_{200}^{(10)} m_{101}^{(21)} + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(20)} \\
& - m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(20)} + m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(00)} + m_{000}^{(12)} m_{200}^{(20)} m_{101}^{(11)} - m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(10)} \\
& + m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(10)} - m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(00)} + m_{000}^{(12)} m_{110}^{(00)} m_{101}^{(21)} - 2m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(20)} \\
& + m_{000}^{(12)} m_{110}^{(00)} m_{002}^{(10)} + m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(00)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(01)} \\
& - m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(10)} + 2m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(00)} - m_{000}^{(12)} m_{101}^{(00)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(10)} \\
& + m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(00)} + m_{000}^{(12)} m_{200}^{(10)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(21)} \\
& - m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(12)} + m_{000}^{(20)} m_{020}^{(11)} m_{011}^{(00)} - m_{000}^{(20)} m_{110}^{(00)} m_{020}^{(20)} + m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(21)} \\
& - m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(20)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(10)} - m_{000}^{(20)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(21)} \\
& + m_{000}^{(20)} m_{110}^{(12)} m_{110}^{(20)} - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(00)} - m_{000}^{(20)} m_{110}^{(20)} m_{101}^{(11)} + m_{000}^{(20)} m_{110}^{(20)} m_{020}^{(02)} \\
& - m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(00)} + m_{000}^{(20)} m_{101}^{(00)} m_{020}^{(12)} - m_{000}^{(20)} m_{101}^{(00)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(20)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(10)} - m_{000}^{(20)} m_{101}^{(10)} m_{020}^{(02)} + m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(20)} + m_{000}^{(20)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(20)} m_{200}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(21)} m_{200}^{(10)} m_{110}^{(22)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(20)} - m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(20)} + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(00)} \\
& + m_{000}^{(21)} m_{200}^{(20)} m_{110}^{(12)} - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(10)} - m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(00)} \\
& + m_{000}^{(21)} m_{110}^{(00)} m_{110}^{(22)} - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(01)} m_{110}^{(20)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} \\
& - m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(12)} m_{011}^{(00)} + m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(00)}
\end{aligned}$$

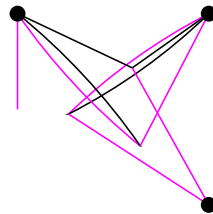
$$\begin{aligned}
& -m_{000}^{(20)} m_{200}^{(21)} m_{020}^{(12)} + m_{000}^{(20)} m_{200}^{(21)} m_{011}^{(11)} - m_{000}^{(20)} m_{110}^{(01)} m_{020}^{(22)} + m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(21)} \\
& -m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(21)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(11)} - m_{000}^{(20)} m_{110}^{(11)} m_{110}^{(22)} + m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(21)} \\
& + m_{000}^{(20)} m_{110}^{(12)} m_{110}^{(21)} - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(11)} + m_{000}^{(20)} m_{110}^{(21)} m_{020}^{(02)} \\
& - m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(01)} + m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(01)} + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(12)} + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(21)} \\
& - 2m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(11)} - m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(02)} + 2m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(21)} m_{200}^{(02)} m_{020}^{(21)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(11)} - m_{000}^{(21)} m_{200}^{(11)} m_{110}^{(22)} + m_{000}^{(21)} m_{200}^{(11)} m_{011}^{(20)} \\
& - m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(01)} + m_{000}^{(21)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(21)} m_{200}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(11)} - m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(01)} + m_{000}^{(21)} m_{110}^{(01)} m_{110}^{(22)} - m_{000}^{(21)} m_{110}^{(01)} m_{011}^{(20)} \\
& - m_{000}^{(21)} m_{110}^{(02)} m_{110}^{(21)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(01)} \\
& + m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(00)} m_{020}^{(21)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(11)} \\
& + m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(10)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(01)} - m_{000}^{(21)} m_{101}^{(11)} m_{011}^{(00)} + m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(01)} \\
& - m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(11)} + 2m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(21)} - m_{000}^{(22)} m_{200}^{(11)} m_{020}^{(20)} \\
& - m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(01)} - 2m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(01)} + m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(10)} \\
& + m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(11)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(11)} + m_{000}^{(22)} m_{110}^{(01)} m_{020}^{(20)} \\
& - m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(21)} + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{110}^{(20)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(01)} \\
& - m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(01)} - m_{000}^{(22)} m_{110}^{(21)} m_{020}^{(00)} - m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(10)} + m_{000}^{(22)} m_{101}^{(11)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{57}^{(3)} = & m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(22)} - m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(21)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(12)} + m_{000}^{(00)} m_{110}^{(22)} m_{002}^{(11)} \\
& - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(22)} + m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(12)} - m_{000}^{(00)} m_{101}^{(22)} m_{011}^{(11)} \\
& - 2m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(12)} + m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(21)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(02)} \\
& + 2m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(02)} - m_{000}^{(00)} m_{020}^{(22)} m_{002}^{(01)} + m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(22)} - m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(12)} \\
& - m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(21)} - m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(01)} \\
& + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(12)} - 2m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(02)} \\
& + m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(20)} + 2m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(02)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(10)} \\
& - m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(22)} + m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(12)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(20)} \\
& + m_{000}^{(01)} m_{101}^{(22)} m_{020}^{(02)} + m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(10)} - m_{000}^{(01)} m_{020}^{(02)} m_{002}^{(20)} + m_{000}^{(01)} m_{020}^{(02)} m_{002}^{(00)} \\
& - m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(22)} + m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(12)} + m_{000}^{(01)} m_{011}^{(02)} m_{011}^{(20)} + m_{000}^{(01)} m_{011}^{(02)} m_{002}^{(10)} \\
& - m_{000}^{(01)} m_{011}^{(02)} m_{002}^{(02)} - m_{000}^{(01)} m_{011}^{(12)} m_{002}^{(00)} - m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} + m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(12)} \\
& + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(22)} - m_{000}^{(02)} m_{110}^{(11)} m_{002}^{(02)} + m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(21)} - m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(20)} \\
& - m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(02)} + m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(11)} - m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(22)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(20)} \\
& - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(02)} - m_{000}^{(02)} m_{101}^{(22)} m_{020}^{(10)} + m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(22)} - m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(12)} \\
& + m_{000}^{(02)} m_{020}^{(02)} m_{011}^{(20)} + m_{000}^{(02)} m_{020}^{(10)} m_{002}^{(02)} - m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(02)} - m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(00)} \\
& + m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(12)} - m_{000}^{(02)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(02)} m_{011}^{(10)} m_{011}^{(22)} + m_{000}^{(02)} m_{011}^{(10)} m_{002}^{(21)} \\
& + m_{000}^{(02)} m_{011}^{(12)} m_{011}^{(10)} - m_{000}^{(02)} m_{011}^{(22)} m_{011}^{(11)} + 2m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(02)} m_{002}^{(12)} \\
& - m_{000}^{(02)} m_{110}^{(02)} m_{002}^{(10)} - m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(22)} + m_{000}^{(02)} m_{110}^{(12)} m_{002}^{(21)} + m_{000}^{(02)} m_{110}^{(12)} m_{101}^{(12)} \\
& - 2m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(02)} + m_{000}^{(02)} m_{110}^{(22)} m_{002}^{(01)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(22)} + m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(12)} \\
& - m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(12)} + m_{000}^{(02)} m_{101}^{(02)} m_{002}^{(11)} + m_{000}^{(02)} m_{101}^{(11)} m_{101}^{(22)} - m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(02)} \\
& - m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(21)} + m_{000}^{(02)} m_{101}^{(12)} m_{002}^{(01)} - m_{000}^{(02)} m_{101}^{(21)} m_{002}^{(10)} + m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(02)} \\
& - m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(02)} m_{101}^{(21)} m_{002}^{(01)} + m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(02)} \\
& - m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(02)} m_{002}^{(12)} + 2m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(22)} - m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(20)} - 2m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(02)} + m_{000}^{(11)} m_{200}^{(22)} m_{002}^{(10)} \\
& -m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(22)} + m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(20)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(02)} - m_{000}^{(11)} m_{110}^{(22)} m_{002}^{(00)} \\
& + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(22)} - m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(12)} - m_{000}^{(11)} m_{101}^{(02)} m_{002}^{(10)} - m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(22)} \\
& + m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(02)} + m_{000}^{(11)} m_{101}^{(12)} m_{101}^{(20)} + m_{000}^{(11)} m_{101}^{(12)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(02)} \\
& + m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(22)} - m_{000}^{(12)} m_{200}^{(01)} m_{002}^{(12)} - m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(22)} + m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(02)} \\
& - m_{000}^{(12)} m_{200}^{(12)} m_{101}^{(21)} + m_{000}^{(12)} m_{200}^{(12)} m_{011}^{(20)} + m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(12)} - m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(02)} \\
& + m_{000}^{(12)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(12)} m_{200}^{(22)} m_{011}^{(10)} - m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(12)} m_{110}^{(00)} m_{002}^{(12)} \\
& + m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(02)} m_{011}^{(20)} + m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(02)} \\
& - m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(02)} - m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(01)} + m_{000}^{(12)} m_{110}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(12)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(02)} m_{011}^{(10)} - m_{000}^{(12)} m_{101}^{(12)} m_{011}^{(00)} \\
& + m_{000}^{(20)} m_{200}^{(12)} m_{020}^{(22)} - m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(20)} m_{200}^{(22)} m_{020}^{(12)} + m_{000}^{(20)} m_{200}^{(22)} m_{011}^{(11)} \\
& - 2m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(22)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(12)} + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(21)} \\
& - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(02)} - m_{000}^{(20)} m_{110}^{(22)} m_{101}^{(11)} + 2m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(02)} - m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(22)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(12)} - m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(02)} - m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(02)} + m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(02)} \\
& + m_{000}^{(21)} m_{200}^{(02)} m_{020}^{(22)} - m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(12)} - 2m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(22)} + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(02)} \\
& + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(20)} + 2m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(12)} - m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(02)} - m_{000}^{(21)} m_{200}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(12)} - m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(02)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(01)} \\
& + m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(12)} \\
& + m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(10)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(21)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(21)} m_{101}^{(12)} m_{020}^{(02)} \\
& - m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(22)} + m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(12)} + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(22)} - m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(02)} \\
& + m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(21)} - m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(20)} - m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(12)} + m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(02)} \\
& - m_{000}^{(22)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(22)} m_{020}^{(10)} + m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(12)} \\
& + m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(22)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(12)} - m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(21)} + m_{000}^{(22)} m_{110}^{(02)} m_{020}^{(20)} \\
& - m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(02)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(22)} m_{110}^{(12)} m_{110}^{(20)} \\
& - m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(22)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(22)} m_{101}^{(02)} m_{020}^{(10)} + m_{000}^{(22)} m_{101}^{(12)} m_{020}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V2	V1
	1	2	A0
V2	V3	V3	A0



$$\begin{aligned}
P_{58}^{(1)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(20)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(20)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(10)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(10)} \\
& - m_{000}^{(00)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(20)} - m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(20)} \\
& - m_{000}^{(00)} m_{020}^{(10)} m_{002}^{(02)} + m_{000}^{(00)} m_{020}^{(10)} m_{011}^{(02)} - m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(00)} + m_{000}^{(00)} m_{020}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(00)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(00)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(00)} m_{011}^{(00)} m_{002}^{(11)} - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(20)} \\
& - m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(10)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(10)} + m_{000}^{(00)} m_{011}^{(10)} m_{002}^{(01)} + m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(00)} \\
& + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(20)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(20)} - m_{000}^{(01)} m_{200}^{(21)} m_{002}^{(10)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(01)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(00)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(20)} + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(20)} \\
& - m_{000}^{(01)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(01)} m_{110}^{(10)} m_{002}^{(02)} + m_{000}^{(01)} m_{110}^{(10)} m_{101}^{(02)} - m_{000}^{(01)} m_{110}^{(10)} m_{011}^{(02)} \\
& + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(00)} - m_{000}^{(01)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(01)} m_{101}^{(00)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{101}^{(01)} m_{002}^{(10)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(10)} + m_{000}^{(01)} m_{101}^{(10)} m_{101}^{(21)} - m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(01)} \\
& - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(20)} - m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(00)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(01)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(20)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(20)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(10)} \\
& - m_{000}^{(02)} m_{110}^{(00)} m_{020}^{(22)} + m_{000}^{(02)} m_{110}^{(00)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(02)} m_{110}^{(02)} m_{020}^{(20)} \\
& + m_{000}^{(02)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(02)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(20)} \\
& + m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(02)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(00)} + m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(00)} \\
& + m_{000}^{(02)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(10)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(10)} \\
& + m_{000}^{(02)} m_{101}^{(10)} m_{011}^{(01)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(00)} - m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(01)} \\
& + m_{000}^{(10)} m_{110}^{(00)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(00)} m_{002}^{(12)} - m_{000}^{(10)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(10)} m_{110}^{(10)} m_{002}^{(02)} \\
& + m_{000}^{(10)} m_{110}^{(10)} m_{002}^{(20)} - m_{000}^{(10)} m_{110}^{(12)} m_{020}^{(20)} + m_{000}^{(10)} m_{110}^{(20)} m_{101}^{(12)} - m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(10)} + m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(10)} - m_{000}^{(10)} m_{101}^{(00)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(12)} \\
& - m_{000}^{(10)} m_{101}^{(10)} m_{020}^{(02)} - m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(20)} + m_{000}^{(10)} m_{101}^{(20)} m_{020}^{(02)} + m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(10)} \\
& - m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(20)} + m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(00)} + 2m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(10)} - 2m_{000}^{(10)} m_{011}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(00)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(00)} m_{002}^{(12)} + m_{000}^{(11)} m_{200}^{(10)} m_{101}^{(22)} - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(02)} \\
& - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(20)} + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(20)} - m_{000}^{(11)} m_{200}^{(20)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(02)} \\
& + m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(10)} - m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(10)} + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(20)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(20)} \\
& - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(00)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(00)} - m_{000}^{(11)} m_{101}^{(00)} m_{101}^{(12)} + m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(20)} \\
& - 2m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(10)} + m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(10)} + 2m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(00)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(00)} m_{011}^{(12)} - m_{000}^{(12)} m_{200}^{(10)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(02)} \\
& + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(20)} - m_{000}^{(12)} m_{200}^{(12)} m_{110}^{(20)} + m_{000}^{(12)} m_{200}^{(20)} m_{110}^{(12)} - m_{000}^{(12)} m_{200}^{(20)} m_{020}^{(02)} \\
& - m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(10)} + m_{000}^{(12)} m_{200}^{(22)} m_{110}^{(10)} - m_{000}^{(12)} m_{110}^{(00)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(00)} m_{101}^{(12)} \\
& - m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(20)} + m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(20)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(02)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(01)} \\
& + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(10)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(00)} - m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(20)} + 2m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(10)} \\
& - 2m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(00)} - m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(12)} m_{110}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(21)} - m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(20)} m_{110}^{(10)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(20)} \\
& - m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(01)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(10)} - m_{000}^{(20)} m_{110}^{(20)} m_{101}^{(01)} \\
& + m_{000}^{(20)} m_{101}^{(00)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{101}^{(10)} m_{020}^{(01)} + m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(01)} \\
& - m_{000}^{(20)} m_{101}^{(20)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(20)} m_{020}^{(10)} + 2m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(20)} - m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(20)} m_{020}^{(10)} m_{002}^{(00)} - 2m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(00)} + m_{000}^{(21)} m_{200}^{(00)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(00)} m_{002}^{(11)} \\
& - m_{000}^{(21)} m_{200}^{(10)} m_{101}^{(21)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(20)} + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(20)} \\
& + m_{000}^{(21)} m_{200}^{(20)} m_{101}^{(11)} - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(01)} - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(10)} + m_{000}^{(21)} m_{200}^{(21)} m_{101}^{(10)} \\
& - 2m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(20)} + m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(10)} + m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(20)} + m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(20)} \\
& - m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(00)} - m_{000}^{(21)} m_{110}^{(20)} m_{101}^{(10)} + 2m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(00)} - m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(00)} \\
& + m_{000}^{(21)} m_{101}^{(00)} m_{101}^{(11)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(10)} - m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(00)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(00)} m_{011}^{(11)} + m_{000}^{(22)} m_{200}^{(10)} m_{110}^{(21)} - m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(20)} \\
& - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(01)} + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(20)} - m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(01)} \\
& + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(10)} - m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(10)} + m_{000}^{(22)} m_{110}^{(00)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{101}^{(11)} \\
& + 2m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(20)} - m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(10)} - m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(20)} + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(00)} - 2m_{000}^{(22)} m_{110}^{(20)} m_{002}^{(00)} - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(10)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{58}^{(2)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(21)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(11)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(21)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(21)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(11)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(11)} \\
& - m_{000}^{(00)} m_{020}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(12)} + m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(21)} - m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(21)} \\
& - m_{000}^{(00)} m_{020}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{020}^{(21)} m_{011}^{(02)} - m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(01)} + m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(12)} - 2m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(11)} + 2m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(21)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(01)} m_{200}^{(21)} m_{002}^{(11)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(01)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(21)} + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(21)} \\
& - m_{000}^{(01)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(01)} m_{110}^{(11)} m_{002}^{(02)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(21)} m_{011}^{(02)} \\
& + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(01)} - m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(01)} - m_{000}^{(01)} m_{101}^{(01)} m_{011}^{(21)} + 2m_{000}^{(01)} m_{101}^{(01)} m_{002}^{(11)} \\
& - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} - 2m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(01)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(01)} + m_{000}^{(01)} m_{101}^{(21)} m_{011}^{(01)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(21)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(11)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(11)} \\
& - m_{000}^{(02)} m_{110}^{(01)} m_{020}^{(22)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(21)} - m_{000}^{(02)} m_{110}^{(02)} m_{020}^{(21)} \\
& + m_{000}^{(02)} m_{110}^{(11)} m_{110}^{(22)} + m_{000}^{(02)} m_{110}^{(11)} m_{101}^{(02)} - m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(02)} - m_{000}^{(02)} m_{110}^{(12)} m_{110}^{(21)} \\
& - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(21)} m_{020}^{(02)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(01)} + m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(01)} \\
& + m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(21)} - 2m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(11)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(11)} + 2m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(11)} \\
& - m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(01)} - m_{000}^{(02)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(10)} m_{110}^{(01)} m_{011}^{(22)} - m_{000}^{(10)} m_{110}^{(01)} m_{002}^{(12)} \\
& + m_{000}^{(10)} m_{110}^{(10)} m_{002}^{(21)} - m_{000}^{(10)} m_{110}^{(11)} m_{101}^{(22)} + m_{000}^{(10)} m_{110}^{(11)} m_{002}^{(02)} - m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(21)} \\
& - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(11)} + m_{000}^{(10)} m_{110}^{(21)} m_{101}^{(12)} - m_{000}^{(10)} m_{110}^{(21)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(11)} \\
& - m_{000}^{(10)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(12)} - m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(21)} - m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(01)} \\
& + m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(11)} + m_{000}^{(10)} m_{101}^{(21)} m_{020}^{(02)} - m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(21)} + m_{000}^{(10)} m_{020}^{(01)} m_{002}^{(01)} \\
& + m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(21)} + m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(11)} - m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(20)} + m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(10)} \\
& - m_{000}^{(10)} m_{011}^{(10)} m_{002}^{(01)} - m_{000}^{(10)} m_{011}^{(11)} m_{002}^{(00)} - m_{000}^{(11)} m_{200}^{(01)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(12)} \\
& - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(21)} + m_{000}^{(11)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(11)} m_{200}^{(11)} m_{002}^{(02)} + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(21)} \\
& + m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(11)} - m_{000}^{(11)} m_{200}^{(21)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(21)} m_{011}^{(02)} - m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(11)} \\
& + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(21)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(01)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(01)} \\
& - m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(11)} - m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(12)} + m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(20)} - m_{000}^{(11)} m_{101}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(21)} + m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(21)} + m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(01)} - m_{000}^{(11)} m_{101}^{(11)} m_{101}^{(20)} \\
& + m_{000}^{(11)} m_{101}^{(11)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(21)} m_{002}^{(00)} + m_{000}^{(12)} m_{200}^{(01)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(01)} m_{011}^{(12)}
\end{aligned}$$

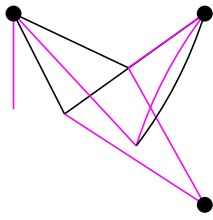
$$\begin{aligned}
& +m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(12)} m_{200}^{(11)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(12)} m_{200}^{(12)} m_{110}^{(21)} \\
& -m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(11)} + m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(12)} m_{200}^{(21)} m_{020}^{(02)} + m_{000}^{(12)} m_{200}^{(22)} m_{110}^{(11)} \\
& -m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(21)} - m_{000}^{(12)} m_{110}^{(01)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(12)} + m_{000}^{(12)} m_{110}^{(02)} m_{110}^{(21)} \\
& -m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(12)} m_{110}^{(11)} m_{101}^{(11)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(01)} \\
& +m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(12)} m_{101}^{(01)} m_{020}^{(20)} + m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(10)} - m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(01)} \\
& -m_{000}^{(12)} m_{101}^{(11)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(21)} m_{020}^{(00)} - m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(11)} \\
& -m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(21)} + 2m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(21)} - m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(11)} \\
& -2m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(11)} + m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(01)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(11)} \\
& +m_{000}^{(20)} m_{101}^{(10)} m_{020}^{(21)} + m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(20)} m_{020}^{(11)} - m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(01)} \\
& +m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{020}^{(01)} m_{011}^{(20)} - m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(10)} + m_{000}^{(20)} m_{020}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(20)} m_{020}^{(20)} m_{011}^{(01)} - m_{000}^{(20)} m_{020}^{(21)} m_{011}^{(00)} - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(10)} \\
& +m_{000}^{(21)} m_{200}^{(01)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(01)} m_{002}^{(21)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(21)} - 2m_{000}^{(21)} m_{200}^{(10)} m_{101}^{(21)} \\
& +m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(11)} + 2m_{000}^{(21)} m_{200}^{(21)} m_{101}^{(11)} - m_{000}^{(21)} m_{200}^{(21)} m_{011}^{(01)} \\
& -m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(21)} - m_{000}^{(21)} m_{110}^{(01)} m_{011}^{(20)} + m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(10)} \\
& +m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(11)} m_{002}^{(00)} + m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(01)} \\
& -m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(21)} m_{011}^{(00)} + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(11)} - m_{000}^{(21)} m_{101}^{(01)} m_{011}^{(01)} \\
& -m_{000}^{(22)} m_{200}^{(01)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(01)} m_{011}^{(11)} - m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(21)} + 2m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(21)} \\
& -m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(01)} + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(11)} - 2m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(01)} \\
& +m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(21)} - m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(11)} + m_{000}^{(22)} m_{110}^{(01)} m_{020}^{(20)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(10)} \\
& +m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(11)} m_{110}^{(20)} + m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(00)} \\
& -m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(21)} m_{020}^{(00)} - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(11)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(01)}
\end{aligned}$$

$$\begin{aligned}
P_{58}^{(3)} = & -m_{000}^{(00)} m_{110}^{(11)} m_{002}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(12)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(12)} \\
& +m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(12)} + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(12)} \\
& +m_{000}^{(00)} m_{020}^{(01)} m_{002}^{(22)} - 2m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(22)} + m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(12)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(02)} \\
& -m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(02)} + 2m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(02)} - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(22)} - m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(12)} \\
& +m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(21)} - m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(02)} + m_{000}^{(00)} m_{011}^{(12)} m_{002}^{(01)} \\
& +m_{000}^{(01)} m_{200}^{(11)} m_{002}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(21)} m_{002}^{(12)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(12)} \\
& -m_{000}^{(01)} m_{110}^{(01)} m_{002}^{(22)} + 2m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(22)} - m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(12)} - m_{000}^{(01)} m_{110}^{(12)} m_{101}^{(22)} \\
& +m_{000}^{(01)} m_{110}^{(12)} m_{002}^{(02)} + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(02)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(12)} - 2m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(02)} \\
& +m_{000}^{(01)} m_{101}^{(01)} m_{002}^{(12)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(12)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(02)} m_{002}^{(11)} \\
& -m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(22)} - m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(02)} + m_{000}^{(01)} m_{101}^{(12)} m_{101}^{(21)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(02)} \\
& -m_{000}^{(01)} m_{101}^{(12)} m_{002}^{(01)} + m_{000}^{(01)} m_{101}^{(22)} m_{011}^{(01)} - m_{000}^{(01)} m_{200}^{(02)} m_{011}^{(12)} + m_{000}^{(01)} m_{200}^{(02)} m_{020}^{(12)} \\
& +m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(12)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} - 2m_{000}^{(02)} m_{110}^{(02)} m_{020}^{(22)} \\
& +m_{000}^{(02)} m_{110}^{(02)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(11)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(12)} m_{011}^{(02)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(12)} \\
& -m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(02)} + 2m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(02)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(12)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(12)} \\
& +m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(11)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(02)} - m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(02)} \\
& +m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(02)} m_{101}^{(22)} m_{020}^{(01)} + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(12)} \\
& +m_{000}^{(10)} m_{110}^{(10)} m_{002}^{(22)} - 2m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(22)} + m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(02)} - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(12)} \\
& +2m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(12)} - m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(02)} - m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(12)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(10)} m_{101}^{(10)} m_{011}^{(22)} - m_{000}^{(10)} m_{101}^{(12)} m_{011}^{(02)} + m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(12)} + m_{000}^{(10)} m_{101}^{(22)} m_{011}^{(02)} \\
& -m_{000}^{(10)} m_{020}^{(00)} m_{002}^{(22)} + m_{000}^{(10)} m_{020}^{(20)} m_{002}^{(02)} + m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(22)} + m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(12)} \\
& -m_{000}^{(10)} m_{011}^{(02)} m_{011}^{(20)} + m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(10)} - m_{000}^{(10)} m_{011}^{(10)} m_{002}^{(02)} - m_{000}^{(10)} m_{011}^{(12)} m_{002}^{(00)} \\
& -m_{000}^{(11)} m_{200}^{(02)} m_{011}^{(22)} + m_{000}^{(11)} m_{200}^{(11)} m_{002}^{(12)} - m_{000}^{(11)} m_{200}^{(10)} m_{002}^{(22)} + 2m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(22)} \\
& -m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(02)} + m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(12)} - 2m_{000}^{(11)} m_{200}^{(22)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(02)} \\
& + m_{000}^{(11)} m_{110}^{(00)} m_{002}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(02)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(02)} \\
& -m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(12)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(20)} - m_{000}^{(11)} m_{101}^{(02)} m_{002}^{(10)} + m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(22)} \\
& + m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(02)} - m_{000}^{(11)} m_{101}^{(12)} m_{101}^{(20)} + m_{000}^{(11)} m_{101}^{(12)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(02)} m_{020}^{(22)} - m_{000}^{(12)} m_{200}^{(02)} m_{011}^{(12)} + m_{000}^{(12)} m_{200}^{(10)} m_{011}^{(22)} - 2m_{000}^{(12)} m_{200}^{(12)} m_{110}^{(22)} \\
& + m_{000}^{(12)} m_{200}^{(12)} m_{011}^{(02)} - m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(12)} + 2m_{000}^{(12)} m_{200}^{(22)} m_{110}^{(12)} - m_{000}^{(12)} m_{200}^{(22)} m_{002}^{(02)} \\
& -m_{000}^{(12)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(12)} m_{110}^{(02)} m_{101}^{(12)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(22)} - m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(02)} \\
& + m_{000}^{(12)} m_{110}^{(12)} m_{101}^{(02)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(02)} + m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(12)} - m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(02)} m_{011}^{(10)} - m_{000}^{(12)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(12)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(22)} m_{020}^{(00)} \\
& -m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(02)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(22)} + m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(22)} \\
& + m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(01)} - m_{000}^{(20)} m_{110}^{(12)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(12)} \\
& -m_{000}^{(20)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(21)} - m_{000}^{(20)} m_{101}^{(02)} m_{011}^{(11)} \\
& + m_{000}^{(20)} m_{101}^{(02)} m_{020}^{(10)} + m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(20)} m_{020}^{(12)} - m_{000}^{(20)} m_{101}^{(22)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(22)} + m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(20)} - m_{000}^{(20)} m_{020}^{(02)} m_{002}^{(10)} + m_{000}^{(20)} m_{020}^{(12)} m_{002}^{(00)} \\
& -m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(00)} - m_{000}^{(20)} m_{020}^{(22)} m_{011}^{(00)} - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(20)} m_{011}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(21)} m_{200}^{(02)} m_{011}^{(21)} - m_{000}^{(21)} m_{200}^{(02)} m_{002}^{(11)} + m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(22)} - m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(22)} \\
& -m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(01)} + m_{000}^{(21)} m_{200}^{(12)} m_{002}^{(01)} - m_{000}^{(21)} m_{200}^{(20)} m_{011}^{(12)} + m_{000}^{(21)} m_{200}^{(21)} m_{101}^{(12)} \\
& + m_{000}^{(21)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(21)} m_{200}^{(22)} m_{011}^{(01)} - m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(22)} + m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(22)} \\
& -m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(20)} + m_{000}^{(21)} m_{110}^{(02)} m_{002}^{(10)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(12)} m_{002}^{(00)} \\
& + m_{000}^{(21)} m_{110}^{(20)} m_{011}^{(02)} - m_{000}^{(21)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(21)} m_{101}^{(00)} m_{011}^{(12)} - m_{000}^{(21)} m_{101}^{(01)} m_{101}^{(12)} + m_{000}^{(21)} m_{101}^{(02)} m_{101}^{(11)} - m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} \\
& -m_{000}^{(22)} m_{200}^{(02)} m_{020}^{(21)} + m_{000}^{(22)} m_{200}^{(02)} m_{011}^{(11)} - m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(22)} + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(22)} \\
& + m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(21)} - m_{000}^{(22)} m_{200}^{(12)} m_{011}^{(01)} + m_{000}^{(22)} m_{200}^{(20)} m_{020}^{(12)} - m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(12)} \\
& -m_{000}^{(22)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(22)} m_{200}^{(22)} m_{020}^{(01)} + m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(22)} \\
& + m_{000}^{(22)} m_{110}^{(02)} m_{101}^{(21)} - m_{000}^{(22)} m_{110}^{(02)} m_{101}^{(11)} + m_{000}^{(22)} m_{110}^{(02)} m_{020}^{(20)} - m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(22)} m_{110}^{(12)} m_{110}^{(20)} + m_{000}^{(22)} m_{110}^{(12)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(00)} \\
& -m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(22)} - m_{000}^{(22)} m_{110}^{(22)} m_{020}^{(00)} - m_{000}^{(22)} m_{101}^{(00)} m_{020}^{(12)} + m_{000}^{(22)} m_{101}^{(02)} m_{020}^{(10)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & 1 & V1 \\
V2 & V2 & 2 & A0 \\
& 2 & V3 & V3 & A0
\end{array}$$



$$\begin{aligned}
P_{59}^{(1)} = & -m_{000}^{(00)} m_{110}^{(12)} m_{110}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{101}^{(12)} - m_{000}^{(00)} m_{110}^{(20)} m_{020}^{(22)} + m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(11)} + m_{000}^{(00)} m_{110}^{(21)} m_{110}^{(22)} - m_{000}^{(00)} m_{110}^{(21)} m_{101}^{(21)} \\
& - m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(02)} + m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(01)} + m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(02)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(01)} \\
& + m_{000}^{(00)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(12)} - m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(10)} m_{002}^{(11)} \\
& - m_{000}^{(00)} m_{101}^{(11)} m_{101}^{(12)} + m_{000}^{(00)} m_{101}^{(11)} m_{101}^{(21)} + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(02)} - m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(01)} \\
& - m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(02)} + m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(01)} + m_{000}^{(01)} m_{200}^{(12)} m_{110}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{101}^{(12)} \\
& - m_{000}^{(01)} m_{200}^{(22)} m_{110}^{(21)} + m_{000}^{(01)} m_{200}^{(22)} m_{101}^{(11)} - m_{000}^{(01)} m_{110}^{(02)} m_{110}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{101}^{(12)} \\
& + m_{000}^{(01)} m_{110}^{(20)} m_{110}^{(22)} - m_{000}^{(01)} m_{110}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{110}^{(20)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(10)} \\
& + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(02)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(20)} - m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(00)} - 2m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(10)} \\
& + m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(01)} m_{101}^{(02)} m_{101}^{(11)} + 2m_{000}^{(01)} m_{101}^{(10)} m_{101}^{(12)} + m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(20)} \\
& - m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(10)} - m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(20)} + m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(00)} - m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(00)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{110}^{(22)} + m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(12)} + m_{000}^{(02)} m_{200}^{(21)} m_{110}^{(21)} - m_{000}^{(02)} m_{200}^{(21)} m_{101}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(01)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(01)} m_{101}^{(12)} + m_{000}^{(02)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(12)} \\
& - 2m_{000}^{(02)} m_{110}^{(20)} m_{110}^{(21)} + 2m_{000}^{(02)} m_{110}^{(20)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(20)} - m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(01)} + m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(00)} \\
& + m_{000}^{(02)} m_{101}^{(01)} m_{101}^{(11)} - m_{000}^{(02)} m_{101}^{(01)} m_{101}^{(11)} - m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(00)} + m_{000}^{(02)} m_{200}^{(10)} m_{020}^{(22)} - m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(12)} \\
& - m_{000}^{(02)} m_{200}^{(20)} m_{011}^{(10)} + m_{000}^{(02)} m_{200}^{(20)} m_{002}^{(11)} - m_{000}^{(02)} m_{200}^{(21)} m_{110}^{(22)} + m_{000}^{(02)} m_{200}^{(21)} m_{101}^{(12)} \\
& + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(02)} - m_{000}^{(02)} m_{200}^{(21)} m_{002}^{(01)} + m_{000}^{(02)} m_{200}^{(22)} m_{110}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(11)} \\
& - m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(02)} + m_{000}^{(02)} m_{200}^{(22)} m_{011}^{(01)} - m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(02)} + m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(01)} \\
& - m_{000}^{(02)} m_{101}^{(00)} m_{020}^{(12)} + m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(21)} - m_{000}^{(02)} m_{101}^{(00)} m_{002}^{(10)} \\
& - m_{000}^{(02)} m_{101}^{(01)} m_{101}^{(21)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(02)} + m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(01)} + m_{000}^{(02)} m_{101}^{(02)} m_{101}^{(11)} \\
& + m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(02)} - m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(02)} m_{200}^{(11)} m_{200}^{(22)} + m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(02)} \\
& - m_{000}^{(02)} m_{200}^{(20)} m_{110}^{(22)} + m_{000}^{(02)} m_{200}^{(20)} m_{101}^{(12)} + m_{000}^{(02)} m_{200}^{(20)} m_{011}^{(20)} - m_{000}^{(02)} m_{200}^{(20)} m_{002}^{(10)} \\
& + m_{000}^{(02)} m_{200}^{(22)} m_{200}^{(02)} - m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(02)} - m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(20)} + m_{000}^{(02)} m_{200}^{(22)} m_{002}^{(00)} \\
& + m_{000}^{(02)} m_{200}^{(22)} m_{110}^{(02)} - m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(01)} + m_{000}^{(02)} m_{200}^{(22)} m_{101}^{(12)} - m_{000}^{(02)} m_{200}^{(22)} m_{011}^{(20)} \\
& - m_{000}^{(02)} m_{110}^{(02)} m_{101}^{(02)} + m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(00)} - m_{000}^{(02)} m_{101}^{(00)} m_{101}^{(12)} - m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(20)} \\
& + m_{000}^{(02)} m_{101}^{(00)} m_{002}^{(10)} + m_{000}^{(02)} m_{101}^{(01)} m_{101}^{(02)} + m_{000}^{(02)} m_{101}^{(01)} m_{101}^{(20)} - m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(00)} \\
& - m_{000}^{(02)} m_{101}^{(02)} m_{101}^{(00)} + m_{000}^{(02)} m_{101}^{(02)} m_{011}^{(00)} + m_{000}^{(02)} m_{200}^{(11)} m_{200}^{(22)} - m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(02)} \\
& + m_{000}^{(02)} m_{200}^{(20)} m_{110}^{(21)} - m_{000}^{(02)} m_{200}^{(20)} m_{101}^{(11)} - m_{000}^{(02)} m_{200}^{(20)} m_{020}^{(20)} + m_{000}^{(02)} m_{200}^{(20)} m_{011}^{(10)} \\
& - m_{000}^{(02)} (m_{200}^{(21)})^2 + m_{000}^{(02)} m_{200}^{(21)} m_{110}^{(20)} + 2m_{000}^{(02)} m_{200}^{(21)} m_{101}^{(01)} - m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(02)} m_{200}^{(22)} m_{110}^{(01)} - m_{000}^{(02)} m_{200}^{(22)} m_{110}^{(10)} + m_{000}^{(02)} m_{200}^{(22)} m_{020}^{(00)} + m_{000}^{(02)} m_{110}^{(01)} m_{101}^{(02)} \\
& + m_{000}^{(02)} m_{110}^{(10)} m_{101}^{(02)} - m_{000}^{(02)} m_{110}^{(20)} m_{101}^{(01)} - m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(00)} + m_{000}^{(02)} m_{101}^{(00)} m_{101}^{(11)} \\
& + m_{000}^{(02)} m_{101}^{(00)} m_{020}^{(20)} - m_{000}^{(02)} m_{101}^{(00)} m_{011}^{(10)} - m_{000}^{(02)} (m_{101}^{(01)})^2 + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(00)} \\
& - m_{000}^{(02)} m_{101}^{(02)} m_{020}^{(00)} - m_{000}^{(02)} m_{200}^{(10)} m_{020}^{(22)} + m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(12)} + m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(21)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(10)} + m_{000}^{(02)} m_{200}^{(11)} m_{110}^{(22)} - m_{000}^{(02)} m_{200}^{(11)} m_{101}^{(21)} - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(02)} \\
& + m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(00)} - m_{000}^{(02)} m_{200}^{(12)} m_{110}^{(12)} + m_{000}^{(02)} m_{200}^{(12)} m_{101}^{(11)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(02)} \\
& - m_{000}^{(02)} m_{200}^{(12)} m_{011}^{(01)} + m_{000}^{(02)} m_{110}^{(00)} m_{020}^{(22)} - m_{000}^{(02)} m_{110}^{(00)} m_{011}^{(21)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(20)} m_{110}^{(00)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(01)} m_{110}^{(22)} + m_{000}^{(20)} m_{110}^{(01)} m_{101}^{(21)} + m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(02)} \\
& - m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(01)} + m_{000}^{(20)} m_{110}^{(02)} m_{110}^{(12)} - m_{000}^{(20)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(02)} \\
& + m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(01)} + m_{000}^{(21)} m_{200}^{(10)} m_{110}^{(22)} - m_{000}^{(21)} m_{200}^{(10)} m_{101}^{(12)} - m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(20)} \\
& + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(10)} - m_{000}^{(21)} m_{200}^{(11)} m_{200}^{(22)} + m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(02)} + m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(20)} \\
& - m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(00)} + m_{000}^{(21)} (m_{200}^{(12)})^2 - 2m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(02)} - m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(10)} \\
& + m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(00)} + m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(01)} - m_{000}^{(21)} m_{110}^{(00)} m_{110}^{(22)} + m_{000}^{(21)} m_{110}^{(00)} m_{101}^{(12)} \\
& + m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(10)} - m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(02)} - m_{000}^{(21)} m_{110}^{(01)} m_{101}^{(20)} \\
& + m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(00)} + m_{000}^{(21)} (m_{110}^{(02)})^2 + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} - m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(10)} m_{110}^{(21)} + m_{000}^{(22)} m_{200}^{(10)} m_{101}^{(11)} + m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(20)} - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(10)} \\
& - m_{000}^{(22)} m_{200}^{(11)} m_{200}^{(12)} + m_{000}^{(22)} m_{200}^{(11)} m_{200}^{(21)} + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(02)} - m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(20)} \\
& - m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(01)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(00)} + m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(01)} + m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(10)} \\
& - m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(00)} - m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(01)} + m_{000}^{(22)} m_{110}^{(00)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{101}^{(11)} \\
& - m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(20)} + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(10)} - m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(02)} + m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(20)} \\
& + m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(01)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(00)} - m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(10)} + m_{000}^{(22)} m_{110}^{(02)} m_{020}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{59}^{(2)} = & -m_{000}^{(00)} m_{110}^{(12)} m_{020}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(12)} + m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(21)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(22)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(12)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(21)} + m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(22)} m_{020}^{(22)} - m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(12)} - m_{000}^{(00)} m_{020}^{(20)} m_{020}^{(22)} + m_{000}^{(00)} m_{020}^{(20)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{020}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{020}^{(20)} m_{002}^{(11)} - m_{000}^{(00)} m_{020}^{(21)} m_{011}^{(02)} + m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(01)} \\
& - m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{020}^{(22)} m_{101}^{(10)} + m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(12)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(11)} \\
& - m_{000}^{(00)} m_{011}^{(10)} m_{011}^{(12)} - m_{000}^{(00)} m_{011}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{011}^{(10)} m_{002}^{(11)} - m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(01)} \\
& + m_{000}^{(01)} m_{200}^{(12)} m_{020}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(12)} - m_{000}^{(01)} m_{200}^{(20)} m_{020}^{(21)} + m_{000}^{(01)} m_{200}^{(20)} m_{011}^{(11)} \\
& - m_{000}^{(01)} m_{110}^{(22)} m_{020}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(12)} + m_{000}^{(01)} m_{110}^{(22)} m_{020}^{(20)} - m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(01)} m_{101}^{(21)} m_{020}^{(21)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(01)} m_{101}^{(10)} m_{020}^{(22)} + m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(12)} \\
& - m_{000}^{(01)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(10)} + m_{000}^{(01)} m_{101}^{(20)} m_{020}^{(21)} - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(11)} \\
& - m_{000}^{(01)} m_{020}^{(20)} m_{011}^{(20)} + m_{000}^{(01)} m_{020}^{(20)} m_{002}^{(10)} - m_{000}^{(01)} m_{020}^{(21)} m_{002}^{(00)} + m_{000}^{(01)} m_{020}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(01)} m_{011}^{(10)} m_{011}^{(20)} - m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(10)} + m_{000}^{(01)} m_{011}^{(11)} m_{002}^{(00)} \\
& - m_{000}^{(02)} m_{200}^{(11)} m_{020}^{(22)} + m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(12)} + m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(21)} - m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(01)} m_{020}^{(22)} - m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(10)} m_{020}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(12)} \\
& - m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(21)} + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(11)} - m_{000}^{(02)} m_{110}^{(21)} m_{020}^{(20)} + m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{101}^{(21)} m_{020}^{(21)} + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(11)} + m_{000}^{(02)} m_{101}^{(11)} m_{020}^{(20)} - m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(10)} \\
& - m_{000}^{(02)} m_{020}^{(00)} m_{020}^{(22)} + m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(12)} + m_{000}^{(02)} (m_{020}^{(20)})^2 - 2m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(10)} \\
& + m_{000}^{(02)} m_{020}^{(21)} m_{011}^{(00)} - m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(02)} (m_{011}^{(10)})^2 + m_{000}^{(02)} m_{110}^{(10)} m_{110}^{(22)} \\
& - m_{000}^{(10)} m_{110}^{(12)} m_{011}^{(02)} + m_{000}^{(10)} m_{110}^{(20)} m_{020}^{(22)} - m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(11)} \\
& + m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(11)} - m_{000}^{(10)} m_{110}^{(21)} m_{110}^{(22)} + m_{000}^{(10)} m_{110}^{(21)} m_{101}^{(21)} + m_{000}^{(10)} m_{110}^{(21)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{110}^{(21)} m_{002}^{(01)} - m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(11)} - m_{000}^{(10)} m_{110}^{(22)} m_{020}^{(20)} + 2m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(01)} \\
& + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(01)} - m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(01)} + m_{000}^{(10)} m_{020}^{(02)} m_{011}^{(02)} - m_{000}^{(10)} m_{020}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(11)} - 2m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(02)} \\
& + m_{000}^{(10)} m_{011}^{(01)} m_{002}^{(01)} - m_{000}^{(11)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(11)} m_{200}^{(12)} m_{011}^{(02)} + m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(21)} \\
& - m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(01)} + m_{000}^{(11)} m_{110}^{(02)} m_{110}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{011}^{(02)} - m_{000}^{(11)} m_{110}^{(20)} m_{110}^{(22)}
\end{aligned}$$

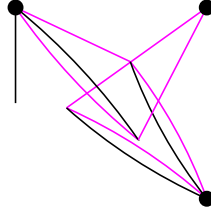
$$\begin{aligned}
& +m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(11)} m_{110}^{(20)} m_{011}^{(20)} - m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(10)} - m_{000}^{(11)} m_{110}^{(21)} m_{101}^{(02)} \\
& - m_{000}^{(11)} m_{110}^{(21)} m_{101}^{(20)} + m_{000}^{(11)} m_{110}^{(21)} m_{002}^{(00)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(01)} \\
& - m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(02)} - m_{000}^{(11)} m_{101}^{(12)} m_{011}^{(00)} + m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(01)} + m_{000}^{(11)} m_{011}^{(00)} m_{011}^{(02)} \\
& - m_{000}^{(11)} m_{011}^{(00)} m_{011}^{(20)} + m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(10)} - m_{000}^{(11)} m_{011}^{(01)} m_{002}^{(00)} + m_{000}^{(12)} m_{200}^{(11)} m_{110}^{(22)} \\
& - m_{000}^{(12)} m_{200}^{(11)} m_{011}^{(02)} - m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(21)} + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(01)} - m_{000}^{(12)} m_{110}^{(01)} m_{110}^{(22)} \\
& + m_{000}^{(12)} m_{110}^{(01)} m_{011}^{(02)} - m_{000}^{(12)} m_{110}^{(10)} m_{110}^{(22)} + m_{000}^{(12)} m_{110}^{(10)} m_{011}^{(02)} + 2m_{000}^{(12)} m_{110}^{(20)} m_{110}^{(21)} \\
& - m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(11)} - m_{000}^{(12)} m_{110}^{(20)} m_{020}^{(20)} - m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(10)} \\
& + m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(01)} - 2m_{000}^{(12)} m_{110}^{(21)} m_{011}^{(00)} + m_{000}^{(12)} m_{110}^{(22)} m_{002}^{(00)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(01)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(02)} - m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(02)} + m_{000}^{(12)} m_{020}^{(00)} m_{011}^{(00)} + m_{000}^{(12)} m_{011}^{(00)} m_{011}^{(01)} \\
& - m_{000}^{(12)} m_{011}^{(00)} m_{011}^{(02)} - m_{000}^{(20)} m_{110}^{(10)} m_{020}^{(22)} + m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(12)} + m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(21)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(11)} m_{110}^{(22)} - m_{000}^{(20)} m_{110}^{(11)} m_{101}^{(21)} - m_{000}^{(20)} m_{110}^{(11)} m_{011}^{(02)} \\
& + m_{000}^{(20)} m_{110}^{(11)} m_{002}^{(01)} - m_{000}^{(20)} (m_{110}^{(12)})^2 + m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(11)} + 2m_{000}^{(20)} m_{110}^{(12)} m_{020}^{(02)} \\
& - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(01)} - m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(02)} + m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(20)} m_{020}^{(00)} m_{020}^{(22)} - m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(12)} - m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(11)} \\
& + m_{000}^{(20)} m_{020}^{(01)} m_{011}^{(02)} - m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(01)} - m_{000}^{(20)} (m_{020}^{(02)})^2 + m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(01)} \\
& + m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(12)} - m_{000}^{(21)} m_{200}^{(12)} m_{020}^{(02)} - m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(01)} \\
& - m_{000}^{(21)} m_{110}^{(02)} m_{110}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{020}^{(02)} + m_{000}^{(21)} m_{110}^{(10)} m_{110}^{(22)} - m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(12)} \\
& - m_{000}^{(21)} m_{110}^{(10)} m_{011}^{(20)} + m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(10)} + m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(20)} \\
& - m_{000}^{(21)} m_{110}^{(11)} m_{002}^{(00)} - m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(10)} + m_{000}^{(21)} m_{110}^{(12)} m_{011}^{(00)} - m_{000}^{(21)} m_{110}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(21)} m_{101}^{(02)} m_{020}^{(01)} + m_{000}^{(21)} m_{101}^{(10)} m_{020}^{(02)} + m_{000}^{(21)} m_{101}^{(12)} m_{020}^{(00)} - m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(01)} \\
& + m_{000}^{(21)} m_{020}^{(00)} m_{011}^{(20)} - m_{000}^{(21)} m_{020}^{(00)} m_{002}^{(10)} + m_{000}^{(21)} m_{020}^{(01)} m_{002}^{(00)} - m_{000}^{(21)} m_{020}^{(02)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(12)} + m_{000}^{(22)} m_{200}^{(11)} m_{020}^{(02)} + m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(11)} - m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(12)} m_{110}^{(12)} - m_{000}^{(22)} m_{110}^{(12)} m_{020}^{(02)} + m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(12)} - m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(21)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(10)} m_{020}^{(02)} + m_{000}^{(22)} m_{110}^{(10)} m_{020}^{(20)} - m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(10)} \\
& - m_{000}^{(22)} m_{110}^{(11)} m_{110}^{(20)} - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(00)} - m_{000}^{(22)} m_{110}^{(12)} m_{020}^{(00)} \\
& + m_{000}^{(22)} m_{110}^{(11)} m_{020}^{(01)} + m_{000}^{(22)} m_{110}^{(11)} m_{020}^{(00)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(01)} - m_{000}^{(22)} m_{101}^{(11)} m_{020}^{(00)} \\
& + m_{000}^{(22)} m_{020}^{(00)} m_{020}^{(02)} - m_{000}^{(22)} m_{020}^{(00)} m_{020}^{(20)} + m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(10)} - m_{000}^{(22)} m_{020}^{(01)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{59}^{(3)} = & -m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(12)} + m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(22)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(12)} - m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(21)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(22)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(12)} - m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(20)} + m_{000}^{(00)} m_{020}^{(22)} m_{002}^{(10)} \\
& - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(12)} - m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(21)} + m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{011}^{(12)} m_{011}^{(20)} - m_{000}^{(00)} m_{011}^{(12)} m_{002}^{(10)} + m_{000}^{(00)} m_{011}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{011}^{(20)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{011}^{(21)} m_{002}^{(01)} - m_{000}^{(00)} m_{011}^{(21)} m_{002}^{(10)} - m_{000}^{(00)} m_{002}^{(01)} m_{002}^{(11)} + m_{000}^{(00)} m_{002}^{(10)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(12)} - m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(21)} + m_{000}^{(01)} m_{200}^{(22)} m_{002}^{(11)} \\
& - m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(12)} + m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(20)} - m_{000}^{(01)} m_{110}^{(22)} m_{002}^{(10)} \\
& + m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(21)} - m_{000}^{(01)} m_{101}^{(02)} m_{002}^{(11)} - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(22)} + m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(12)} \\
& - m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(20)} + m_{000}^{(01)} m_{101}^{(12)} m_{002}^{(10)} + m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(21)} - m_{000}^{(01)} m_{101}^{(20)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(22)} - m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(12)} - m_{000}^{(01)} (m_{011}^{(20)})^2 + 2m_{000}^{(01)} m_{011}^{(20)} m_{002}^{(10)} \\
& - m_{000}^{(01)} m_{011}^{(21)} m_{002}^{(00)} + m_{000}^{(01)} m_{002}^{(00)} m_{002}^{(11)} - m_{000}^{(01)} (m_{002}^{(10)})^2 - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(21)} - m_{000}^{(02)} m_{200}^{(21)} m_{002}^{(11)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} \\
& -m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(12)} - m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(21)} \\
& +m_{000}^{(02)} m_{110}^{(20)} m_{002}^{(11)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(20)} + m_{000}^{(02)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(21)} \\
& +m_{000}^{(02)} m_{101}^{(01)} m_{002}^{(11)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(02)} m_{101}^{(11)} m_{002}^{(10)} - m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(22)} \\
& +m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(20)} - m_{000}^{(02)} m_{020}^{(20)} m_{002}^{(10)} + m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(21)} \\
& -m_{000}^{(02)} m_{011}^{(00)} m_{002}^{(11)} - m_{000}^{(02)} m_{011}^{(10)} m_{011}^{(20)} + m_{000}^{(02)} m_{011}^{(10)} m_{002}^{(10)} + m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(22)} \\
& -m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(02)} - m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(21)} + m_{000}^{(10)} m_{110}^{(22)} m_{002}^{(01)} - m_{000}^{(10)} m_{101}^{(11)} m_{101}^{(22)} \\
& +m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(02)} + m_{000}^{(10)} m_{101}^{(20)} m_{020}^{(22)} - m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(21)} \\
& +m_{000}^{(10)} m_{101}^{(20)} m_{002}^{(11)} + m_{000}^{(10)} (m_{101}^{(21)})^2 + m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(02)} - 2m_{000}^{(10)} m_{101}^{(21)} m_{002}^{(01)} \\
& -m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(02)} + m_{000}^{(10)} m_{101}^{(22)} m_{011}^{(01)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(02)} - m_{000}^{(10)} m_{020}^{(22)} m_{002}^{(00)} \\
& -m_{000}^{(10)} m_{011}^{(01)} m_{002}^{(02)} - m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(01)} + m_{000}^{(10)} m_{011}^{(12)} m_{002}^{(00)} + m_{000}^{(10)} m_{011}^{(21)} m_{002}^{(00)} \\
& -m_{000}^{(10)} m_{002}^{(00)} m_{002}^{(11)} + m_{000}^{(10)} (m_{002}^{(01)})^2 - m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(22)} + m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(02)} \\
& +m_{000}^{(11)} m_{200}^{(21)} m_{101}^{(21)} - m_{000}^{(11)} m_{200}^{(22)} m_{002}^{(01)} + m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(02)} \\
& -m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(20)} + m_{000}^{(11)} m_{110}^{(22)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(21)} + m_{000}^{(11)} m_{101}^{(02)} m_{002}^{(01)} \\
& +m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(22)} - m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(02)} + m_{000}^{(11)} m_{101}^{(12)} m_{101}^{(20)} - m_{000}^{(11)} m_{101}^{(12)} m_{002}^{(00)} \\
& -m_{000}^{(11)} m_{101}^{(20)} m_{101}^{(21)} + m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(20)} + m_{000}^{(11)} m_{101}^{(20)} m_{002}^{(01)} - m_{000}^{(11)} m_{101}^{(20)} m_{002}^{(10)} \\
& +m_{000}^{(11)} m_{101}^{(21)} m_{002}^{(00)} - m_{000}^{(11)} m_{101}^{(22)} m_{011}^{(00)} + m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(02)} - m_{000}^{(11)} m_{011}^{(20)} m_{002}^{(00)} \\
& -m_{000}^{(11)} m_{002}^{(00)} m_{002}^{(01)} + m_{000}^{(11)} m_{002}^{(00)} m_{002}^{(10)} + m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(02)} \\
& -m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(21)} + m_{000}^{(12)} m_{200}^{(21)} m_{002}^{(01)} - m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(02)} \\
& -m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(22)} + m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(02)} + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(21)} - m_{000}^{(12)} m_{110}^{(20)} m_{002}^{(01)} \\
& +m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(20)} - m_{000}^{(12)} m_{110}^{(21)} m_{002}^{(00)} + m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(21)} - m_{000}^{(12)} m_{101}^{(01)} m_{002}^{(01)} \\
& -m_{000}^{(12)} m_{101}^{(11)} m_{101}^{(20)} + m_{000}^{(12)} m_{101}^{(11)} m_{002}^{(00)} - m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(20)} + m_{000}^{(12)} m_{101}^{(20)} m_{011}^{(10)} \\
& -m_{000}^{(12)} m_{101}^{(21)} m_{011}^{(00)} + m_{000}^{(12)} m_{101}^{(22)} m_{002}^{(00)} - m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(02)} + m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(02)} \\
& +m_{000}^{(12)} m_{011}^{(00)} m_{002}^{(01)} - m_{000}^{(12)} m_{011}^{(10)} m_{002}^{(00)} - m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(21)} + m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(02)} \\
& +m_{000}^{(20)} m_{110}^{(22)} m_{101}^{(11)} - m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(01)} - m_{000}^{(20)} m_{101}^{(10)} m_{020}^{(22)} + m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(12)} \\
& +m_{000}^{(20)} m_{101}^{(10)} m_{011}^{(21)} - m_{000}^{(20)} m_{101}^{(11)} m_{002}^{(02)} + m_{000}^{(20)} m_{101}^{(11)} m_{101}^{(12)} - m_{000}^{(20)} m_{101}^{(11)} m_{101}^{(21)} \\
& -2m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(20)} m_{101}^{(11)} m_{002}^{(01)} + m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(02)} - m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} \\
& +m_{000}^{(20)} m_{101}^{(21)} m_{011}^{(01)} - m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(02)} + m_{000}^{(20)} m_{020}^{(22)} m_{011}^{(00)} - m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(12)} \\
& -m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(20)} m_{011}^{(00)} m_{002}^{(11)} + 2m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(02)} - m_{000}^{(20)} m_{011}^{(01)} m_{002}^{(02)} \\
& +m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(12)} - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(02)} - m_{000}^{(21)} m_{200}^{(22)} m_{101}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{011}^{(01)} \\
& -m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(12)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(02)} + m_{000}^{(21)} m_{110}^{(22)} m_{101}^{(10)} - m_{000}^{(21)} m_{110}^{(22)} m_{011}^{(00)} \\
& +m_{000}^{(21)} m_{101}^{(02)} m_{101}^{(11)} - m_{000}^{(21)} m_{101}^{(02)} m_{011}^{(01)} - 2m_{000}^{(21)} m_{101}^{(10)} m_{101}^{(12)} + m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} \\
& -m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(20)} + m_{000}^{(21)} m_{101}^{(10)} m_{002}^{(10)} + m_{000}^{(21)} m_{101}^{(11)} m_{101}^{(20)} - m_{000}^{(21)} m_{101}^{(11)} m_{002}^{(00)} \\
& +2m_{000}^{(21)} m_{101}^{(12)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(20)} m_{011}^{(01)} - m_{000}^{(21)} m_{011}^{(00)} m_{011}^{(02)} + m_{000}^{(21)} m_{011}^{(00)} m_{011}^{(02)} \\
& -m_{000}^{(21)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(21)} m_{011}^{(01)} m_{002}^{(00)} - m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(12)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(02)} \\
& +m_{000}^{(22)} m_{200}^{(21)} m_{101}^{(11)} - m_{000}^{(22)} m_{200}^{(21)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(12)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(02)} \\
& +m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(12)} - m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(02)} - m_{000}^{(22)} m_{110}^{(20)} m_{101}^{(11)} + m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} \\
& -m_{000}^{(22)} m_{110}^{(21)} m_{101}^{(10)} + m_{000}^{(22)} m_{110}^{(21)} m_{011}^{(00)} - m_{000}^{(22)} m_{101}^{(01)} m_{101}^{(11)} + m_{000}^{(22)} m_{101}^{(01)} m_{011}^{(01)} \\
& +m_{000}^{(22)} m_{101}^{(10)} m_{101}^{(11)} + m_{000}^{(22)} m_{101}^{(10)} m_{020}^{(20)} - m_{000}^{(22)} m_{101}^{(10)} m_{011}^{(10)} - m_{000}^{(22)} m_{101}^{(12)} m_{020}^{(00)} \\
& +m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(02)} - m_{000}^{(22)} m_{020}^{(20)} m_{011}^{(00)} - m_{000}^{(22)} m_{011}^{(00)} m_{011}^{(01)} + m_{000}^{(22)} m_{011}^{(00)} m_{011}^{(01)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
	1	V3	A0
V2	3	3	A0



$$\begin{aligned}
 P_{60}^{(1)} = & -m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(10)} - m_{000}^{(00)} m_{110}^{(20)} m_{020}^{(22)} + m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(12)} \\
 & + m_{000}^{(00)} m_{110}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(20)} m_{002}^{(11)} + m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(20)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(10)} \\
 & + m_{000}^{(00)} m_{101}^{(10)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(12)} - m_{000}^{(00)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(10)} m_{002}^{(11)} \\
 & + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(10)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(20)} + m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(10)} \\
 & + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(20)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(10)} - m_{000}^{(00)} m_{020}^{(20)} m_{011}^{(02)} + m_{000}^{(00)} m_{020}^{(20)} m_{002}^{(01)} \\
 & - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(20)} + m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(10)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(10)} - m_{000}^{(00)} m_{011}^{(02)} m_{002}^{(01)} \\
 & + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(20)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(10)} - m_{000}^{(01)} m_{200}^{(22)} m_{020}^{(20)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(10)} \\
 & - m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(10)} + m_{000}^{(01)} m_{110}^{(20)} m_{110}^{(22)} - m_{000}^{(01)} m_{110}^{(20)} m_{101}^{(12)} \\
 & - m_{000}^{(01)} m_{110}^{(20)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(20)} m_{002}^{(10)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(10)} + m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(20)} \\
 & - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(10)} + m_{000}^{(01)} m_{101}^{(10)} m_{101}^{(12)} + m_{000}^{(01)} m_{101}^{(20)} m_{020}^{(20)} - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(10)} \\
 & - m_{000}^{(01)} m_{020}^{(01)} m_{002}^{(20)} + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(20)} - m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(01)} m_{011}^{(10)} m_{002}^{(00)} \\
 & - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(20)} + m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(10)} + m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(20)} - m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(10)} \\
 & + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(20)} - m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(10)} \\
 & - m_{000}^{(02)} m_{110}^{(20)} m_{110}^{(21)} + m_{000}^{(02)} m_{110}^{(20)} m_{101}^{(11)} + m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(10)} - m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(20)} \\
 & + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(10)} - m_{000}^{(02)} m_{101}^{(01)} m_{101}^{(10)} - m_{000}^{(02)} m_{101}^{(20)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(20)} m_{011}^{(10)} \\
 & - m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(20)} + m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(10)} + m_{000}^{(02)} m_{020}^{(20)} m_{011}^{(00)} - m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(10)} \\
 & + m_{000}^{(10)} m_{200}^{(20)} m_{020}^{(22)} - m_{000}^{(10)} m_{200}^{(20)} m_{011}^{(12)} - m_{000}^{(10)} m_{200}^{(20)} m_{011}^{(21)} + m_{000}^{(10)} m_{200}^{(20)} m_{002}^{(11)} \\
 & + m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(00)} - m_{000}^{(10)} m_{110}^{(20)} m_{110}^{(22)} + m_{000}^{(10)} m_{110}^{(20)} m_{101}^{(21)} \\
 & + m_{000}^{(10)} m_{110}^{(20)} m_{011}^{(02)} - m_{000}^{(10)} m_{110}^{(20)} m_{002}^{(01)} + m_{000}^{(10)} m_{110}^{(22)} m_{002}^{(00)} - m_{000}^{(10)} m_{101}^{(00)} m_{020}^{(22)} \\
 & + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(12)} + m_{000}^{(10)} m_{101}^{(00)} m_{011}^{(21)} - m_{000}^{(10)} m_{101}^{(00)} m_{002}^{(11)} - m_{000}^{(10)} m_{101}^{(11)} m_{101}^{(20)} \\
 & + m_{000}^{(10)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(10)} m_{101}^{(20)} m_{002}^{(02)} + m_{000}^{(10)} m_{101}^{(20)} m_{011}^{(01)} - m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(00)}
 \end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(00)} - m_{000}^{(10)} m_{011}^{(00)} m_{011}^{(02)} + m_{000}^{(10)} m_{011}^{(00)} m_{002}^{(01)} - m_{000}^{(10)} m_{011}^{(01)} m_{002}^{(00)} \\
& - m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(20)} + m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(00)} - m_{000}^{(11)} m_{200}^{(20)} m_{110}^{(22)} + m_{000}^{(11)} m_{200}^{(20)} m_{101}^{(12)} \\
& + m_{000}^{(11)} m_{200}^{(20)} m_{011}^{(20)} - m_{000}^{(11)} m_{200}^{(20)} m_{002}^{(10)} + m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(20)} - m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(20)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(00)} - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(02)} - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(20)} \\
& + m_{000}^{(11)} m_{110}^{(20)} m_{002}^{(00)} + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(00)} - m_{000}^{(11)} m_{101}^{(00)} m_{101}^{(12)} - m_{000}^{(11)} m_{101}^{(00)} m_{011}^{(20)} \\
& + m_{000}^{(11)} m_{101}^{(00)} m_{002}^{(10)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(00)} + m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(20)} - m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(00)} \\
& + m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(20)} - m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(00)} + m_{000}^{(12)} m_{200}^{(20)} m_{110}^{(21)} - m_{000}^{(12)} m_{200}^{(20)} m_{101}^{(12)} \\
& - m_{000}^{(12)} m_{200}^{(20)} m_{020}^{(20)} + m_{000}^{(12)} m_{200}^{(20)} m_{011}^{(10)} - m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(20)} + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(20)} + m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(00)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(20)} + m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(00)} \\
& + m_{000}^{(12)} (m_{110}^{(20)})^2 + m_{000}^{(12)} m_{110}^{(20)} m_{101}^{(01)} - 2m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(00)} - m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(00)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(00)} m_{020}^{(20)} - m_{000}^{(12)} m_{101}^{(00)} m_{011}^{(10)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(20)} m_{020}^{(00)} - m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(00)} + m_{000}^{(12)} (m_{011}^{(00)})^2 - m_{000}^{(12)} m_{200}^{(10)} m_{020}^{(22)} \\
& + m_{000}^{(20)} m_{200}^{(10)} m_{011}^{(12)} + m_{000}^{(20)} m_{200}^{(10)} m_{011}^{(21)} - m_{000}^{(20)} m_{200}^{(10)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(00)} m_{020}^{(22)} \\
& - m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(12)} - m_{000}^{(20)} m_{110}^{(00)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(00)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(10)} m_{110}^{(22)} \\
& - m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(21)} - m_{000}^{(20)} m_{110}^{(10)} m_{011}^{(02)} + m_{000}^{(20)} m_{110}^{(10)} m_{002}^{(01)} - m_{000}^{(20)} m_{110}^{(10)} m_{101}^{(02)} \\
& + m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(00)} - m_{000}^{(20)} m_{110}^{(22)} m_{002}^{(00)} + m_{000}^{(20)} m_{101}^{(10)} m_{101}^{(11)} + m_{000}^{(20)} m_{101}^{(10)} m_{002}^{(02)} \\
& - m_{000}^{(20)} m_{101}^{(01)} m_{011}^{(20)} - m_{000}^{(20)} m_{101}^{(11)} m_{002}^{(00)} + m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(00)} + m_{000}^{(20)} m_{020}^{(00)} m_{011}^{(02)} \\
& - m_{000}^{(20)} m_{020}^{(00)} m_{002}^{(01)} - m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(00)} + m_{000}^{(20)} m_{011}^{(00)} m_{011}^{(01)} + m_{000}^{(20)} m_{200}^{(10)} m_{110}^{(22)} \\
& - m_{000}^{(21)} m_{200}^{(10)} m_{101}^{(12)} - m_{000}^{(21)} m_{200}^{(10)} m_{011}^{(20)} + m_{000}^{(21)} m_{200}^{(10)} m_{002}^{(10)} + m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(10)} \\
& - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(00)} - m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(10)} + m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(00)} - m_{000}^{(21)} m_{110}^{(00)} m_{110}^{(22)} \\
& + m_{000}^{(21)} m_{110}^{(00)} m_{101}^{(12)} + m_{000}^{(21)} m_{110}^{(00)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(00)} m_{002}^{(10)} - m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(10)} \\
& + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(00)} + m_{000}^{(21)} m_{110}^{(10)} m_{011}^{(02)} + m_{000}^{(21)} m_{110}^{(10)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(10)} m_{002}^{(00)} \\
& - m_{000}^{(21)} m_{101}^{(02)} m_{020}^{(00)} - m_{000}^{(21)} (m_{101}^{(10)})^2 + 2m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(00)} \\
& + m_{000}^{(21)} m_{020}^{(00)} m_{002}^{(00)} - m_{000}^{(21)} (m_{011}^{(00)})^2 - m_{000}^{(22)} m_{200}^{(10)} m_{110}^{(21)} + m_{000}^{(22)} m_{200}^{(10)} m_{101}^{(11)} \\
& + m_{000}^{(22)} m_{200}^{(10)} m_{020}^{(20)} - m_{000}^{(22)} m_{200}^{(10)} m_{011}^{(10)} - m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(10)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(00)} \\
& + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(20)} - m_{000}^{(22)} m_{200}^{(21)} m_{002}^{(00)} + m_{000}^{(22)} m_{110}^{(00)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(00)} m_{101}^{(11)} \\
& - m_{000}^{(22)} m_{110}^{(00)} m_{020}^{(20)} + m_{000}^{(22)} m_{110}^{(00)} m_{011}^{(10)} + m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(10)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(00)} \\
& - m_{000}^{(22)} m_{110}^{(10)} m_{110}^{(20)} - m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(01)} + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(10)} + m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(00)} \\
& + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(00)} - m_{000}^{(22)} m_{101}^{(10)} m_{002}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{60}^{(2)} = & -m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(11)} - m_{000}^{(00)} m_{110}^{(21)} m_{020}^{(22)} + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{110}^{(21)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(21)} m_{002}^{(11)} + m_{000}^{(00)} m_{110}^{(22)} m_{020}^{(21)} - m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(12)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(21)} + m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(11)} \\
& + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(21)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(11)} - m_{000}^{(00)} m_{020}^{(21)} m_{011}^{(02)} + m_{000}^{(00)} m_{020}^{(21)} m_{002}^{(01)} \\
& - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(21)} + m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(11)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(11)} - m_{000}^{(00)} m_{011}^{(11)} m_{002}^{(01)} \\
& + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(11)} - m_{000}^{(01)} m_{200}^{(22)} m_{020}^{(21)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(11)} \\
& - m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(11)} + m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(22)} - m_{000}^{(01)} m_{110}^{(21)} m_{101}^{(12)} \\
& - m_{000}^{(01)} m_{110}^{(21)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(21)} \\
& - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(11)} - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(21)} + m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(11)} + m_{000}^{(01)} m_{101}^{(11)} m_{101}^{(12)} \\
& + m_{000}^{(01)} m_{101}^{(11)} m_{011}^{(20)} - m_{000}^{(01)} m_{101}^{(11)} m_{002}^{(10)} + m_{000}^{(01)} m_{101}^{(20)} m_{020}^{(21)} - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(11)}
\end{aligned}$$

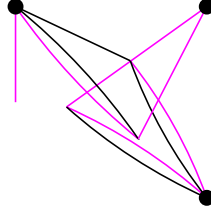
$$\begin{aligned}
& -m_{000}^{(01)} m_{020}^{(21)} m_{002}^{(00)} + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(21)} - m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(11)} + m_{000}^{(01)} m_{011}^{(11)} m_{002}^{(00)} \\
& -m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(21)} + m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(11)} + m_{000}^{(02)} m_{200}^{(21)} m_{020}^{(21)} - m_{000}^{(02)} m_{200}^{(21)} m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(21)} - m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(11)} + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(21)} - m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(11)} \\
& -m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(21)} + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(11)} - m_{000}^{(02)} (m_{110}^{(21)})^2 + 2m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(21)} m_{020}^{(20)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(21)} + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(11)} \\
& -m_{000}^{(02)} (m_{101}^{(11)})^2 - m_{000}^{(02)} m_{101}^{(11)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(10)} - m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(21)} \\
& + m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(11)} + m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(00)} - m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(11)} + m_{000}^{(02)} m_{200}^{(10)} m_{020}^{(21)} \\
& -m_{000}^{(10)} m_{200}^{(21)} m_{011}^{(12)} - m_{000}^{(10)} m_{200}^{(21)} m_{011}^{(21)} + m_{000}^{(10)} m_{200}^{(21)} m_{002}^{(11)} + m_{000}^{(10)} m_{110}^{(12)} m_{101}^{(21)} \\
& -m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(01)} - m_{000}^{(10)} m_{110}^{(21)} m_{110}^{(22)} + m_{000}^{(10)} m_{110}^{(21)} m_{101}^{(21)} + m_{000}^{(10)} m_{110}^{(21)} m_{011}^{(02)} \\
& -m_{000}^{(10)} m_{110}^{(21)} m_{002}^{(01)} + m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(01)} - m_{000}^{(10)} m_{101}^{(01)} m_{020}^{(20)} + m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(11)} \\
& + m_{000}^{(10)} m_{101}^{(01)} m_{011}^{(21)} - m_{000}^{(10)} m_{101}^{(01)} m_{002}^{(11)} - m_{000}^{(10)} m_{101}^{(11)} m_{101}^{(21)} + m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(01)} \\
& -m_{000}^{(10)} m_{101}^{(21)} m_{020}^{(02)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(01)} - m_{000}^{(10)} m_{011}^{(01)} m_{011}^{(02)} - m_{000}^{(10)} m_{200}^{(11)} m_{101}^{(21)} \\
& + m_{000}^{(11)} m_{200}^{(01)} m_{002}^{(11)} - m_{000}^{(11)} m_{200}^{(21)} m_{110}^{(22)} + m_{000}^{(11)} m_{200}^{(21)} m_{101}^{(12)} + m_{000}^{(11)} m_{200}^{(21)} m_{011}^{(20)} \\
& -m_{000}^{(11)} m_{200}^{(21)} m_{002}^{(10)} + m_{000}^{(11)} m_{200}^{(22)} m_{110}^{(21)} - m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(01)} + m_{000}^{(11)} m_{110}^{(02)} m_{101}^{(21)} \\
& -m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(01)} - m_{000}^{(11)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(11)} m_{110}^{(21)} m_{101}^{(20)} + m_{000}^{(11)} m_{110}^{(21)} m_{002}^{(00)} \\
& + m_{000}^{(11)} m_{110}^{(22)} m_{101}^{(01)} - m_{000}^{(11)} m_{101}^{(01)} m_{101}^{(12)} - m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(20)} + m_{000}^{(11)} m_{101}^{(01)} m_{002}^{(10)} \\
& + m_{000}^{(11)} m_{101}^{(01)} m_{011}^{(11)} + m_{000}^{(11)} m_{101}^{(10)} m_{101}^{(21)} - m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(01)} + m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(01)} \\
& -m_{000}^{(11)} m_{101}^{(21)} m_{011}^{(00)} + m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(01)} - m_{000}^{(11)} m_{011}^{(01)} m_{002}^{(11)} + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(21)} \\
& -m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(01)} - m_{000}^{(12)} m_{200}^{(21)} m_{101}^{(11)} - m_{000}^{(12)} m_{200}^{(21)} m_{020}^{(20)} + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(01)} \\
& + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(10)} - m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(21)} + m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(11)} - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(21)} \\
& + m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(10)} + m_{000}^{(12)} m_{110}^{(20)} m_{110}^{(21)} - m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(01)} - m_{000}^{(12)} m_{110}^{(21)} m_{002}^{(00)} \\
& + m_{000}^{(12)} m_{101}^{(01)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(01)} m_{020}^{(20)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(01)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(10)} \\
& + m_{000}^{(12)} m_{101}^{(21)} m_{020}^{(00)} - m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(01)} + m_{000}^{(12)} m_{011}^{(00)} m_{011}^{(01)} - m_{000}^{(12)} m_{200}^{(11)} m_{020}^{(22)} \\
& + m_{000}^{(20)} m_{200}^{(11)} m_{011}^{(12)} + m_{000}^{(20)} m_{200}^{(11)} m_{011}^{(21)} - m_{000}^{(20)} m_{200}^{(11)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(01)} m_{020}^{(22)} \\
& -m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(12)} - m_{000}^{(20)} m_{110}^{(01)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(01)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(11)} m_{110}^{(22)} \\
& -m_{000}^{(20)} m_{110}^{(21)} m_{101}^{(02)} - m_{000}^{(20)} m_{110}^{(21)} m_{011}^{(02)} + m_{000}^{(20)} m_{110}^{(21)} m_{002}^{(11)} - m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(11)} \\
& + m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(01)} - m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(01)} + m_{000}^{(20)} (m_{101}^{(11)})^2 + m_{000}^{(20)} m_{101}^{(11)} m_{020}^{(02)} \\
& -2m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(01)} + m_{000}^{(20)} m_{020}^{(01)} m_{011}^{(02)} - m_{000}^{(20)} m_{020}^{(01)} m_{002}^{(01)} \\
& -m_{000}^{(20)} m_{020}^{(02)} m_{011}^{(01)} + m_{000}^{(20)} (m_{011}^{(01)})^2 + m_{000}^{(21)} m_{200}^{(11)} m_{110}^{(22)} - m_{000}^{(21)} m_{200}^{(11)} m_{101}^{(12)} \\
& -m_{000}^{(21)} m_{200}^{(11)} m_{011}^{(20)} + m_{000}^{(21)} m_{200}^{(11)} m_{002}^{(10)} + m_{000}^{(21)} m_{200}^{(12)} m_{101}^{(11)} - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(01)} \\
& -m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(11)} + m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(01)} - m_{000}^{(21)} m_{110}^{(01)} m_{110}^{(10)} + m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(12)} \\
& + m_{000}^{(21)} m_{110}^{(01)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(01)} m_{002}^{(10)} - m_{000}^{(21)} m_{110}^{(02)} m_{101}^{(11)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(01)} \\
& + m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(02)} + m_{000}^{(21)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(11)} m_{002}^{(00)} - m_{000}^{(21)} m_{101}^{(02)} m_{020}^{(01)} \\
& -m_{000}^{(21)} m_{101}^{(11)} m_{101}^{(01)} + m_{000}^{(21)} m_{101}^{(11)} m_{011}^{(01)} + m_{000}^{(21)} m_{101}^{(11)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(01)} \\
& + m_{000}^{(21)} m_{020}^{(01)} m_{002}^{(11)} - m_{000}^{(21)} m_{011}^{(00)} m_{011}^{(01)} - m_{000}^{(21)} m_{200}^{(11)} m_{110}^{(21)} + m_{000}^{(21)} m_{200}^{(11)} m_{020}^{(20)} \\
& + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(01)} - m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(10)} + m_{000}^{(22)} m_{200}^{(11)} m_{110}^{(21)} - m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(01)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(01)} m_{020}^{(20)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(01)} + m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(01)} - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(20)} - m_{000}^{(22)} m_{110}^{(11)} m_{101}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(11)} m_{011}^{(00)} + m_{000}^{(22)} m_{110}^{(20)} m_{011}^{(01)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(01)} - m_{000}^{(22)} m_{101}^{(11)} m_{020}^{(00)} \\
& + m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(01)} - m_{000}^{(22)} m_{020}^{(01)} m_{011}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{60}^{(3)} = & -m_{000}^{(00)} m_{110}^{(12)} m_{011}^{(22)} + m_{000}^{(00)} m_{110}^{(12)} m_{002}^{(12)} + m_{000}^{(00)} m_{110}^{(22)} m_{011}^{(21)} - m_{000}^{(00)} m_{110}^{(22)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{101}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{101}^{(11)} m_{002}^{(12)} + m_{000}^{(00)} m_{101}^{(12)} m_{020}^{(22)} - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(12)} \\
& - m_{000}^{(00)} m_{101}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{101}^{(12)} m_{002}^{(11)} - m_{000}^{(00)} m_{101}^{(21)} m_{020}^{(22)} + m_{000}^{(00)} m_{101}^{(21)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{020}^{(02)} m_{011}^{(22)} - m_{000}^{(00)} m_{020}^{(02)} m_{002}^{(12)} - m_{000}^{(00)} m_{020}^{(22)} m_{011}^{(02)} + m_{000}^{(00)} m_{020}^{(22)} m_{002}^{(01)} \\
& - m_{000}^{(00)} m_{011}^{(01)} m_{011}^{(22)} + m_{000}^{(00)} m_{011}^{(01)} m_{002}^{(12)} + m_{000}^{(00)} m_{011}^{(02)} m_{011}^{(12)} - m_{000}^{(00)} m_{011}^{(12)} m_{002}^{(01)} \\
& + m_{000}^{(01)} m_{200}^{(12)} m_{011}^{(22)} - m_{000}^{(01)} m_{200}^{(12)} m_{002}^{(12)} - m_{000}^{(01)} m_{200}^{(22)} m_{020}^{(22)} + m_{000}^{(01)} m_{200}^{(22)} m_{011}^{(12)} \\
& - m_{000}^{(01)} m_{110}^{(02)} m_{011}^{(22)} + m_{000}^{(01)} m_{110}^{(02)} m_{002}^{(12)} + m_{000}^{(01)} (m_{110}^{(22)})^2 - 2m_{000}^{(01)} m_{110}^{(22)} m_{101}^{(12)} \\
& - m_{000}^{(01)} m_{110}^{(22)} m_{011}^{(20)} + m_{000}^{(01)} m_{110}^{(22)} m_{002}^{(10)} + m_{000}^{(01)} m_{101}^{(02)} m_{020}^{(22)} - m_{000}^{(01)} m_{101}^{(02)} m_{011}^{(12)} \\
& - m_{000}^{(01)} m_{101}^{(10)} m_{011}^{(22)} + m_{000}^{(01)} m_{101}^{(10)} m_{002}^{(12)} + m_{000}^{(01)} (m_{101}^{(12)})^2 + m_{000}^{(01)} m_{101}^{(12)} m_{011}^{(20)} \\
& - m_{000}^{(01)} m_{101}^{(12)} m_{002}^{(10)} + m_{000}^{(01)} m_{101}^{(20)} m_{020}^{(22)} - m_{000}^{(01)} m_{101}^{(20)} m_{011}^{(12)} - m_{000}^{(01)} m_{020}^{(22)} m_{002}^{(02)} \\
& + m_{000}^{(01)} m_{011}^{(00)} m_{011}^{(22)} - m_{000}^{(01)} m_{011}^{(00)} m_{002}^{(12)} + m_{000}^{(01)} m_{011}^{(12)} m_{002}^{(00)} - m_{000}^{(02)} m_{200}^{(11)} m_{011}^{(22)} \\
& + m_{000}^{(02)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(02)} m_{200}^{(10)} m_{020}^{(22)} - m_{000}^{(02)} m_{200}^{(10)} m_{011}^{(12)} + m_{000}^{(02)} m_{110}^{(01)} m_{011}^{(22)} \\
& - m_{000}^{(02)} m_{110}^{(01)} m_{002}^{(12)} + m_{000}^{(02)} m_{110}^{(10)} m_{011}^{(22)} - m_{000}^{(02)} m_{110}^{(10)} m_{002}^{(12)} - m_{000}^{(02)} m_{110}^{(20)} m_{020}^{(22)} \\
& + m_{000}^{(02)} m_{110}^{(20)} m_{011}^{(12)} - m_{000}^{(02)} m_{110}^{(21)} m_{011}^{(22)} + m_{000}^{(02)} m_{110}^{(21)} m_{101}^{(12)} + m_{000}^{(02)} m_{110}^{(22)} m_{101}^{(11)} \\
& + m_{000}^{(02)} m_{110}^{(22)} m_{020}^{(20)} - m_{000}^{(02)} m_{110}^{(22)} m_{011}^{(10)} - m_{000}^{(02)} m_{101}^{(01)} m_{020}^{(22)} + m_{000}^{(02)} m_{101}^{(01)} m_{011}^{(12)} \\
& - m_{000}^{(02)} m_{101}^{(11)} m_{011}^{(12)} - m_{000}^{(02)} m_{101}^{(12)} m_{020}^{(20)} + m_{000}^{(02)} m_{101}^{(12)} m_{011}^{(10)} - m_{000}^{(02)} m_{020}^{(00)} m_{011}^{(22)} \\
& + m_{000}^{(02)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(02)} m_{020}^{(22)} m_{011}^{(00)} - m_{000}^{(02)} m_{011}^{(00)} m_{011}^{(12)} + m_{000}^{(02)} m_{200}^{(12)} m_{020}^{(22)} \\
& - m_{000}^{(10)} m_{200}^{(12)} m_{011}^{(12)} - m_{000}^{(10)} m_{200}^{(12)} m_{011}^{(10)} + m_{000}^{(10)} m_{200}^{(11)} m_{002}^{(12)} + m_{000}^{(10)} m_{110}^{(10)} m_{101}^{(22)} \\
& - m_{000}^{(10)} m_{110}^{(12)} m_{002}^{(10)} - m_{000}^{(10)} (m_{110}^{(22)})^2 + m_{000}^{(10)} m_{110}^{(22)} m_{101}^{(21)} + 2m_{000}^{(10)} m_{110}^{(22)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{110}^{(22)} m_{002}^{(01)} - m_{000}^{(10)} m_{101}^{(02)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(12)} + m_{000}^{(10)} m_{101}^{(02)} m_{011}^{(11)} \\
& - m_{000}^{(10)} m_{101}^{(02)} m_{002}^{(11)} - m_{000}^{(10)} m_{101}^{(11)} m_{020}^{(22)} + m_{000}^{(10)} m_{101}^{(11)} m_{002}^{(02)} - m_{000}^{(10)} m_{101}^{(21)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{101}^{(22)} m_{020}^{(02)} + m_{000}^{(10)} m_{101}^{(22)} m_{011}^{(01)} + m_{000}^{(10)} m_{020}^{(02)} m_{002}^{(02)} - m_{000}^{(10)} m_{011}^{(01)} m_{002}^{(02)} \\
& - m_{000}^{(10)} (m_{011}^{(02)})^2 + m_{000}^{(10)} m_{011}^{(02)} m_{002}^{(01)} - m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(22)} + m_{000}^{(11)} m_{200}^{(12)} m_{002}^{(10)} \\
& + m_{000}^{(11)} m_{200}^{(12)} m_{101}^{(12)} - m_{000}^{(11)} m_{200}^{(12)} m_{011}^{(02)} + m_{000}^{(11)} m_{200}^{(22)} m_{011}^{(20)} - m_{000}^{(11)} m_{200}^{(22)} m_{002}^{(10)} \\
& + m_{000}^{(11)} m_{110}^{(02)} m_{011}^{(22)} - m_{000}^{(11)} m_{110}^{(02)} m_{002}^{(12)} - m_{000}^{(11)} m_{110}^{(20)} m_{101}^{(12)} + m_{000}^{(11)} m_{110}^{(22)} m_{002}^{(00)} \\
& - m_{000}^{(11)} m_{101}^{(02)} m_{101}^{(12)} + m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(12)} - m_{000}^{(11)} m_{101}^{(02)} m_{011}^{(11)} + m_{000}^{(11)} m_{101}^{(02)} m_{002}^{(10)} \\
& + m_{000}^{(11)} m_{101}^{(10)} m_{011}^{(22)} - m_{000}^{(11)} m_{101}^{(10)} m_{002}^{(12)} + m_{000}^{(11)} m_{101}^{(20)} m_{011}^{(02)} - m_{000}^{(11)} m_{101}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(12)} - m_{000}^{(11)} m_{011}^{(00)} m_{002}^{(10)} + m_{000}^{(12)} m_{200}^{(11)} m_{101}^{(22)} - m_{000}^{(12)} m_{200}^{(11)} m_{002}^{(11)} \\
& - m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(22)} + m_{000}^{(12)} m_{200}^{(21)} m_{011}^{(02)} + m_{000}^{(12)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(12)} m_{200}^{(22)} m_{101}^{(11)} \\
& - m_{000}^{(12)} m_{200}^{(22)} m_{020}^{(20)} + m_{000}^{(12)} m_{200}^{(22)} m_{011}^{(10)} - m_{000}^{(12)} m_{110}^{(01)} m_{101}^{(22)} + m_{000}^{(12)} m_{110}^{(01)} m_{002}^{(02)} \\
& - m_{000}^{(12)} m_{110}^{(10)} m_{101}^{(12)} + m_{000}^{(12)} m_{110}^{(10)} m_{002}^{(12)} + m_{000}^{(12)} m_{110}^{(20)} m_{110}^{(12)} - m_{000}^{(12)} m_{110}^{(20)} m_{011}^{(12)} \\
& - m_{000}^{(12)} m_{110}^{(21)} m_{101}^{(02)} + m_{000}^{(12)} m_{110}^{(22)} m_{101}^{(01)} - m_{000}^{(12)} m_{110}^{(22)} m_{011}^{(00)} - m_{000}^{(12)} m_{101}^{(01)} m_{011}^{(02)} \\
& + m_{000}^{(12)} m_{101}^{(02)} m_{101}^{(11)} + m_{000}^{(12)} m_{101}^{(02)} m_{020}^{(20)} - m_{000}^{(12)} m_{101}^{(02)} m_{011}^{(10)} + m_{000}^{(12)} m_{101}^{(22)} m_{002}^{(00)} \\
& - m_{000}^{(12)} m_{020}^{(00)} m_{002}^{(12)} + m_{000}^{(12)} m_{011}^{(00)} m_{011}^{(12)} - m_{000}^{(12)} m_{200}^{(12)} m_{020}^{(22)} + m_{000}^{(12)} m_{200}^{(12)} m_{011}^{(12)} \\
& + m_{000}^{(20)} m_{200}^{(12)} m_{011}^{(21)} - m_{000}^{(20)} m_{200}^{(12)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(02)} m_{020}^{(22)} - m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(12)} \\
& - m_{000}^{(20)} m_{110}^{(02)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(02)} m_{002}^{(11)} + m_{000}^{(20)} m_{110}^{(12)} m_{110}^{(12)} - m_{000}^{(20)} m_{110}^{(12)} m_{101}^{(12)} \\
& - m_{000}^{(20)} m_{110}^{(12)} m_{011}^{(21)} + m_{000}^{(20)} m_{110}^{(12)} m_{002}^{(01)} - m_{000}^{(20)} m_{110}^{(22)} m_{020}^{(02)} + m_{000}^{(20)} m_{110}^{(22)} m_{101}^{(12)} \\
& - m_{000}^{(20)} m_{110}^{(22)} m_{101}^{(01)} + m_{000}^{(20)} m_{110}^{(22)} m_{002}^{(12)} - m_{000}^{(20)} m_{110}^{(22)} m_{011}^{(02)} + m_{000}^{(20)} m_{101}^{(11)} m_{101}^{(12)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(20)} m_{101}^{(11)} m_{011}^{(02)} + m_{000}^{(20)} m_{101}^{(12)} m_{020}^{(02)} - m_{000}^{(20)} m_{101}^{(12)} m_{011}^{(01)} + m_{000}^{(20)} m_{101}^{(21)} m_{020}^{(02)} \\
& -m_{000}^{(20)} m_{020}^{(02)} m_{002}^{(01)} + m_{000}^{(20)} m_{011}^{(01)} m_{011}^{(02)} + m_{000}^{(21)} m_{200}^{(12)} m_{110}^{(22)} - m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(02)} \\
& -m_{000}^{(21)} m_{200}^{(12)} m_{011}^{(20)} + m_{000}^{(21)} m_{200}^{(12)} m_{002}^{(10)} - m_{000}^{(21)} m_{200}^{(22)} m_{110}^{(12)} + m_{000}^{(21)} m_{200}^{(22)} m_{020}^{(02)} \\
& -m_{000}^{(21)} m_{110}^{(02)} m_{110}^{(22)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(02)} + m_{000}^{(21)} m_{110}^{(02)} m_{011}^{(20)} - m_{000}^{(21)} m_{110}^{(02)} m_{002}^{(10)} \\
& + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(02)} + m_{000}^{(21)} m_{110}^{(12)} m_{101}^{(20)} - m_{000}^{(21)} m_{110}^{(12)} m_{002}^{(00)} - m_{000}^{(21)} m_{101}^{(02)} m_{020}^{(02)} \\
& -m_{000}^{(21)} m_{101}^{(10)} m_{101}^{(12)} + m_{000}^{(21)} m_{101}^{(10)} m_{011}^{(02)} + m_{000}^{(21)} m_{101}^{(12)} m_{011}^{(00)} - m_{000}^{(21)} m_{101}^{(20)} m_{020}^{(02)} \\
& + m_{000}^{(21)} m_{020}^{(02)} m_{002}^{(00)} - m_{000}^{(21)} m_{011}^{(00)} m_{011}^{(02)} - m_{000}^{(22)} m_{200}^{(11)} m_{101}^{(12)} + m_{000}^{(22)} m_{200}^{(11)} m_{011}^{(02)} \\
& -m_{000}^{(22)} m_{200}^{(12)} m_{110}^{(21)} + m_{000}^{(22)} m_{200}^{(12)} m_{101}^{(11)} + m_{000}^{(22)} m_{200}^{(12)} m_{020}^{(20)} - m_{000}^{(22)} m_{200}^{(12)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{200}^{(21)} m_{110}^{(12)} - m_{000}^{(22)} m_{200}^{(21)} m_{020}^{(02)} + m_{000}^{(22)} m_{110}^{(01)} m_{101}^{(12)} - m_{000}^{(22)} m_{110}^{(01)} m_{011}^{(02)} \\
& + m_{000}^{(22)} m_{110}^{(02)} m_{110}^{(21)} - m_{000}^{(22)} m_{110}^{(02)} m_{101}^{(11)} - m_{000}^{(22)} m_{110}^{(02)} m_{020}^{(20)} + m_{000}^{(22)} m_{110}^{(02)} m_{011}^{(10)} \\
& + m_{000}^{(22)} m_{110}^{(10)} m_{101}^{(12)} - m_{000}^{(22)} m_{110}^{(10)} m_{011}^{(02)} - m_{000}^{(22)} m_{110}^{(12)} m_{110}^{(20)} - m_{000}^{(22)} m_{110}^{(12)} m_{101}^{(01)} \\
& + m_{000}^{(22)} m_{110}^{(12)} m_{011}^{(00)} + m_{000}^{(22)} m_{110}^{(20)} m_{020}^{(02)} + m_{000}^{(22)} m_{101}^{(01)} m_{020}^{(02)} - m_{000}^{(22)} m_{101}^{(12)} m_{020}^{(00)} \\
& + m_{000}^{(22)} m_{020}^{(00)} m_{011}^{(02)} - m_{000}^{(22)} m_{020}^{(02)} m_{011}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V2	V1
	1	V3	A0
V2	3	3	A0



$$\begin{aligned}
P_{61}^{(1)} = & -(m_{000}^{(00)})^2 m_{000}^{(11)} m_{011}^{(22)} + (m_{000}^{(00)})^2 m_{000}^{(11)} m_{002}^{(12)} + (m_{000}^{(00)})^2 m_{000}^{(12)} m_{011}^{(21)} \\
& -(m_{000}^{(00)})^2 m_{000}^{(12)} m_{002}^{(11)} + (m_{000}^{(00)})^2 m_{000}^{(21)} m_{020}^{(22)} - (m_{000}^{(00)})^2 m_{000}^{(21)} m_{011}^{(12)} \\
& -(m_{000}^{(00)})^2 m_{000}^{(22)} m_{020}^{(21)} + (m_{000}^{(00)})^2 m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(10)} m_{011}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(10)} m_{002}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{002}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(20)} m_{020}^{(22)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(20)} m_{011}^{(12)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{020}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(21)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(10)} m_{002}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(20)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{002}^{(10)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(21)} \\
& -m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{020}^{(20)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{020}^{(22)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{011}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(01)} - 2m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(22)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(12)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(02)} + 2m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(11)} \\
& -m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(22)} - 2m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} + 2m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(12)} \\
& -m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(02)} - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(01)} \\
& -m_{000}^{(01)} (m_{000}^{(10)})^2 m_{101}^{(22)} + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{002}^{(02)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(20)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(00)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{110}^{(22)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{101}^{(12)} \\
& -2m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(02)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(00)} \\
& -m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(10)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(00)} - m_{000}^{(01)} (m_{000}^{(20)})^2 m_{110}^{(12)} \\
& +m_{000}^{(01)} (m_{000}^{(20)})^2 m_{020}^{(02)} + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(10)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(00)} \\
& +m_{000}^{(02)} (m_{000}^{(10)})^2 m_{101}^{(21)} - m_{000}^{(02)} (m_{000}^{(10)})^2 m_{002}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(20)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(00)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{110}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{101}^{(11)} \\
& +2m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(01)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(20)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(00)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(10)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(00)} + m_{000}^{(02)} (m_{000}^{(20)})^2 m_{110}^{(11)} \\
& -m_{000}^{(02)} (m_{000}^{(20)})^2 m_{020}^{(01)} - m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(10)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(00)} \\
& + (m_{000}^{(10)})^2 m_{000}^{(21)} m_{200}^{(22)} - (m_{000}^{(10)})^2 m_{000}^{(21)} m_{101}^{(02)} - (m_{000}^{(10)})^2 m_{000}^{(22)} m_{200}^{(21)} \\
& + (m_{000}^{(10)})^2 m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{200}^{(22)} + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(02)} \\
& +m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(20)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(00)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(21)} \\
& -m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(01)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(20)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(00)} \\
& -m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(12)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(02)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(11)} \\
& -m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(01)} + m_{000}^{(11)} (m_{000}^{(20)})^2 m_{200}^{(12)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{110}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(10)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(00)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{200}^{(11)} \\
& +m_{000}^{(12)} (m_{000}^{(20)})^2 m_{110}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(10)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{61}^{(2)} = & -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{002}^{(12)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(21)} \\
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{020}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{011}^{(12)} \\
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{020}^{(21)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} (m_{000}^{(11)})^2 m_{101}^{(22)} \\
& -m_{000}^{(00)} (m_{000}^{(11)})^2 m_{002}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{002}^{(01)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{110}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(12)} + 2m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{011}^{(02)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(11)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(01)} + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{110}^{(12)} - m_{000}^{(00)} (m_{000}^{(21)})^2 m_{020}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(11)} + m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(01)} + (m_{000}^{(01)})^2 m_{000}^{(10)} m_{011}^{(22)} \\
& - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{002}^{(12)} - (m_{000}^{(01)})^2 m_{000}^{(12)} m_{011}^{(20)} + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{002}^{(10)} \\
& - (m_{000}^{(01)})^2 m_{000}^{(20)} m_{020}^{(22)} + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{011}^{(12)} + (m_{000}^{(01)})^2 m_{000}^{(22)} m_{020}^{(20)} \\
& - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(21)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{002}^{(11)} \\
& +m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{002}^{(10)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(21)} \\
& -m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{020}^{(20)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(12)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(11)} \\
& +2m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(12)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(02)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)}
\end{aligned}$$

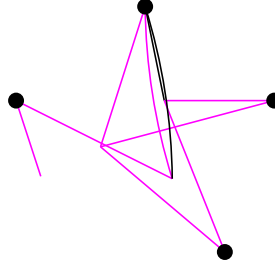
$$\begin{aligned}
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(12)} m_{002}^{(00)} \\
& + 2m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(22)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} \\
& - 2m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(11)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(10)} \\
& - 2m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(00)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(02)} + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} - m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(00)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(01)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(01)} - m_{000}^{(02)} (m_{000}^{(11)})^2 m_{101}^{(20)} + m_{000}^{(02)} (m_{000}^{(11)})^2 m_{002}^{(00)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(01)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(10)} - 2m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{011}^{(00)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(11)} \\
& - m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(01)} - m_{000}^{(02)} (m_{000}^{(21)})^2 m_{110}^{(10)} + m_{000}^{(02)} (m_{000}^{(21)})^2 m_{020}^{(00)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(21)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{200}^{(12)} + m_{000}^{(10)} (m_{000}^{(21)})^2 m_{110}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(11)} - m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(01)} - (m_{000}^{(11)})^2 m_{000}^{(20)} m_{200}^{(22)} \\
& + (m_{000}^{(11)})^2 m_{000}^{(20)} m_{101}^{(02)} + (m_{000}^{(11)})^2 m_{000}^{(22)} m_{200}^{(20)} - (m_{000}^{(11)})^2 m_{000}^{(22)} m_{101}^{(00)} \\
& + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(21)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(01)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(00)} \\
& + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(00)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(12)} - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(02)} \\
& - m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(10)} + m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(11)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(01)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{200}^{(10)} - m_{000}^{(12)} (m_{000}^{(21)})^2 m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{61}^{(3)} = & -m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{002}^{(12)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{011}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{002}^{(11)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{020}^{(22)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(12)} \\
& - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{020}^{(21)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{002}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(02)} \\
& - m_{000}^{(00)} (m_{000}^{(12)})^2 m_{101}^{(21)} + m_{000}^{(00)} (m_{000}^{(12)})^2 m_{002}^{(01)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(02)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(11)} \\
& - 2m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(02)} \\
& - m_{000}^{(00)} (m_{000}^{(22)})^2 m_{110}^{(11)} + m_{000}^{(00)} (m_{000}^{(22)})^2 m_{020}^{(01)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{002}^{(12)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{011}^{(20)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{002}^{(10)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(22)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(12)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(22)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(02)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(12)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(02)} + m_{000}^{(01)} (m_{000}^{(12)})^2 m_{101}^{(20)} \\
& - m_{000}^{(01)} (m_{000}^{(12)})^2 m_{002}^{(00)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(22)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(02)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(20)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(10)} + 2m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(12)} + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(02)} + m_{000}^{(01)} (m_{000}^{(22)})^2 m_{110}^{(10)} \\
& - m_{000}^{(01)} (m_{000}^{(22)})^2 m_{020}^{(00)} - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{011}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(10)} m_{002}^{(11)} \\
& + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{011}^{(20)} - (m_{000}^{(02)})^2 m_{000}^{(11)} m_{002}^{(10)} + (m_{000}^{(02)})^2 m_{000}^{(20)} m_{020}^{(21)} \\
& - (m_{000}^{(02)})^2 m_{000}^{(20)} m_{011}^{(11)} - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{020}^{(20)} + (m_{000}^{(02)})^2 m_{000}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(22)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)} - 2m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{002}^{(00)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(22)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} \\
& +2m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(00)} - 2m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} \\
& +m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(11)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} + 2m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(00)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(11)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(01)} - m_{000}^{(02)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} + m_{000}^{(02)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(00)} \\
& +m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(22)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(02)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(21)} \\
& +m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{120}^{(12)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(02)} \\
& +m_{000}^{(10)} (m_{000}^{(22)})^2 m_{200}^{(11)} - m_{000}^{(10)} (m_{000}^{(22)})^2 m_{110}^{(01)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(22)} \\
& +m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(20)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(00)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{120}^{(12)} - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(02)} - m_{000}^{(11)} (m_{000}^{(22)})^2 m_{200}^{(10)} \\
& +m_{000}^{(11)} (m_{000}^{(22)})^2 m_{110}^{(00)} + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{200}^{(21)} - (m_{000}^{(12)})^2 m_{000}^{(20)} m_{101}^{(01)} \\
& - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{200}^{(20)} + (m_{000}^{(12)})^2 m_{000}^{(21)} m_{101}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(11)} \\
& +m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(01)} + m_{000}^{(12)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(12)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	2	V2	V1
V2	V3	V3	A0
2	V4	V4	A0

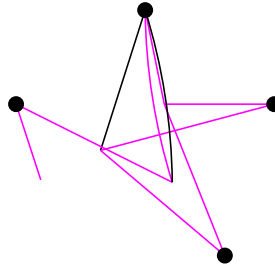


$$\begin{aligned}
P_{62}^{(1)} = & - (m_{000}^{(00)})^2 m_{000}^{(11)} m_{011}^{(22)} + (m_{000}^{(00)})^2 m_{000}^{(11)} m_{002}^{(12)} + (m_{000}^{(00)})^2 m_{000}^{(12)} m_{020}^{(22)} \\
& - (m_{000}^{(00)})^2 m_{000}^{(12)} m_{011}^{(12)} + (m_{000}^{(00)})^2 m_{000}^{(21)} m_{011}^{(21)} - (m_{000}^{(00)})^2 m_{000}^{(21)} m_{002}^{(11)} \\
& - (m_{000}^{(00)})^2 m_{000}^{(22)} m_{020}^{(21)} + (m_{000}^{(00)})^2 m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(10)} m_{011}^{(22)} \\
& - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(10)} m_{002}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{110}^{(22)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{101}^{(12)} \\
& - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(20)} m_{011}^{(21)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(20)} m_{002}^{(11)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{110}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{101}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(10)} m_{020}^{(22)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{110}^{(22)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{101}^{(12)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{110}^{(21)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(01)} (m_{000}^{(22)})^2 m_{200}^{(11)} - m_{000}^{(01)} (m_{000}^{(22)})^2 m_{110}^{(01)} \\
& - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{020}^{(22)} + (m_{000}^{(02)})^2 m_{000}^{(10)} m_{011}^{(12)} + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{110}^{(22)} \\
& - (m_{000}^{(02)})^2 m_{000}^{(11)} m_{101}^{(12)} + (m_{000}^{(02)})^2 m_{000}^{(20)} m_{020}^{(21)} - (m_{000}^{(02)})^2 m_{000}^{(20)} m_{011}^{(11)} \\
& - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{110}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(21)} m_{101}^{(11)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(22)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(02)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(10)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(20)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{200}^{(22)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(02)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(10)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(12)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} \\
& - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(20)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(10)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(21)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(20)} \\
& - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(11)} \\
& - m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(01)} - m_{000}^{(02)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(01)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(20)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(20)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(10)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{011}^{(00)} \\
& + m_{000}^{(10)} (m_{000}^{(22)})^2 m_{110}^{(10)} - m_{000}^{(10)} (m_{000}^{(22)})^2 m_{020}^{(00)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(20)} \\
& + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(00)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(20)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(00)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(11)} (m_{000}^{(22)})^2 m_{200}^{(10)} \\
& + m_{000}^{(11)} (m_{000}^{(22)})^2 m_{110}^{(00)} + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{110}^{(20)} - (m_{000}^{(12)})^2 m_{000}^{(20)} m_{011}^{(00)} \\
& - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{200}^{(00)} + (m_{000}^{(12)})^2 m_{000}^{(21)} m_{101}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(10)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(00)} + m_{000}^{(12)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(10)} - m_{000}^{(12)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V2 & 2 & V1 \\
V2 & V3 & V3 & A0 \\
2 & V4 & V4 & A0
\end{array}$$

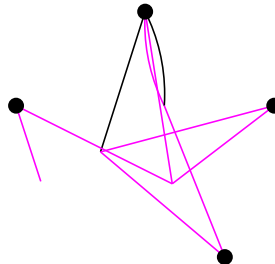


$$\begin{aligned}
P_{63}^{(1)} = & - (m_{000}^{(00)})^2 m_{000}^{(11)} m_{011}^{(22)} + (m_{000}^{(00)})^2 m_{000}^{(11)} m_{002}^{(21)} + (m_{000}^{(00)})^2 m_{000}^{(12)} m_{020}^{(22)} \\
& - (m_{000}^{(00)})^2 m_{000}^{(12)} m_{011}^{(21)} + (m_{000}^{(00)})^2 m_{000}^{(21)} m_{011}^{(12)} - (m_{000}^{(00)})^2 m_{000}^{(21)} m_{002}^{(11)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(21)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{002}^{(11)} \\
& -m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{020}^{(12)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} (m_{000}^{(11)})^2 m_{101}^{(22)} \\
& -m_{000}^{(00)} (m_{000}^{(11)})^2 m_{002}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{110}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{011}^{(20)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{011}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{002}^{(10)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(12)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{020}^{(02)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(01)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(10)} \\
& + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{101}^{(11)} - m_{000}^{(00)} (m_{000}^{(21)})^2 m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(11)} \\
& + m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(10)} + (m_{000}^{(01)})^2 m_{000}^{(10)} m_{011}^{(22)} - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{002}^{(21)} \\
& - (m_{000}^{(01)})^2 m_{000}^{(12)} m_{110}^{(21)} + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{101}^{(21)} - (m_{000}^{(01)})^2 m_{000}^{(20)} m_{011}^{(12)} \\
& + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{002}^{(11)} + (m_{000}^{(01)})^2 m_{000}^{(22)} m_{110}^{(12)} - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{101}^{(11)} \\
& -m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{020}^{(22)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(21)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{110}^{(22)} \\
& -m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{101}^{(21)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(12)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(11)} \\
& -m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{110}^{(12)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(11)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(02)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(01)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(10)} \\
& + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(12)} m_{200}^{(20)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(10)} \\
& + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(01)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(12)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(01)} \\
& + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(12)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} \\
& -m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(10)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(21)} \\
& + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(02)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(10)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} \\
& -m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(11)} + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(11)} \\
& -m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{110}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{011}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{020}^{(02)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(01)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} (m_{000}^{(11)})^2 m_{200}^{(22)} + m_{000}^{(02)} (m_{000}^{(11)})^2 m_{101}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{020}^{(02)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{020}^{(20)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(01)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{110}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(11)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(10)} - m_{000}^{(02)} (m_{000}^{(21)})^2 m_{200}^{(11)} + m_{000}^{(02)} (m_{000}^{(21)})^2 m_{110}^{(10)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{011}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{101}^{(01)} + m_{000}^{(10)} (m_{000}^{(21)})^2 m_{011}^{(00)} \\
& + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(01)} - m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(00)} - (m_{000}^{(11)})^2 m_{000}^{(20)} m_{101}^{(02)} \\
& + (m_{000}^{(11)})^2 m_{000}^{(20)} m_{002}^{(00)} + (m_{000}^{(11)})^2 m_{000}^{(22)} m_{200}^{(02)} - (m_{000}^{(11)})^2 m_{000}^{(22)} m_{101}^{(00)} \\
& + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(02)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(00)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(02)} \\
& + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(00)} \\
& -m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(01)} \\
& + m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(00)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{200}^{(01)} - m_{000}^{(12)} (m_{000}^{(21)})^2 m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	V2	2	V1
V2	2	V3	A0
V3	V4	V4	A0



$$\begin{aligned}
 P_{64}^{(1)} = & - (m_{000}^{(00)})^2 m_{000}^{(11)} m_{011}^{(22)} + (m_{000}^{(00)})^2 m_{000}^{(11)} m_{002}^{(21)} + (m_{000}^{(00)})^2 m_{000}^{(12)} m_{020}^{(22)} \\
 & - (m_{000}^{(00)})^2 m_{000}^{(12)} m_{011}^{(21)} + (m_{000}^{(00)})^2 m_{000}^{(21)} m_{011}^{(12)} - (m_{000}^{(00)})^2 m_{000}^{(21)} m_{002}^{(11)} \\
 & - (m_{000}^{(00)})^2 m_{000}^{(22)} m_{020}^{(12)} + (m_{000}^{(00)})^2 m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(10)} m_{011}^{(22)} \\
 & - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(10)} m_{002}^{(21)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{101}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{002}^{(20)} \\
 & - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{110}^{(22)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(20)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(20)} m_{011}^{(12)} \\
 & + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(20)} m_{002}^{(11)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{101}^{(12)} + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{002}^{(10)} \\
 & + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(10)} m_{020}^{(22)} \\
 & + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(21)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{101}^{(21)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(20)} \\
 & + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{110}^{(21)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{020}^{(20)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(12)} \\
 & - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(10)} \\
 & - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{110}^{(11)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{020}^{(10)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(22)} \\
 & + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(21)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(02)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(01)} \\
 & + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(11)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(02)} \\
 & - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{200}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} \\
 & + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} \\
 & - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(22)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(20)} \\
 & - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} \\
 & + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(00)} (m_{000}^{(12)})^2 m_{200}^{(21)} + m_{000}^{(00)} (m_{000}^{(12)})^2 m_{110}^{(20)} \\
 & - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(02)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(11)} \\
 & - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(10)} - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(12)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(11)} \\
 & + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{200}^{(12)} - m_{000}^{(00)} (m_{000}^{(21)})^2 m_{101}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(11)}
 \end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{101}^{(22)} + (m_{000}^{(01)})^2 m_{000}^{(10)} m_{002}^{(20)} \\
& + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{101}^{(12)} - (m_{000}^{(01)})^2 m_{000}^{(20)} m_{002}^{(10)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{110}^{(22)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{101}^{(21)} - 2m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{110}^{(12)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{101}^{(11)} + 2m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(10)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{110}^{(22)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{101}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{200}^{(22)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(02)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{200}^{(21)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(02)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(00)} \\
& - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(00)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(02)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(00)} + m_{000}^{(01)} (m_{000}^{(20)})^2 m_{110}^{(12)} - m_{000}^{(01)} (m_{000}^{(20)})^2 m_{101}^{(11)} \\
& - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(12)} + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(11)} \\
& - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(10)} - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{110}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(10)} m_{020}^{(20)} \\
& + (m_{000}^{(02)})^2 m_{000}^{(20)} m_{110}^{(11)} - (m_{000}^{(02)})^2 m_{000}^{(20)} m_{020}^{(10)} + m_{000}^{(02)} (m_{000}^{(10)})^2 m_{110}^{(22)} \\
& - m_{000}^{(02)} (m_{000}^{(10)})^2 m_{101}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{200}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(20)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{200}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(20)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{110}^{(12)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(01)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(00)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(00)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{200}^{(12)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(01)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(10)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(00)} \\
& - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(11)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(01)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(00)} - (m_{000}^{(10)})^2 m_{000}^{(22)} m_{110}^{(02)} + (m_{000}^{(10)})^2 m_{000}^{(22)} m_{101}^{(01)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(00)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(02)} \\
& - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(01)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(01)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(00)} \\
& + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(02)} - m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{200}^{(02)} \\
& + m_{000}^{(10)} (m_{000}^{(21)})^2 m_{101}^{(00)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(01)} - m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)} \\
& - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(02)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(00)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{110}^{(02)} \\
& + m_{000}^{(11)} (m_{000}^{(20)})^2 m_{101}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(00)} \\
& - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(00)} + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{200}^{(01)} \\
& - (m_{000}^{(12)})^2 m_{000}^{(20)} m_{110}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{64}^{(2)} = & m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{020}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(21)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{020}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{020}^{(22)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{020}^{(12)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(11)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{011}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(21)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(11)} \\
& + m_{000}^{(00)} (m_{000}^{(11)})^2 m_{101}^{(22)} - m_{000}^{(00)} (m_{000}^{(11)})^2 m_{002}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{020}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(21)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{110}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(12)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{011}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{002}^{(11)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(21)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(02)} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(11)} \\
& - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{020}^{(02)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(01)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(10)} \\
& - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(12)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(11)} + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{110}^{(12)} \\
& - m_{000}^{(00)} (m_{000}^{(21)})^2 m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(11)} + m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(10)}
\end{aligned}$$

$$\begin{aligned}
& - (m_{000}^{(01)})^2 m_{000}^{(12)} m_{110}^{(22)} + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{011}^{(20)} + (m_{000}^{(01)})^2 m_{000}^{(22)} m_{110}^{(12)} \\
& - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{011}^{(10)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{110}^{(22)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(20)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{110}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{020}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{110}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(10)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{110}^{(11)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{020}^{(10)} \\
& + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{011}^{(22)} - m_{000}^{(01)} (m_{000}^{(10)})^2 m_{002}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(22)} + 2m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(21)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{020}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{002}^{(11)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(20)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(20)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(12)} m_{200}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(10)} \\
& - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(12)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} \\
& + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(01)} (m_{000}^{(12)})^2 m_{200}^{(21)} + m_{000}^{(01)} (m_{000}^{(12)})^2 m_{110}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(11)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(10)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(02)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(00)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(11)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(10)} \\
& + m_{000}^{(01)} (m_{000}^{(20)})^2 m_{020}^{(12)} - m_{000}^{(01)} (m_{000}^{(20)})^2 m_{011}^{(11)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(10)} + m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(11)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(10)} \\
& - (m_{000}^{(02)})^2 m_{000}^{(11)} m_{110}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{020}^{(20)} + (m_{000}^{(02)})^2 m_{000}^{(21)} m_{110}^{(11)} \\
& - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{020}^{(10)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{110}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(21)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(11)} - m_{000}^{(02)} (m_{000}^{(11)})^2 m_{200}^{(22)} \\
& + m_{000}^{(02)} (m_{000}^{(11)})^2 m_{101}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{200}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{110}^{(20)} \\
& + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(12)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(01)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(00)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(11)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(01)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(10)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{020}^{(00)} - (m_{000}^{(10)})^2 m_{000}^{(21)} m_{011}^{(02)} \\
& + (m_{000}^{(10)})^2 m_{000}^{(21)} m_{002}^{(01)} + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(01)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(01)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(02)} - 2m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(00)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{020}^{(02)} - m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(01)} \\
& - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{110}^{(02)} + m_{000}^{(10)} (m_{000}^{(21)})^2 m_{011}^{(00)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(01)} \\
& - m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(00)} - (m_{000}^{(11)})^2 m_{000}^{(20)} m_{101}^{(02)} + (m_{000}^{(11)})^2 m_{000}^{(20)} m_{002}^{(00)} \\
& + (m_{000}^{(11)})^2 m_{000}^{(22)} m_{200}^{(02)} - (m_{000}^{(11)})^2 m_{000}^{(22)} m_{101}^{(00)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(01)} \\
& - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(00)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(02)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(00)} \\
& - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(01)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(00)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{020}^{(02)} \\
& + m_{000}^{(11)} (m_{000}^{(20)})^2 m_{011}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(02)} - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(00)} \\
& - m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(01)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(00)} + (m_{000}^{(12)})^2 m_{000}^{(21)} m_{200}^{(01)} \\
& - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{110}^{(00)}
\end{aligned}$$

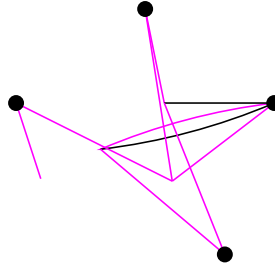
$$\begin{aligned}
P_{64}^{(3)} = & m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{002}^{(21)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{002}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(22)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{002}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{110}^{(11)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(21)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{002}^{(11)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(22)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{002}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(12)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(02)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{002}^{(01)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{002}^{(10)} \\
& -m_{000}^{(00)} (m_{000}^{(12)})^2 m_{101}^{(21)} + m_{000}^{(00)} (m_{000}^{(12)})^2 m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(22)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(22)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(02)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(21)} \\
& +m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(11)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{020}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(12)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(12)} \\
& -m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(00)} (m_{000}^{(22)})^2 m_{110}^{(11)} + m_{000}^{(00)} (m_{000}^{(22)})^2 m_{020}^{(10)} \\
& -(m_{000}^{(01)})^2 m_{000}^{(12)} m_{101}^{(22)} + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{002}^{(20)} + (m_{000}^{(01)})^2 m_{000}^{(22)} m_{101}^{(12)} \\
& -(m_{000}^{(01)})^2 m_{000}^{(22)} m_{002}^{(10)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{101}^{(22)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{002}^{(20)} \\
& +m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{101}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(10)} \\
& +m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{002}^{(10)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(02)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{002}^{(00)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(22)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(21)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(22)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(02)} \\
& -m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(20)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(21)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(11)} \\
& -m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(12)} + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(10)} + m_{000}^{(01)} (m_{000}^{(22)})^2 m_{200}^{(11)} \\
& -m_{000}^{(01)} (m_{000}^{(22)})^2 m_{110}^{(10)} - (m_{000}^{(02)})^2 m_{000}^{(11)} m_{101}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{011}^{(20)} \\
& + (m_{000}^{(02)})^2 m_{000}^{(21)} m_{101}^{(11)} - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{011}^{(10)} + m_{000}^{(02)} (m_{000}^{(10)})^2 m_{011}^{(22)} \\
& -m_{000}^{(02)} (m_{000}^{(10)})^2 m_{002}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(20)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(20)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{020}^{(22)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(21)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{002}^{(11)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(22)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(20)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(22)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(10)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(22)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(21)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} \\
& +m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(11)} \\
& +m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(10)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(00)} \\
& +m_{000}^{(02)} (m_{000}^{(20)})^2 m_{020}^{(12)} - m_{000}^{(02)} (m_{000}^{(20)})^2 m_{011}^{(11)} - 2m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(12)} \\
& +m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(11)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(10)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(11)} \\
& -m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(10)} + m_{000}^{(02)} (m_{000}^{(21)})^2 m_{200}^{(12)} - m_{000}^{(02)} (m_{000}^{(21)})^2 m_{101}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(11)} + m_{000}^{(02)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} - (m_{000}^{(10)})^2 m_{000}^{(22)} m_{011}^{(02)} \\
& + (m_{000}^{(10)})^2 m_{000}^{(22)} m_{002}^{(01)} + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(02)} - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{002}^{(00)} \\
& +m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(02)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(01)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(01)} \\
& +m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{011}^{(00)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(02)} - m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(01)} \\
& -m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{011}^{(00)} + m_{000}^{(10)} (m_{000}^{(22)})^2 m_{110}^{(01)} \\
& -m_{000}^{(10)} (m_{000}^{(22)})^2 m_{020}^{(00)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(00)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{101}^{(01)} + m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(00)} - m_{000}^{(11)} (m_{000}^{(22)})^2 m_{200}^{(01)} + m_{000}^{(11)} (m_{000}^{(22)})^2 m_{110}^{(00)} \\
& + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{101}^{(01)} - (m_{000}^{(12)})^2 m_{000}^{(20)} m_{011}^{(00)} - m_{000}^{(12)} (m_{000}^{(20)})^2 m_{020}^{(02)} \\
& + m_{000}^{(12)} (m_{000}^{(20)})^2 m_{011}^{(01)} + 2m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(02)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(01)} \\
& - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(00)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(01)} + m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(00)} \\
& - m_{000}^{(12)} (m_{000}^{(21)})^2 m_{200}^{(02)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{101}^{(00)} + m_{000}^{(12)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(01)} \\
& - m_{000}^{(12)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)}
\end{aligned}$$

Generating graph:

V1	V2	V3	V1
V2	3	3	A0
V3	V4	V4	A0



$$\begin{aligned}
P_{65}^{(1)} = & m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{101}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{110}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{101}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{101}^{(21)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{110}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{110}^{(11)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(22)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} \\
& - m_{000}^{(00)} (m_{000}^{(12)})^2 m_{110}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(02)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(10)} - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(11)} \\
& + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{101}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{101}^{(22)} \\
& + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{200}^{(22)} + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{101}^{(12)} - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{200}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{110}^{(22)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{101}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{200}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{200}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{110}^{(12)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{101}^{(11)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{200}^{(12)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{200}^{(11)} + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{101}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{200}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{101}^{(12)}
\end{aligned}$$

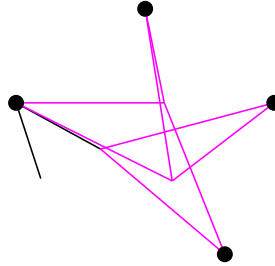
$$\begin{aligned}
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{101}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(02)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(20)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{200}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(01)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(02)} \\
& + m_{000}^{(01)} (m_{000}^{(12)})^2 m_{200}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(12)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(20)} \\
& + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(01)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(02)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(10)} + m_{000}^{(01)} (m_{000}^{(20)})^2 m_{101}^{(11)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(10)} \\
& - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(11)} + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(10)} - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{110}^{(21)} \\
& + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{200}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(20)} m_{110}^{(11)} - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{200}^{(11)} \\
& - m_{000}^{(02)} (m_{000}^{(10)})^2 m_{110}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{200}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{110}^{(20)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{110}^{(12)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{110}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{200}^{(20)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(02)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(01)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{200}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{200}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(02)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(20)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(10)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{200}^{(20)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(01)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(01)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(10)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(01)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(10)} - m_{000}^{(02)} (m_{000}^{(20)})^2 m_{110}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(11)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(10)} - m_{000}^{(02)} (m_{000}^{(21)})^2 m_{200}^{(10)} \\
& - (m_{000}^{(10)})^2 m_{000}^{(21)} m_{101}^{(02)} + (m_{000}^{(10)})^2 m_{000}^{(22)} m_{110}^{(02)} + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(02)} \\
& - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(02)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(02)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(00)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(00)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(01)} \\
& - m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(01)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{101}^{(00)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(00)} \\
& - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(00)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(00)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{101}^{(01)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(00)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{200}^{(01)} - m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(00)} \\
& + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{110}^{(00)} - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{200}^{(00)} + m_{000}^{(12)} (m_{000}^{(20)})^2 m_{110}^{(01)} \\
& - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{200}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(00)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{200}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{65}^{(2)} = & m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{011}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{020}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{020}^{(12)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(21)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{020}^{(21)} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{020}^{(11)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{011}^{(22)} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{020}^{(22)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(12)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{011}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(02)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} \\
& - m_{000}^{(00)} (m_{000}^{(12)})^2 m_{020}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{020}^{(02)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(01)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{020}^{(10)} - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(11)} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(11)} \\
& + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{020}^{(10)} - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{011}^{(22)} \\
& + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{110}^{(22)} + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{011}^{(12)} - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{110}^{(12)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{020}^{(22)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{110}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{110}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{020}^{(12)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(11)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{110}^{(12)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{110}^{(11)} + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{011}^{(22)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(12)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{002}^{(22)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{002}^{(12)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{002}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(02)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(20)} \\
& +m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(21)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{002}^{(01)} \\
& +m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{002}^{(10)} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(02)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(02)} \\
& +m_{000}^{(01)} (m_{000}^{(12)})^2 m_{101}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(12)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(20)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(01)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(02)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(20)} \\
& -m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(10)} + m_{000}^{(01)} (m_{000}^{(20)})^2 m_{002}^{(11)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{002}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{101}^{(11)} + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(10)} - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{011}^{(21)} \\
& + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{101}^{(21)} + (m_{000}^{(02)})^2 m_{000}^{(20)} m_{011}^{(11)} - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{101}^{(11)} \\
& -m_{000}^{(02)} (m_{000}^{(10)})^2 m_{011}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{101}^{(22)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(20)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(21)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(21)} \\
& -m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(02)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(10)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(20)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(01)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(10)} \\
& +m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} - m_{000}^{(02)} (m_{000}^{(20)})^2 m_{011}^{(11)} \\
& +m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(11)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} (m_{000}^{(21)})^2 m_{101}^{(10)} \\
& - (m_{000}^{(10)})^2 m_{000}^{(21)} m_{002}^{(02)} + (m_{000}^{(10)})^2 m_{000}^{(22)} m_{011}^{(02)} + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(02)} \\
& -m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(02)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(02)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(02)} \\
& +m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{011}^{(00)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{002}^{(01)} \\
& -m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(01)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{002}^{(00)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{011}^{(00)} \\
& -m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(00)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(00)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{002}^{(01)} \\
& +m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{002}^{(00)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(00)} \\
& + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{011}^{(00)} - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{101}^{(00)} + m_{000}^{(12)} (m_{000}^{(20)})^2 m_{011}^{(01)} \\
& -m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(00)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{101}^{(00)}
\end{aligned}$$

Generating graph:

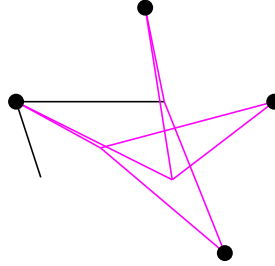
V1	V1	1	1
V2	V2	V3	A0
V3	V4	V4	A0



$$\begin{aligned}
P_{66}^{(3)} = & m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{002}^{(22)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{002}^{(21)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{002}^{(12)} \\
& + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{002}^{(11)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{011} \\
& + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{011} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{002} \\
& + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{002} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{002} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{002} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{011} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011} \\
& - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{002} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{002} \\
& - m_{000}^{(00)} (m_{000}^{(12)})^2 m_{101}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(21)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(02)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(01)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(10)} \\
& + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{101} - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{011} + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{011} \\
& + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{101}^{(12)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(11)} - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{002}^{(22)} \\
& + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{002}^{(20)} + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{002}^{(12)} - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{002}^{(10)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(22)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{002}^{(21)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{002}^{(20)} \\
& - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(12)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{002}^{(11)} \\
& + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{002} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{011} + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{002}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(22)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{002}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(22)} \\
& - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{002} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(02)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(02)} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011} \\
& + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011} - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{002} \\
& + m_{000}^{(01)} (m_{000}^{(12)})^2 m_{101}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(21)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(02)} \\
& + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(10)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(20)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(00)} \\
& - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(10)} + m_{000}^{(01)} (m_{000}^{(20)})^2 m_{011}^{(12)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(12)} \\
& - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(10)} + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(10)} - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{011}^{(21)} \\
& + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{011}^{(20)} + (m_{000}^{(02)})^2 m_{000}^{(20)} m_{011}^{(11)} - (m_{000}^{(02)})^2 m_{000}^{(21)} m_{011}^{(10)} \\
& - m_{000}^{(02)} (m_{000}^{(10)})^2 m_{002}^{(21)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(21)} \\
& + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(21)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(20)} m_{002}^{(11)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(12)} \\
& - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(01)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{002} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(20)} \\
& - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(11)} - m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} \\
& + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(02)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(00)} - m_{000}^{(02)} (m_{000}^{(20)})^2 m_{011}^{(11)} \\
& + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(11)} + m_{000}^{(02)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(10)} - m_{000}^{(02)} (m_{000}^{(21)})^2 m_{101}^{(10)} \\
& - (m_{000}^{(10)})^2 m_{000}^{(21)} m_{002}^{(02)} + (m_{000}^{(10)})^2 m_{000}^{(22)} m_{002}^{(01)} + m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(02)} \\
& - m_{000}^{(10)} m_{000}^{(11)} m_{000}^{(22)} m_{002} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(02)} \\
& + m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(00)} - m_{000}^{(10)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(01)} + m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(02)} \\
& - m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(01)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{101}^{(02)} + m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(01)} \\
& - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{101}^{(00)} - m_{000}^{(11)} (m_{000}^{(20)})^2 m_{011}^{(02)} \\
& + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{011}^{(00)} - m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{101}^{(00)} \\
& + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{101}^{(01)} - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{101}^{(00)} + m_{000}^{(12)} (m_{000}^{(20)})^2 m_{011}^{(01)} \\
& - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(00)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{101}^{(00)}
\end{aligned}$$

Generating graph:

V1	1	V1	1
V2	V2	V3	A0
V3	V4	V4	A0

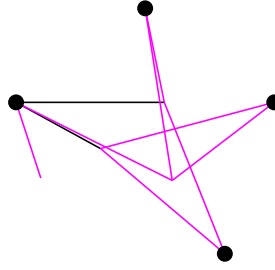


$$\begin{aligned}
 P_{67}^{(1)} = & m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(11)} m_{002}^{(20)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(12)} m_{011}^{(20)} - m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(21)} m_{002}^{(10)} \\
 & + m_{000}^{(00)} m_{000}^{(01)} m_{000}^{(22)} m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(11)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(12)} m_{020}^{(20)} \\
 & + m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(21)} m_{011}^{(10)} - m_{000}^{(00)} m_{000}^{(02)} m_{000}^{(22)} m_{020}^{(10)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(11)} m_{002}^{(20)} \\
 & + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(12)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(10)} - m_{000}^{(00)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(10)} \\
 & + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(12)} m_{101}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(20)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(21)} m_{101}^{(20)} \\
 & - m_{000}^{(00)} (m_{000}^{(12)})^2 m_{110}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(20)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(20)} \\
 & - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(10)} - m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(10)} \\
 & + m_{000}^{(00)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(10)} + m_{000}^{(00)} (m_{000}^{(21)})^2 m_{101}^{(10)} - m_{000}^{(00)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(10)} \\
 & - (m_{000}^{(01)})^2 m_{000}^{(10)} m_{002}^{(20)} + (m_{000}^{(01)})^2 m_{000}^{(12)} m_{101}^{(20)} + (m_{000}^{(01)})^2 m_{000}^{(20)} m_{002}^{(10)} \\
 & - (m_{000}^{(01)})^2 m_{000}^{(22)} m_{101}^{(10)} + 2m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(10)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(11)} m_{101}^{(10)} \\
 & - m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(12)} m_{110}^{(20)} - 2m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(20)} m_{011}^{(10)} + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(21)} m_{101}^{(20)} \\
 & + m_{000}^{(01)} m_{000}^{(02)} m_{000}^{(22)} m_{110}^{(10)} + m_{000}^{(01)} (m_{000}^{(10)})^2 m_{002}^{(20)} - 2m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(12)} m_{101}^{(20)} \\
 & - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{011}^{(10)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(20)} m_{002}^{(10)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(20)} \\
 & + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(00)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(10)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(00)} \\
 & - m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(00)} + m_{000}^{(01)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(00)} + m_{000}^{(01)} (m_{000}^{(12)})^2 m_{200}^{(20)} \\
 & + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(10)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(00)} \\
 & - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(00)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(00)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(22)} m_{110}^{(10)} \\
 & + m_{000}^{(01)} (m_{000}^{(20)})^2 m_{011}^{(10)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(10)} - m_{000}^{(01)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(10)} \\
 & + m_{000}^{(01)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(10)} - (m_{000}^{(02)})^2 m_{000}^{(10)} m_{020}^{(20)} + (m_{000}^{(02)})^2 m_{000}^{(11)} m_{110}^{(20)}
 \end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(21)} m_{011}^{(02)} - m_{000}^{(10)} m_{000}^{(20)} m_{000}^{(22)} m_{020}^{(02)} - m_{000}^{(10)} (m_{000}^{(21)})^2 m_{101}^{(02)} \\
& +m_{000}^{(10)} m_{000}^{(21)} m_{000}^{(22)} m_{110}^{(02)} - m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(02)} + m_{000}^{(11)} m_{000}^{(12)} m_{000}^{(22)} m_{200}^{(02)} \\
& -m_{000}^{(11)} (m_{000}^{(20)})^2 m_{011}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(21)} m_{101}^{(02)} + m_{000}^{(11)} m_{000}^{(20)} m_{000}^{(22)} m_{110}^{(02)} \\
& -m_{000}^{(11)} m_{000}^{(21)} m_{000}^{(22)} m_{200}^{(02)} + (m_{000}^{(12)})^2 m_{000}^{(20)} m_{110}^{(02)} - (m_{000}^{(12)})^2 m_{000}^{(21)} m_{200}^{(02)} \\
& +m_{000}^{(12)} (m_{000}^{(20)})^2 m_{020}^{(02)} - 2m_{000}^{(12)} m_{000}^{(20)} m_{000}^{(21)} m_{110}^{(02)} + m_{000}^{(12)} (m_{000}^{(21)})^2 m_{200}^{(02)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & 1 & V1 \\
V2 & V2 & V3 & A0 \\
V3 & V4 & V4 & A0
\end{array}$$



$$\begin{aligned}
P_{68}^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{200}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(02)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{200}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{200}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(02)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(01)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(10)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(12)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{200}^{(21)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(02)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(01)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(10)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(12)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{200}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(02)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{200}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(02)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(01)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(10)}
\end{aligned}$$

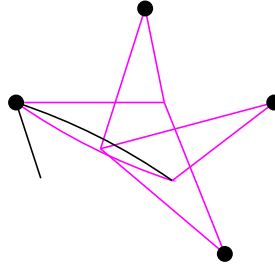
$$\begin{aligned}
P_{68}^{(2)} = & m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{110}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(02)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{020}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{110}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{020}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{020}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(12)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{110}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(02)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{020}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(01)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(10)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(12)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{110}^{(21)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(02)}
\end{aligned}$$

$$\begin{aligned}
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{020}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(01)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(10)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(12)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{110}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{020}^{(02)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{020}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{110}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{020}^{(02)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{020}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(01)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(10)}
\end{aligned}$$

$$\begin{aligned}
P_{68}^{(3)} = & m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{101}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(02)} \\
& +m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{011}^{(20)} + m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{002}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{000}^{(22)} m_{002}^{(10)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{101}^{(21)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(02)} \\
& -m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{011}^{(20)} - m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(01)} + m_{000}^{(00)} m_{000}^{(12)} m_{000}^{(21)} m_{002}^{(10)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(12)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{101}^{(21)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(02)} \\
& -m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{011}^{(20)} - m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{002}^{(01)} + m_{000}^{(01)} m_{000}^{(10)} m_{000}^{(22)} m_{002}^{(10)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(12)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{101}^{(21)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(02)} \\
& +m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{011}^{(20)} + m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(01)} - m_{000}^{(01)} m_{000}^{(12)} m_{000}^{(20)} m_{002}^{(10)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(12)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{101}^{(21)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(02)} \\
& +m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{011}^{(20)} + m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(01)} - m_{000}^{(02)} m_{000}^{(10)} m_{000}^{(21)} m_{002}^{(10)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(12)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{101}^{(21)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(02)} \\
& -m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{011}^{(20)} - m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(01)} + m_{000}^{(02)} m_{000}^{(11)} m_{000}^{(20)} m_{002}^{(10)}
\end{aligned}$$

Generating graph:

V1	V1	V2	1
	1	V2	A0
V3	V4	V4	A0



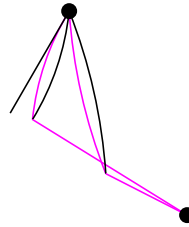
$$\begin{aligned}
P_{69}^{(1)} = & m_{000}^{(00)} m_{120}^{(22)} - m_{000}^{(00)} m_{111}^{(12)} - m_{000}^{(00)} m_{111}^{(21)} + m_{000}^{(00)} m_{102}^{(11)} - m_{000}^{(01)} m_{210}^{(22)} + m_{000}^{(01)} m_{201}^{(12)} \\
& +m_{000}^{(01)} m_{111}^{(20)} - m_{000}^{(01)} m_{102}^{(10)} + m_{000}^{(02)} m_{210}^{(21)} - m_{000}^{(02)} m_{201}^{(11)} - m_{000}^{(02)} m_{120}^{(20)} + m_{000}^{(02)} m_{111}^{(10)} \\
& -m_{000}^{(10)} m_{210}^{(22)} + m_{000}^{(10)} m_{201}^{(21)} + m_{000}^{(10)} m_{111}^{(02)} - m_{000}^{(10)} m_{102}^{(01)} + m_{000}^{(10)} m_{300}^{(22)} - m_{000}^{(10)} m_{201}^{(02)} \\
& -m_{000}^{(11)} m_{201}^{(20)} + m_{000}^{(11)} m_{102}^{(00)} - m_{000}^{(12)} m_{300}^{(21)} + m_{000}^{(12)} m_{210}^{(20)} + m_{000}^{(12)} m_{201}^{(01)} - m_{000}^{(12)} m_{111}^{(00)} \\
& +m_{000}^{(20)} m_{210}^{(12)} - m_{000}^{(20)} m_{201}^{(11)} - m_{000}^{(20)} m_{120}^{(02)} + m_{000}^{(20)} m_{111}^{(01)} - m_{000}^{(20)} m_{300}^{(12)} + m_{000}^{(20)} m_{210}^{(02)} \\
& +m_{000}^{(21)} m_{201}^{(10)} - m_{000}^{(21)} m_{111}^{(00)} + m_{000}^{(22)} m_{300}^{(11)} - m_{000}^{(22)} m_{210}^{(01)} - m_{000}^{(22)} m_{210}^{(10)} + m_{000}^{(22)} m_{120}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{69}^{(2)} = & m_{000}^{(00)} m_{030}^{(22)} - m_{000}^{(00)} m_{021}^{(12)} - m_{000}^{(00)} m_{021}^{(21)} + m_{000}^{(00)} m_{012}^{(11)} - m_{000}^{(01)} m_{120}^{(22)} + m_{000}^{(01)} m_{111}^{(12)} \\
& + m_{000}^{(01)} m_{021}^{(20)} - m_{000}^{(01)} m_{012}^{(10)} + m_{000}^{(02)} m_{120}^{(21)} - m_{000}^{(02)} m_{111}^{(11)} - m_{000}^{(02)} m_{030}^{(20)} + m_{000}^{(02)} m_{021}^{(10)} \\
& - m_{000}^{(10)} m_{120}^{(22)} + m_{000}^{(10)} m_{111}^{(21)} + m_{000}^{(10)} m_{021}^{(02)} - m_{000}^{(10)} m_{012}^{(01)} + m_{000}^{(11)} m_{210}^{(22)} - m_{000}^{(11)} m_{111}^{(02)} \\
& - m_{000}^{(11)} m_{111}^{(20)} + m_{000}^{(11)} m_{012}^{(00)} - m_{000}^{(12)} m_{210}^{(21)} + m_{000}^{(12)} m_{120}^{(20)} + m_{000}^{(12)} m_{111}^{(01)} - m_{000}^{(12)} m_{021}^{(00)} \\
& + m_{000}^{(20)} m_{120}^{(12)} - m_{000}^{(20)} m_{111}^{(11)} - m_{000}^{(20)} m_{030}^{(02)} + m_{000}^{(20)} m_{021}^{(01)} - m_{000}^{(21)} m_{210}^{(12)} + m_{000}^{(21)} m_{120}^{(02)} \\
& + m_{000}^{(21)} m_{111}^{(10)} - m_{000}^{(21)} m_{021}^{(00)} + m_{000}^{(22)} m_{210}^{(11)} - m_{000}^{(22)} m_{120}^{(01)} - m_{000}^{(22)} m_{120}^{(22)} + m_{000}^{(22)} m_{030}^{(00)}
\end{aligned}$$

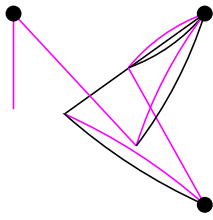
$$\begin{aligned}
P_{69}^{(3)} = & m_{000}^{(00)} m_{021}^{(22)} - m_{000}^{(00)} m_{012}^{(12)} - m_{000}^{(00)} m_{012}^{(21)} + m_{000}^{(00)} m_{003}^{(11)} - m_{000}^{(01)} m_{111}^{(22)} + m_{000}^{(01)} m_{102}^{(12)} \\
& + m_{000}^{(01)} m_{012}^{(20)} - m_{000}^{(01)} m_{003}^{(10)} + m_{000}^{(02)} m_{111}^{(21)} - m_{000}^{(02)} m_{102}^{(11)} - m_{000}^{(02)} m_{021}^{(20)} + m_{000}^{(02)} m_{012}^{(10)} \\
& - m_{000}^{(10)} m_{111}^{(22)} + m_{000}^{(10)} m_{102}^{(21)} + m_{000}^{(10)} m_{012}^{(02)} - m_{000}^{(10)} m_{003}^{(01)} + m_{000}^{(11)} m_{201}^{(22)} - m_{000}^{(11)} m_{102}^{(02)} \\
& - m_{000}^{(11)} m_{102}^{(20)} + m_{000}^{(11)} m_{003}^{(12)} - m_{000}^{(12)} m_{201}^{(21)} + m_{000}^{(12)} m_{111}^{(12)} + m_{000}^{(12)} m_{102}^{(01)} - m_{000}^{(12)} m_{012}^{(10)} \\
& + m_{000}^{(20)} m_{111}^{(12)} - m_{000}^{(20)} m_{102}^{(11)} - m_{000}^{(20)} m_{021}^{(02)} + m_{000}^{(20)} m_{012}^{(01)} - m_{000}^{(21)} m_{201}^{(12)} + m_{000}^{(21)} m_{111}^{(02)} \\
& + m_{000}^{(21)} m_{102}^{(10)} - m_{000}^{(21)} m_{012}^{(00)} + m_{000}^{(22)} m_{201}^{(11)} - m_{000}^{(22)} m_{111}^{(01)} - m_{000}^{(22)} m_{111}^{(22)} + m_{000}^{(22)} m_{021}^{(10)}
\end{aligned}$$

Generating graph:

V1	V1	1
	1	A0
V2	V2	A0



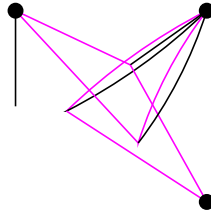
$$\begin{aligned}
P_{70}^{(1)} = & -m_{000}^{(00)} m_{100}^{(01)} m_{021}^{(22)} + m_{000}^{(00)} m_{100}^{(01)} m_{012}^{(12)} + m_{000}^{(00)} m_{100}^{(01)} m_{012}^{(21)} - m_{000}^{(00)} m_{100}^{(01)} m_{003}^{(11)} \\
& + m_{000}^{(00)} m_{100}^{(02)} m_{030}^{(22)} - m_{000}^{(00)} m_{100}^{(02)} m_{021}^{(12)} - m_{000}^{(00)} m_{100}^{(02)} m_{021}^{(21)} + m_{000}^{(00)} m_{100}^{(02)} m_{012}^{(11)} \\
& + m_{000}^{(00)} m_{100}^{(11)} m_{111}^{(22)} - m_{000}^{(00)} m_{100}^{(11)} m_{102}^{(12)} - m_{000}^{(00)} m_{100}^{(11)} m_{012}^{(20)} + m_{000}^{(00)} m_{100}^{(11)} m_{003}^{(10)} \\
& - m_{000}^{(00)} m_{100}^{(12)} m_{120}^{(22)} + m_{000}^{(00)} m_{100}^{(12)} m_{111}^{(12)} + m_{000}^{(00)} m_{100}^{(12)} m_{021}^{(20)} - m_{000}^{(00)} m_{100}^{(12)} m_{012}^{(10)} \\
& - m_{000}^{(00)} m_{100}^{(21)} m_{111}^{(21)} + m_{000}^{(00)} m_{100}^{(21)} m_{102}^{(11)} + m_{000}^{(00)} m_{100}^{(21)} m_{021}^{(20)} - m_{000}^{(00)} m_{100}^{(21)} m_{012}^{(10)} \\
& + m_{000}^{(00)} m_{100}^{(22)} m_{120}^{(21)} - m_{000}^{(00)} m_{100}^{(22)} m_{111}^{(11)} - m_{000}^{(00)} m_{100}^{(22)} m_{030}^{(20)} + m_{000}^{(00)} m_{100}^{(22)} m_{021}^{(10)} \\
& + m_{000}^{(00)} m_{010}^{(00)} m_{021}^{(22)} - m_{000}^{(00)} m_{010}^{(00)} m_{012}^{(12)} - m_{000}^{(00)} m_{010}^{(00)} m_{012}^{(21)} + m_{000}^{(00)} m_{010}^{(00)} m_{003}^{(11)} \\
& - m_{000}^{(00)} m_{010}^{(02)} m_{120}^{(22)} + m_{000}^{(00)} m_{010}^{(02)} m_{111}^{(12)} + m_{000}^{(00)} m_{010}^{(02)} m_{111}^{(21)} - m_{000}^{(00)} m_{010}^{(02)} m_{102}^{(11)} \\
& - m_{000}^{(00)} m_{010}^{(10)} m_{111}^{(22)} + m_{000}^{(00)} m_{010}^{(10)} m_{102}^{(12)} + m_{000}^{(00)} m_{010}^{(10)} m_{012}^{(20)} - m_{000}^{(00)} m_{010}^{(10)} m_{003}^{(10)} \\
& + m_{000}^{(00)} m_{010}^{(12)} m_{210}^{(22)} - m_{000}^{(00)} m_{010}^{(12)} m_{201}^{(12)} - m_{000}^{(00)} m_{010}^{(12)} m_{111}^{(20)} + m_{000}^{(00)} m_{010}^{(12)} m_{102}^{(10)} \\
& + m_{000}^{(00)} m_{010}^{(20)} m_{111}^{(21)} - m_{000}^{(00)} m_{010}^{(20)} m_{102}^{(11)} - m_{000}^{(00)} m_{010}^{(20)} m_{021}^{(20)} + m_{000}^{(00)} m_{010}^{(20)} m_{012}^{(10)} \\
& - m_{000}^{(00)} m_{010}^{(22)} m_{210}^{(21)} + m_{000}^{(00)} m_{010}^{(22)} m_{201}^{(11)} + m_{000}^{(00)} m_{010}^{(22)} m_{120}^{(20)} - m_{000}^{(00)} m_{010}^{(22)} m_{111}^{(10)} \\
& - m_{000}^{(00)} m_{001}^{(00)} m_{030}^{(22)} + m_{000}^{(00)} m_{001}^{(00)} m_{021}^{(12)} + m_{000}^{(00)} m_{001}^{(00)} m_{021}^{(21)} - m_{000}^{(00)} m_{001}^{(00)} m_{012}^{(11)} \\
& + m_{000}^{(00)} m_{001}^{(01)} m_{120}^{(22)} - m_{000}^{(00)} m_{001}^{(01)} m_{111}^{(12)} - m_{000}^{(00)} m_{001}^{(01)} m_{111}^{(21)} + m_{000}^{(00)} m_{001}^{(01)} m_{102}^{(11)}
\end{aligned}$$



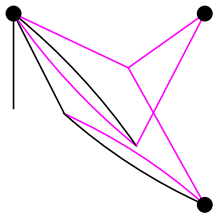
$$\begin{aligned}
& -m_{000}^{(21)} m_{001}^{(20)} m_{210}^{(12)} + m_{000}^{(21)} m_{001}^{(20)} m_{120}^{(02)} + m_{000}^{(21)} m_{001}^{(20)} m_{111}^{(10)} - m_{000}^{(21)} m_{001}^{(20)} m_{021}^{(00)} \\
& + m_{000}^{(21)} m_{001}^{(21)} m_{300}^{(12)} - m_{000}^{(21)} m_{001}^{(21)} m_{210}^{(02)} - m_{000}^{(21)} m_{001}^{(21)} m_{201}^{(10)} + m_{000}^{(21)} m_{001}^{(21)} m_{111}^{(00)} \\
& + m_{000}^{(22)} m_{001}^{(00)} m_{120}^{(21)} - m_{000}^{(22)} m_{001}^{(00)} m_{111}^{(11)} - m_{000}^{(22)} m_{001}^{(00)} m_{030}^{(20)} + m_{000}^{(22)} m_{001}^{(00)} m_{021}^{(10)} \\
& - m_{000}^{(22)} m_{001}^{(01)} m_{210}^{(21)} + m_{000}^{(22)} m_{001}^{(01)} m_{201}^{(11)} + m_{000}^{(22)} m_{001}^{(01)} m_{120}^{(20)} - m_{000}^{(22)} m_{001}^{(01)} m_{111}^{(10)} \\
& - m_{000}^{(22)} m_{001}^{(10)} m_{210}^{(21)} + m_{000}^{(22)} m_{001}^{(10)} m_{120}^{(20)} + m_{000}^{(22)} m_{001}^{(10)} m_{111}^{(01)} - m_{000}^{(22)} m_{001}^{(10)} m_{021}^{(00)} \\
& + m_{000}^{(22)} m_{001}^{(11)} m_{300}^{(21)} - m_{000}^{(22)} m_{001}^{(11)} m_{210}^{(20)} - m_{000}^{(22)} m_{001}^{(11)} m_{201}^{(01)} + m_{000}^{(22)} m_{001}^{(11)} m_{111}^{(00)} \\
& + m_{000}^{(22)} m_{001}^{(20)} m_{210}^{(11)} - m_{000}^{(22)} m_{001}^{(20)} m_{120}^{(01)} - m_{000}^{(22)} m_{001}^{(20)} m_{120}^{(10)} + m_{000}^{(22)} m_{001}^{(20)} m_{030}^{(00)} \\
& - m_{000}^{(22)} m_{001}^{(21)} m_{300}^{(11)} + m_{000}^{(22)} m_{001}^{(21)} m_{210}^{(01)} + m_{000}^{(22)} m_{001}^{(21)} m_{210}^{(10)} - m_{000}^{(22)} m_{001}^{(21)} m_{120}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
V2 & 2 & 2 & A0 \\
& 2 & V3 & V3 & A0
\end{array}$$



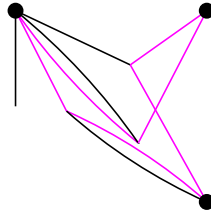
$$\begin{aligned}
P_{72}^{(1)} = & m_{000}^{(00)} m_{100}^{(11)} m_{111}^{(22)} - m_{000}^{(00)} m_{100}^{(11)} m_{102}^{(12)} - m_{000}^{(00)} m_{100}^{(12)} m_{120}^{(22)} + m_{000}^{(00)} m_{100}^{(12)} m_{111}^{(12)} \\
& - m_{000}^{(00)} m_{100}^{(21)} m_{111}^{(21)} + m_{000}^{(00)} m_{100}^{(21)} m_{102}^{(11)} + m_{000}^{(00)} m_{100}^{(22)} m_{120}^{(21)} - m_{000}^{(00)} m_{100}^{(22)} m_{111}^{(11)} \\
& - m_{000}^{(00)} m_{010}^{(10)} m_{111}^{(22)} + m_{000}^{(00)} m_{010}^{(10)} m_{102}^{(12)} + m_{000}^{(00)} m_{010}^{(12)} m_{210}^{(22)} - m_{000}^{(00)} m_{010}^{(12)} m_{201}^{(12)} \\
& + m_{000}^{(00)} m_{010}^{(20)} m_{111}^{(21)} - m_{000}^{(00)} m_{010}^{(20)} m_{102}^{(11)} - m_{000}^{(00)} m_{010}^{(22)} m_{210}^{(21)} + m_{000}^{(00)} m_{010}^{(22)} m_{201}^{(11)} \\
& + m_{000}^{(00)} m_{001}^{(10)} m_{120}^{(22)} - m_{000}^{(00)} m_{001}^{(10)} m_{111}^{(12)} - m_{000}^{(00)} m_{001}^{(11)} m_{210}^{(22)} + m_{000}^{(00)} m_{001}^{(11)} m_{201}^{(12)} \\
& - m_{000}^{(00)} m_{001}^{(20)} m_{120}^{(21)} + m_{000}^{(00)} m_{001}^{(20)} m_{111}^{(11)} + m_{000}^{(00)} m_{001}^{(21)} m_{210}^{(21)} - m_{000}^{(00)} m_{001}^{(21)} m_{201}^{(11)} \\
& - m_{000}^{(01)} m_{100}^{(01)} m_{111}^{(22)} + m_{000}^{(01)} m_{100}^{(01)} m_{102}^{(12)} + m_{000}^{(01)} m_{100}^{(02)} m_{120}^{(22)} - m_{000}^{(01)} m_{100}^{(02)} m_{111}^{(12)} \\
& + m_{000}^{(01)} m_{100}^{(21)} m_{111}^{(20)} - m_{000}^{(01)} m_{100}^{(21)} m_{102}^{(10)} - m_{000}^{(01)} m_{100}^{(22)} m_{120}^{(20)} + m_{000}^{(01)} m_{100}^{(22)} m_{111}^{(10)} \\
& + m_{000}^{(01)} m_{010}^{(00)} m_{111}^{(22)} - m_{000}^{(01)} m_{010}^{(00)} m_{102}^{(12)} - m_{000}^{(01)} m_{010}^{(02)} m_{210}^{(22)} + m_{000}^{(01)} m_{010}^{(02)} m_{201}^{(12)} \\
& - m_{000}^{(01)} m_{010}^{(20)} m_{111}^{(20)} + m_{000}^{(01)} m_{010}^{(20)} m_{102}^{(10)} + m_{000}^{(01)} m_{010}^{(22)} m_{210}^{(20)} - m_{000}^{(01)} m_{010}^{(22)} m_{201}^{(10)} \\
& - m_{000}^{(01)} m_{001}^{(00)} m_{120}^{(22)} + m_{000}^{(01)} m_{001}^{(00)} m_{111}^{(12)} + m_{000}^{(01)} m_{001}^{(01)} m_{210}^{(22)} - m_{000}^{(01)} m_{001}^{(01)} m_{201}^{(12)} \\
& + m_{000}^{(01)} m_{001}^{(20)} m_{120}^{(20)} - m_{000}^{(01)} m_{001}^{(20)} m_{111}^{(10)} - m_{000}^{(01)} m_{001}^{(21)} m_{210}^{(20)} + m_{000}^{(01)} m_{001}^{(21)} m_{201}^{(10)} \\
& + m_{000}^{(02)} m_{100}^{(01)} m_{111}^{(21)} - m_{000}^{(02)} m_{100}^{(01)} m_{102}^{(11)} - m_{000}^{(02)} m_{100}^{(02)} m_{120}^{(21)} + m_{000}^{(02)} m_{100}^{(02)} m_{111}^{(11)} \\
& - m_{000}^{(02)} m_{100}^{(11)} m_{111}^{(20)} + m_{000}^{(02)} m_{100}^{(11)} m_{102}^{(10)} + m_{000}^{(02)} m_{100}^{(12)} m_{120}^{(20)} - m_{000}^{(02)} m_{100}^{(12)} m_{111}^{(10)} \\
& - m_{000}^{(02)} m_{010}^{(00)} m_{111}^{(21)} + m_{000}^{(02)} m_{010}^{(00)} m_{102}^{(11)} + m_{000}^{(02)} m_{010}^{(02)} m_{210}^{(21)} - m_{000}^{(02)} m_{010}^{(02)} m_{201}^{(11)}
\end{aligned}$$



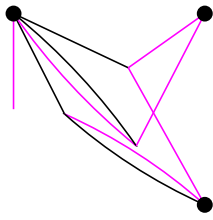
$$\begin{aligned}
& -m_{000}^{(21)} m_{001}^{(00)} m_{102}^{(11)} + m_{000}^{(21)} m_{001}^{(00)} m_{012}^{(01)} + m_{000}^{(21)} m_{001}^{(01)} m_{102}^{(10)} - m_{000}^{(21)} m_{001}^{(01)} m_{012}^{(00)} \\
& + m_{000}^{(21)} m_{001}^{(20)} m_{201}^{(11)} - m_{000}^{(21)} m_{001}^{(20)} m_{111}^{(01)} - m_{000}^{(21)} m_{001}^{(21)} m_{201}^{(10)} + m_{000}^{(21)} m_{001}^{(21)} m_{111}^{(00)} \\
& + m_{000}^{(22)} m_{100}^{(01)} m_{111}^{(12)} - m_{000}^{(22)} m_{100}^{(01)} m_{021}^{(02)} - m_{000}^{(22)} m_{100}^{(02)} m_{111}^{(11)} + m_{000}^{(22)} m_{100}^{(02)} m_{021}^{(01)} \\
& - m_{000}^{(22)} m_{100}^{(11)} m_{201}^{(12)} + m_{000}^{(22)} m_{100}^{(11)} m_{111}^{(02)} + m_{000}^{(22)} m_{100}^{(12)} m_{201}^{(11)} - m_{000}^{(22)} m_{100}^{(12)} m_{111}^{(01)} \\
& - m_{000}^{(22)} m_{010}^{(00)} m_{111}^{(12)} + m_{000}^{(22)} m_{010}^{(00)} m_{021}^{(02)} + m_{000}^{(22)} m_{010}^{(02)} m_{111}^{(10)} - m_{000}^{(22)} m_{010}^{(02)} m_{021}^{(00)} \\
& + m_{000}^{(22)} m_{010}^{(10)} m_{201}^{(12)} - m_{000}^{(22)} m_{010}^{(10)} m_{111}^{(02)} - m_{000}^{(22)} m_{010}^{(12)} m_{201}^{(10)} + m_{000}^{(22)} m_{010}^{(12)} m_{111}^{(00)} \\
& + m_{000}^{(22)} m_{001}^{(00)} m_{111}^{(11)} - m_{000}^{(22)} m_{001}^{(00)} m_{021}^{(01)} - m_{000}^{(22)} m_{001}^{(01)} m_{111}^{(10)} + m_{000}^{(22)} m_{001}^{(01)} m_{021}^{(00)} \\
& - m_{000}^{(22)} m_{001}^{(10)} m_{201}^{(11)} + m_{000}^{(22)} m_{001}^{(10)} m_{111}^{(01)} + m_{000}^{(22)} m_{001}^{(11)} m_{201}^{(10)} - m_{000}^{(22)} m_{001}^{(11)} m_{111}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & 1 & V1 & 1 \\
& 1 & V2 & V3 & A0 \\
V2 & V3 & 3 & A0
\end{array}$$

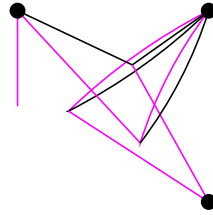


$$\begin{aligned}
P_{74}^{(1)} = & m_{000}^{(00)} m_{100}^{(11)} m_{012}^{(20)} - m_{000}^{(00)} m_{100}^{(11)} m_{003}^{(10)} - m_{000}^{(00)} m_{100}^{(12)} m_{021}^{(20)} + m_{000}^{(00)} m_{100}^{(12)} m_{012}^{(10)} \\
& - m_{000}^{(00)} m_{100}^{(21)} m_{021}^{(20)} + m_{000}^{(00)} m_{100}^{(21)} m_{012}^{(10)} + m_{000}^{(00)} m_{100}^{(22)} m_{030}^{(20)} - m_{000}^{(00)} m_{100}^{(22)} m_{021}^{(10)} \\
& - m_{000}^{(00)} m_{010}^{(10)} m_{012}^{(20)} + m_{000}^{(00)} m_{010}^{(10)} m_{003}^{(10)} + m_{000}^{(00)} m_{010}^{(12)} m_{111}^{(20)} - m_{000}^{(00)} m_{010}^{(12)} m_{102}^{(10)} \\
& + m_{000}^{(00)} m_{010}^{(20)} m_{021}^{(20)} - m_{000}^{(00)} m_{010}^{(20)} m_{012}^{(10)} - m_{000}^{(00)} m_{010}^{(22)} m_{120}^{(20)} + m_{000}^{(00)} m_{010}^{(22)} m_{111}^{(10)} \\
& + m_{000}^{(00)} m_{001}^{(10)} m_{021}^{(20)} - m_{000}^{(00)} m_{001}^{(10)} m_{012}^{(10)} - m_{000}^{(00)} m_{001}^{(11)} m_{111}^{(20)} + m_{000}^{(00)} m_{001}^{(11)} m_{102}^{(10)} \\
& - m_{000}^{(00)} m_{001}^{(20)} m_{030}^{(20)} + m_{000}^{(00)} m_{001}^{(20)} m_{021}^{(10)} + m_{000}^{(00)} m_{001}^{(21)} m_{120}^{(20)} - m_{000}^{(00)} m_{001}^{(21)} m_{111}^{(10)} \\
& - m_{000}^{(01)} m_{100}^{(01)} m_{012}^{(20)} + m_{000}^{(01)} m_{100}^{(01)} m_{003}^{(10)} + m_{000}^{(01)} m_{100}^{(02)} m_{021}^{(20)} - m_{000}^{(01)} m_{100}^{(02)} m_{012}^{(10)} \\
& + m_{000}^{(01)} m_{100}^{(21)} m_{111}^{(20)} - m_{000}^{(01)} m_{100}^{(21)} m_{102}^{(10)} - m_{000}^{(01)} m_{100}^{(22)} m_{120}^{(20)} + m_{000}^{(01)} m_{100}^{(22)} m_{111}^{(10)} \\
& + m_{000}^{(01)} m_{010}^{(00)} m_{012}^{(20)} - m_{000}^{(01)} m_{010}^{(00)} m_{003}^{(10)} - m_{000}^{(01)} m_{010}^{(02)} m_{111}^{(20)} + m_{000}^{(01)} m_{010}^{(02)} m_{102}^{(10)} \\
& - m_{000}^{(01)} m_{010}^{(20)} m_{111}^{(20)} + m_{000}^{(01)} m_{010}^{(20)} m_{102}^{(10)} + m_{000}^{(01)} m_{010}^{(22)} m_{210}^{(20)} - m_{000}^{(01)} m_{010}^{(22)} m_{201}^{(10)} \\
& - m_{000}^{(01)} m_{001}^{(00)} m_{021}^{(20)} + m_{000}^{(01)} m_{001}^{(00)} m_{012}^{(10)} + m_{000}^{(01)} m_{001}^{(01)} m_{111}^{(20)} - m_{000}^{(01)} m_{001}^{(01)} m_{102}^{(10)} \\
& + m_{000}^{(01)} m_{001}^{(20)} m_{120}^{(20)} - m_{000}^{(01)} m_{001}^{(20)} m_{111}^{(10)} - m_{000}^{(01)} m_{001}^{(21)} m_{210}^{(20)} + m_{000}^{(01)} m_{001}^{(21)} m_{201}^{(10)} \\
& + m_{000}^{(02)} m_{100}^{(01)} m_{021}^{(20)} - m_{000}^{(02)} m_{100}^{(01)} m_{012}^{(10)} - m_{000}^{(02)} m_{100}^{(02)} m_{030}^{(20)} + m_{000}^{(02)} m_{100}^{(02)} m_{021}^{(10)} \\
& - m_{000}^{(02)} m_{100}^{(11)} m_{111}^{(20)} + m_{000}^{(02)} m_{100}^{(11)} m_{102}^{(10)} + m_{000}^{(02)} m_{100}^{(12)} m_{120}^{(20)} - m_{000}^{(02)} m_{100}^{(12)} m_{111}^{(10)} \\
& - m_{000}^{(02)} m_{010}^{(00)} m_{021}^{(20)} + m_{000}^{(02)} m_{010}^{(00)} m_{012}^{(10)} + m_{000}^{(02)} m_{010}^{(02)} m_{120}^{(20)} - m_{000}^{(02)} m_{010}^{(02)} m_{111}^{(10)}
\end{aligned}$$



$$\begin{aligned}
& -m_{000}^{(21)} m_{010}^{(12)} m_{300}^{(22)} + m_{000}^{(21)} m_{010}^{(12)} m_{201}^{(02)} + m_{000}^{(21)} m_{010}^{(12)} m_{201}^{(20)} - m_{000}^{(21)} m_{010}^{(12)} m_{102}^{(00)} \\
& + m_{000}^{(21)} m_{010}^{(22)} m_{300}^{(12)} - m_{000}^{(21)} m_{010}^{(22)} m_{210}^{(02)} - m_{000}^{(21)} m_{010}^{(22)} m_{201}^{(10)} + m_{000}^{(21)} m_{010}^{(22)} m_{111}^{(00)} \\
& + m_{000}^{(22)} m_{100}^{(02)} m_{120}^{(21)} - m_{000}^{(22)} m_{100}^{(02)} m_{111}^{(11)} - m_{000}^{(22)} m_{100}^{(02)} m_{030}^{(20)} + m_{000}^{(22)} m_{100}^{(02)} m_{021}^{(10)} \\
& - m_{000}^{(22)} m_{100}^{(12)} m_{210}^{(21)} + m_{000}^{(22)} m_{100}^{(12)} m_{120}^{(20)} + m_{000}^{(22)} m_{100}^{(12)} m_{111}^{(01)} - m_{000}^{(22)} m_{100}^{(12)} m_{021}^{(00)} \\
& + m_{000}^{(22)} m_{100}^{(22)} m_{210}^{(11)} - m_{000}^{(22)} m_{100}^{(22)} m_{120}^{(01)} - m_{000}^{(22)} m_{100}^{(22)} m_{120}^{(10)} + m_{000}^{(22)} m_{100}^{(22)} m_{030}^{(00)} \\
& - m_{000}^{(22)} m_{010}^{(02)} m_{210}^{(21)} + m_{000}^{(22)} m_{010}^{(02)} m_{201}^{(11)} + m_{000}^{(22)} m_{010}^{(02)} m_{120}^{(20)} - m_{000}^{(22)} m_{010}^{(02)} m_{111}^{(10)} \\
& + m_{000}^{(22)} m_{010}^{(12)} m_{300}^{(21)} - m_{000}^{(22)} m_{010}^{(12)} m_{210}^{(20)} - m_{000}^{(22)} m_{010}^{(12)} m_{201}^{(01)} + m_{000}^{(22)} m_{010}^{(12)} m_{111}^{(00)} \\
& - m_{000}^{(22)} m_{010}^{(22)} m_{300}^{(11)} + m_{000}^{(22)} m_{010}^{(22)} m_{210}^{(01)} + m_{000}^{(22)} m_{010}^{(22)} m_{210}^{(10)} - m_{000}^{(22)} m_{010}^{(22)} m_{120}^{(00)}
\end{aligned}$$

Generating graph:

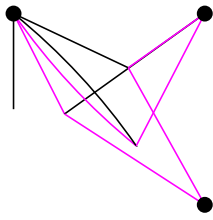
$$\begin{array}{cccc}
V1 & 1 & V2 & V1 \\
V2 & 2 & 2 & A0 \\
& 2 & V3 & V3 & A0
\end{array}$$


$$\begin{aligned}
P_{76}^{(1)} = & -m_{000}^{(00)} m_{010}^{(01)} m_{111}^{(22)} + m_{000}^{(00)} m_{010}^{(01)} m_{102}^{(12)} + m_{000}^{(00)} m_{010}^{(02)} m_{120}^{(22)} - m_{000}^{(00)} m_{010}^{(02)} m_{111}^{(12)} \\
& + m_{000}^{(00)} m_{010}^{(11)} m_{201}^{(22)} - m_{000}^{(00)} m_{010}^{(11)} m_{102}^{(02)} - m_{000}^{(00)} m_{010}^{(12)} m_{210}^{(22)} + m_{000}^{(00)} m_{010}^{(12)} m_{111}^{(02)} \\
& - m_{000}^{(00)} m_{010}^{(21)} m_{201}^{(12)} + m_{000}^{(00)} m_{010}^{(21)} m_{111}^{(02)} + m_{000}^{(00)} m_{010}^{(22)} m_{210}^{(12)} - m_{000}^{(00)} m_{010}^{(22)} m_{120}^{(02)} \\
& + m_{000}^{(00)} m_{001}^{(01)} m_{111}^{(21)} - m_{000}^{(00)} m_{001}^{(01)} m_{102}^{(11)} - m_{000}^{(00)} m_{001}^{(02)} m_{120}^{(21)} + m_{000}^{(00)} m_{001}^{(02)} m_{111}^{(11)} \\
& - m_{000}^{(00)} m_{001}^{(11)} m_{201}^{(21)} + m_{000}^{(00)} m_{001}^{(11)} m_{102}^{(01)} + m_{000}^{(00)} m_{001}^{(12)} m_{210}^{(21)} - m_{000}^{(00)} m_{001}^{(12)} m_{111}^{(01)} \\
& + m_{000}^{(00)} m_{001}^{(21)} m_{201}^{(11)} - m_{000}^{(00)} m_{001}^{(21)} m_{111}^{(01)} - m_{000}^{(00)} m_{001}^{(22)} m_{210}^{(11)} + m_{000}^{(00)} m_{001}^{(22)} m_{120}^{(01)} \\
& + m_{000}^{(01)} m_{100}^{(01)} m_{111}^{(22)} - m_{000}^{(01)} m_{100}^{(01)} m_{102}^{(12)} - m_{000}^{(01)} m_{100}^{(02)} m_{120}^{(22)} + m_{000}^{(01)} m_{100}^{(02)} m_{111}^{(12)} \\
& - m_{000}^{(01)} m_{100}^{(11)} m_{201}^{(22)} + m_{000}^{(01)} m_{100}^{(11)} m_{102}^{(02)} + m_{000}^{(01)} m_{100}^{(12)} m_{210}^{(22)} - m_{000}^{(01)} m_{100}^{(12)} m_{111}^{(02)} \\
& + m_{000}^{(01)} m_{100}^{(21)} m_{201}^{(12)} - m_{000}^{(01)} m_{100}^{(21)} m_{111}^{(02)} - m_{000}^{(01)} m_{100}^{(22)} m_{210}^{(12)} + m_{000}^{(01)} m_{100}^{(22)} m_{120}^{(02)} \\
& - m_{000}^{(01)} m_{001}^{(01)} m_{111}^{(20)} + m_{000}^{(01)} m_{001}^{(01)} m_{102}^{(10)} + m_{000}^{(01)} m_{001}^{(02)} m_{120}^{(20)} - m_{000}^{(01)} m_{001}^{(02)} m_{111}^{(10)} \\
& + m_{000}^{(01)} m_{001}^{(11)} m_{201}^{(20)} - m_{000}^{(01)} m_{001}^{(11)} m_{102}^{(00)} - m_{000}^{(01)} m_{001}^{(12)} m_{210}^{(20)} + m_{000}^{(01)} m_{001}^{(12)} m_{111}^{(00)} \\
& - m_{000}^{(01)} m_{001}^{(21)} m_{201}^{(10)} + m_{000}^{(01)} m_{001}^{(21)} m_{111}^{(00)} + m_{000}^{(01)} m_{001}^{(22)} m_{210}^{(10)} - m_{000}^{(01)} m_{001}^{(22)} m_{120}^{(00)} \\
& - m_{000}^{(02)} m_{100}^{(01)} m_{111}^{(21)} + m_{000}^{(02)} m_{100}^{(01)} m_{102}^{(11)} + m_{000}^{(02)} m_{100}^{(02)} m_{120}^{(21)} - m_{000}^{(02)} m_{100}^{(02)} m_{111}^{(11)} \\
& + m_{000}^{(02)} m_{100}^{(11)} m_{201}^{(21)} - m_{000}^{(02)} m_{100}^{(11)} m_{102}^{(01)} - m_{000}^{(02)} m_{100}^{(12)} m_{210}^{(21)} + m_{000}^{(02)} m_{100}^{(12)} m_{111}^{(01)} \\
& - m_{000}^{(02)} m_{100}^{(21)} m_{201}^{(11)} + m_{000}^{(02)} m_{100}^{(21)} m_{111}^{(01)} + m_{000}^{(02)} m_{100}^{(22)} m_{210}^{(11)} - m_{000}^{(02)} m_{100}^{(22)} m_{120}^{(01)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(10)} m_{001}^{(20)} m_{102}^{(11)} + m_{000}^{(10)} m_{001}^{(20)} m_{012}^{(01)} + m_{000}^{(10)} m_{001}^{(22)} m_{201}^{(11)} - m_{000}^{(10)} m_{001}^{(22)} m_{111}^{(01)} \\
& -m_{000}^{(11)} m_{100}^{(00)} m_{012}^{(22)} + m_{000}^{(11)} m_{100}^{(00)} m_{003}^{(12)} + m_{000}^{(11)} m_{100}^{(02)} m_{111}^{(22)} - m_{000}^{(11)} m_{100}^{(02)} m_{102}^{(12)} \\
& + m_{000}^{(11)} m_{100}^{(10)} m_{102}^{(22)} - m_{000}^{(11)} m_{100}^{(10)} m_{003}^{(02)} - m_{000}^{(11)} m_{100}^{(12)} m_{201}^{(22)} + m_{000}^{(11)} m_{100}^{(12)} m_{102}^{(02)} \\
& -m_{000}^{(11)} m_{100}^{(20)} m_{102}^{(12)} + m_{000}^{(11)} m_{100}^{(20)} m_{012}^{(02)} + m_{000}^{(11)} m_{100}^{(22)} m_{201}^{(12)} - m_{000}^{(11)} m_{100}^{(22)} m_{111}^{(02)} \\
& + m_{000}^{(11)} m_{001}^{(00)} m_{012}^{(20)} - m_{000}^{(11)} m_{001}^{(00)} m_{003}^{(10)} - m_{000}^{(11)} m_{001}^{(02)} m_{111}^{(20)} + m_{000}^{(11)} m_{001}^{(02)} m_{102}^{(10)} \\
& -m_{000}^{(11)} m_{001}^{(10)} m_{102}^{(20)} + m_{000}^{(11)} m_{001}^{(10)} m_{003}^{(00)} + m_{000}^{(11)} m_{001}^{(12)} m_{201}^{(20)} - m_{000}^{(11)} m_{001}^{(12)} m_{102}^{(00)} \\
& + m_{000}^{(11)} m_{001}^{(20)} m_{102}^{(10)} - m_{000}^{(11)} m_{001}^{(20)} m_{012}^{(00)} - m_{000}^{(11)} m_{001}^{(22)} m_{201}^{(10)} + m_{000}^{(11)} m_{001}^{(22)} m_{111}^{(00)} \\
& + m_{000}^{(12)} m_{100}^{(00)} m_{012}^{(21)} - m_{000}^{(12)} m_{100}^{(00)} m_{003}^{(11)} - m_{000}^{(12)} m_{100}^{(02)} m_{111}^{(21)} + m_{000}^{(12)} m_{100}^{(02)} m_{102}^{(11)} \\
& -m_{000}^{(12)} m_{100}^{(10)} m_{102}^{(21)} + m_{000}^{(12)} m_{100}^{(10)} m_{003}^{(01)} + m_{000}^{(12)} m_{100}^{(12)} m_{201}^{(21)} - m_{000}^{(12)} m_{100}^{(12)} m_{102}^{(01)} \\
& + m_{000}^{(12)} m_{100}^{(20)} m_{102}^{(11)} - m_{000}^{(12)} m_{100}^{(20)} m_{012}^{(01)} - m_{000}^{(12)} m_{100}^{(22)} m_{201}^{(11)} + m_{000}^{(12)} m_{100}^{(22)} m_{111}^{(01)} \\
& -m_{000}^{(12)} m_{010}^{(00)} m_{012}^{(20)} + m_{000}^{(12)} m_{010}^{(00)} m_{003}^{(10)} + m_{000}^{(12)} m_{010}^{(02)} m_{111}^{(20)} - m_{000}^{(12)} m_{010}^{(02)} m_{102}^{(10)} \\
& + m_{000}^{(12)} m_{010}^{(10)} m_{102}^{(10)} - m_{000}^{(12)} m_{010}^{(10)} m_{003}^{(00)} - m_{000}^{(12)} m_{010}^{(12)} m_{201}^{(10)} + m_{000}^{(12)} m_{010}^{(12)} m_{102}^{(00)} \\
& -m_{000}^{(12)} m_{010}^{(20)} m_{102}^{(10)} + m_{000}^{(12)} m_{010}^{(20)} m_{012}^{(00)} + m_{000}^{(12)} m_{010}^{(22)} m_{201}^{(10)} - m_{000}^{(12)} m_{010}^{(22)} m_{111}^{(00)} \\
& -m_{000}^{(20)} m_{010}^{(00)} m_{021}^{(22)} + m_{000}^{(20)} m_{010}^{(00)} m_{012}^{(12)} + m_{000}^{(20)} m_{010}^{(01)} m_{111}^{(22)} - m_{000}^{(20)} m_{010}^{(01)} m_{102}^{(12)} \\
& + m_{000}^{(20)} m_{010}^{(10)} m_{111}^{(22)} - m_{000}^{(20)} m_{010}^{(10)} m_{012}^{(02)} - m_{000}^{(20)} m_{010}^{(11)} m_{201}^{(22)} + m_{000}^{(20)} m_{010}^{(11)} m_{102}^{(12)} \\
& -m_{000}^{(20)} m_{010}^{(12)} m_{111}^{(22)} + m_{000}^{(20)} m_{010}^{(12)} m_{021}^{(02)} + m_{000}^{(20)} m_{010}^{(21)} m_{201}^{(12)} - m_{000}^{(20)} m_{010}^{(21)} m_{111}^{(02)} \\
& + m_{000}^{(20)} m_{001}^{(00)} m_{021}^{(21)} - m_{000}^{(20)} m_{001}^{(00)} m_{012}^{(11)} - m_{000}^{(20)} m_{001}^{(01)} m_{111}^{(21)} + m_{000}^{(20)} m_{001}^{(01)} m_{102}^{(11)} \\
& -m_{000}^{(20)} m_{001}^{(10)} m_{111}^{(21)} + m_{000}^{(20)} m_{001}^{(10)} m_{012}^{(01)} + m_{000}^{(20)} m_{001}^{(11)} m_{201}^{(21)} - m_{000}^{(20)} m_{001}^{(11)} m_{102}^{(11)} \\
& + m_{000}^{(20)} m_{001}^{(20)} m_{111}^{(21)} - m_{000}^{(20)} m_{001}^{(20)} m_{021}^{(01)} - m_{000}^{(20)} m_{001}^{(21)} m_{201}^{(11)} + m_{000}^{(20)} m_{001}^{(21)} m_{111}^{(01)} \\
& + m_{000}^{(21)} m_{100}^{(00)} m_{021}^{(22)} - m_{000}^{(21)} m_{100}^{(00)} m_{012}^{(12)} - m_{000}^{(21)} m_{100}^{(01)} m_{111}^{(22)} + m_{000}^{(21)} m_{100}^{(01)} m_{102}^{(12)} \\
& -m_{000}^{(21)} m_{100}^{(10)} m_{111}^{(22)} + m_{000}^{(21)} m_{100}^{(10)} m_{012}^{(02)} + m_{000}^{(21)} m_{100}^{(11)} m_{201}^{(22)} - m_{000}^{(21)} m_{100}^{(11)} m_{102}^{(12)} \\
& + m_{000}^{(21)} m_{100}^{(20)} m_{111}^{(22)} - m_{000}^{(21)} m_{100}^{(20)} m_{021}^{(02)} - m_{000}^{(21)} m_{100}^{(21)} m_{201}^{(12)} + m_{000}^{(21)} m_{100}^{(21)} m_{111}^{(02)} \\
& -m_{000}^{(21)} m_{001}^{(00)} m_{021}^{(21)} + m_{000}^{(21)} m_{001}^{(00)} m_{012}^{(11)} + m_{000}^{(21)} m_{001}^{(01)} m_{111}^{(21)} - m_{000}^{(21)} m_{001}^{(01)} m_{102}^{(11)} \\
& + m_{000}^{(21)} m_{001}^{(10)} m_{111}^{(21)} - m_{000}^{(21)} m_{001}^{(10)} m_{012}^{(01)} - m_{000}^{(21)} m_{001}^{(11)} m_{201}^{(21)} + m_{000}^{(21)} m_{001}^{(11)} m_{102}^{(11)} \\
& -m_{000}^{(21)} m_{001}^{(20)} m_{111}^{(21)} + m_{000}^{(21)} m_{001}^{(20)} m_{021}^{(00)} + m_{000}^{(21)} m_{001}^{(21)} m_{201}^{(11)} - m_{000}^{(21)} m_{001}^{(21)} m_{111}^{(01)} \\
& -m_{000}^{(22)} m_{100}^{(00)} m_{021}^{(21)} + m_{000}^{(22)} m_{100}^{(00)} m_{012}^{(11)} + m_{000}^{(22)} m_{100}^{(01)} m_{111}^{(21)} - m_{000}^{(22)} m_{100}^{(01)} m_{102}^{(11)} \\
& + m_{000}^{(22)} m_{100}^{(10)} m_{111}^{(21)} - m_{000}^{(22)} m_{100}^{(10)} m_{012}^{(01)} - m_{000}^{(22)} m_{100}^{(11)} m_{201}^{(21)} + m_{000}^{(22)} m_{100}^{(11)} m_{102}^{(11)} \\
& -m_{000}^{(22)} m_{100}^{(20)} m_{111}^{(21)} + m_{000}^{(22)} m_{100}^{(20)} m_{021}^{(01)} + m_{000}^{(22)} m_{100}^{(21)} m_{201}^{(11)} - m_{000}^{(22)} m_{100}^{(21)} m_{111}^{(01)} \\
& + m_{000}^{(22)} m_{010}^{(00)} m_{021}^{(20)} - m_{000}^{(22)} m_{010}^{(00)} m_{012}^{(10)} - m_{000}^{(22)} m_{010}^{(01)} m_{111}^{(20)} + m_{000}^{(22)} m_{010}^{(01)} m_{102}^{(10)} \\
& -m_{000}^{(22)} m_{010}^{(10)} m_{111}^{(20)} + m_{000}^{(22)} m_{010}^{(10)} m_{012}^{(00)} + m_{000}^{(22)} m_{010}^{(11)} m_{201}^{(20)} - m_{000}^{(22)} m_{010}^{(11)} m_{102}^{(10)} \\
& + m_{000}^{(22)} m_{010}^{(20)} m_{111}^{(20)} - m_{000}^{(22)} m_{010}^{(20)} m_{021}^{(00)} - m_{000}^{(22)} m_{010}^{(21)} m_{201}^{(10)} + m_{000}^{(22)} m_{010}^{(21)} m_{111}^{(00)}
\end{aligned}$$

Generating graph:

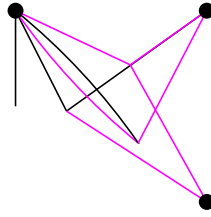
$$\begin{array}{cccc}
V1 & 1 & V1 & 1 \\
& 1 & V2 & 2 \ A0 \\
V2 & V3 & V3 & A0
\end{array}$$



$$\begin{aligned}
& +m_{000}^{(21)} m_{001}^{(10)} m_{201}^{(21)} - m_{000}^{(21)} m_{001}^{(10)} m_{102}^{(01)} - m_{000}^{(21)} m_{001}^{(11)} m_{201}^{(20)} + m_{000}^{(21)} m_{001}^{(11)} m_{102}^{(00)} \\
& - m_{000}^{(21)} m_{001}^{(20)} m_{201}^{(11)} + m_{000}^{(21)} m_{001}^{(20)} m_{111}^{(01)} + m_{000}^{(21)} m_{001}^{(21)} m_{201}^{(10)} - m_{000}^{(21)} m_{001}^{(21)} m_{111}^{(00)} \\
& - m_{000}^{(22)} m_{100}^{(00)} m_{021}^{(21)} + m_{000}^{(22)} m_{100}^{(00)} m_{012}^{(11)} + m_{000}^{(22)} m_{100}^{(01)} m_{021}^{(20)} - m_{000}^{(22)} m_{100}^{(01)} m_{012}^{(10)} \\
& + m_{000}^{(22)} m_{100}^{(10)} m_{111}^{(21)} - m_{000}^{(22)} m_{100}^{(10)} m_{012}^{(01)} - m_{000}^{(22)} m_{100}^{(11)} m_{111}^{(20)} + m_{000}^{(22)} m_{100}^{(11)} m_{012}^{(00)} \\
& - m_{000}^{(22)} m_{100}^{(20)} m_{111}^{(11)} + m_{000}^{(22)} m_{100}^{(20)} m_{021}^{(01)} + m_{000}^{(22)} m_{100}^{(21)} m_{111}^{(10)} - m_{000}^{(22)} m_{100}^{(21)} m_{021}^{(00)} \\
& + m_{000}^{(22)} m_{010}^{(00)} m_{111}^{(21)} - m_{000}^{(22)} m_{010}^{(00)} m_{102}^{(11)} - m_{000}^{(22)} m_{010}^{(01)} m_{111}^{(20)} + m_{000}^{(22)} m_{010}^{(01)} m_{102}^{(00)} \\
& - m_{000}^{(22)} m_{010}^{(10)} m_{201}^{(21)} + m_{000}^{(22)} m_{010}^{(10)} m_{102}^{(01)} + m_{000}^{(22)} m_{010}^{(11)} m_{201}^{(20)} - m_{000}^{(22)} m_{010}^{(11)} m_{102}^{(00)} \\
& + m_{000}^{(22)} m_{010}^{(20)} m_{111}^{(11)} - m_{000}^{(22)} m_{010}^{(20)} m_{111}^{(01)} - m_{000}^{(22)} m_{010}^{(21)} m_{201}^{(10)} + m_{000}^{(22)} m_{010}^{(21)} m_{111}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & 1 & 1 \\
& 1 & V2 & 2 \ A0 \\
V2 & V3 & V3 & A0
\end{array}$$

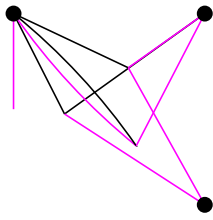


$$\begin{aligned}
P_{78}^{(1)} = & -m_{000}^{(00)} m_{010}^{(01)} m_{012}^{(20)} + m_{000}^{(00)} m_{010}^{(01)} m_{003}^{(10)} + m_{000}^{(00)} m_{010}^{(02)} m_{021}^{(20)} - m_{000}^{(00)} m_{010}^{(02)} m_{012}^{(10)} \\
& + m_{000}^{(00)} m_{010}^{(11)} m_{102}^{(20)} - m_{000}^{(00)} m_{010}^{(11)} m_{003}^{(00)} - m_{000}^{(00)} m_{010}^{(12)} m_{111}^{(20)} + m_{000}^{(00)} m_{010}^{(12)} m_{012}^{(00)} \\
& - m_{000}^{(00)} m_{010}^{(21)} m_{102}^{(10)} + m_{000}^{(00)} m_{010}^{(21)} m_{012}^{(00)} + m_{000}^{(00)} m_{010}^{(22)} m_{111}^{(10)} - m_{000}^{(00)} m_{010}^{(22)} m_{021}^{(00)} \\
& + m_{000}^{(00)} m_{001}^{(01)} m_{021}^{(20)} - m_{000}^{(00)} m_{001}^{(01)} m_{012}^{(10)} - m_{000}^{(00)} m_{001}^{(02)} m_{030}^{(20)} + m_{000}^{(00)} m_{001}^{(02)} m_{021}^{(10)} \\
& - m_{000}^{(00)} m_{001}^{(11)} m_{111}^{(20)} + m_{000}^{(00)} m_{001}^{(11)} m_{012}^{(00)} + m_{000}^{(00)} m_{001}^{(12)} m_{120}^{(20)} - m_{000}^{(00)} m_{001}^{(12)} m_{021}^{(00)} \\
& + m_{000}^{(00)} m_{001}^{(21)} m_{111}^{(10)} - m_{000}^{(00)} m_{001}^{(21)} m_{021}^{(00)} - m_{000}^{(00)} m_{001}^{(22)} m_{10}^{(10)} + m_{000}^{(00)} m_{001}^{(22)} m_{030}^{(00)} \\
& + m_{000}^{(01)} m_{100}^{(01)} m_{012}^{(20)} - m_{000}^{(01)} m_{100}^{(01)} m_{003}^{(10)} - m_{000}^{(01)} m_{100}^{(02)} m_{021}^{(20)} + m_{000}^{(01)} m_{100}^{(02)} m_{012}^{(10)} \\
& - m_{000}^{(01)} m_{100}^{(11)} m_{102}^{(20)} + m_{000}^{(01)} m_{100}^{(11)} m_{003}^{(00)} + m_{000}^{(01)} m_{100}^{(12)} m_{111}^{(10)} - m_{000}^{(01)} m_{100}^{(12)} m_{012}^{(00)} \\
& + m_{000}^{(01)} m_{100}^{(21)} m_{102}^{(10)} - m_{000}^{(01)} m_{100}^{(21)} m_{012}^{(00)} - m_{000}^{(01)} m_{100}^{(22)} m_{111}^{(10)} + m_{000}^{(01)} m_{100}^{(22)} m_{021}^{(00)} \\
& - m_{000}^{(01)} m_{001}^{(01)} m_{111}^{(20)} + m_{000}^{(01)} m_{001}^{(01)} m_{102}^{(10)} + m_{000}^{(01)} m_{001}^{(02)} m_{120}^{(20)} - m_{000}^{(01)} m_{001}^{(02)} m_{111}^{(10)} \\
& + m_{000}^{(01)} m_{001}^{(11)} m_{201}^{(20)} - m_{000}^{(01)} m_{001}^{(11)} m_{102}^{(00)} - m_{000}^{(01)} m_{001}^{(12)} m_{210}^{(20)} + m_{000}^{(01)} m_{001}^{(12)} m_{111}^{(10)} \\
& - m_{000}^{(01)} m_{001}^{(21)} m_{10}^{(10)} + m_{000}^{(01)} m_{001}^{(21)} m_{111}^{(00)} + m_{000}^{(01)} m_{001}^{(22)} m_{210}^{(10)} - m_{000}^{(01)} m_{001}^{(22)} m_{120}^{(00)} \\
& - m_{000}^{(02)} m_{100}^{(01)} m_{021}^{(20)} + m_{000}^{(02)} m_{100}^{(01)} m_{012}^{(10)} + m_{000}^{(02)} m_{100}^{(02)} m_{030}^{(20)} - m_{000}^{(02)} m_{100}^{(02)} m_{021}^{(10)} \\
& + m_{000}^{(02)} m_{100}^{(11)} m_{111}^{(20)} - m_{000}^{(02)} m_{100}^{(11)} m_{012}^{(00)} - m_{000}^{(02)} m_{100}^{(12)} m_{120}^{(20)} + m_{000}^{(02)} m_{100}^{(12)} m_{021}^{(00)} \\
& - m_{000}^{(02)} m_{100}^{(21)} m_{111}^{(10)} + m_{000}^{(02)} m_{100}^{(21)} m_{021}^{(00)} + m_{000}^{(02)} m_{100}^{(22)} m_{10}^{(10)} - m_{000}^{(02)} m_{100}^{(22)} m_{030}^{(00)}
\end{aligned}$$

$$\begin{aligned}
& -m_{000}^{(10)} m_{001}^{(20)} m_{111}^{(12)} + m_{000}^{(10)} m_{001}^{(20)} m_{021}^{(02)} + m_{000}^{(10)} m_{001}^{(22)} m_{210}^{(12)} - m_{000}^{(10)} m_{001}^{(22)} m_{120}^{(02)} \\
& -m_{000}^{(11)} m_{100}^{(00)} m_{012}^{(22)} + m_{000}^{(11)} m_{100}^{(00)} m_{003}^{(12)} + m_{000}^{(11)} m_{100}^{(02)} m_{111}^{(22)} - m_{000}^{(11)} m_{100}^{(02)} m_{102}^{(12)} \\
& + m_{000}^{(11)} m_{100}^{(10)} m_{102}^{(22)} - m_{000}^{(11)} m_{100}^{(10)} m_{003}^{(02)} - m_{000}^{(11)} m_{100}^{(12)} m_{201}^{(22)} + m_{000}^{(11)} m_{100}^{(12)} m_{102}^{(02)} \\
& -m_{000}^{(11)} m_{100}^{(20)} m_{102}^{(12)} + m_{000}^{(11)} m_{100}^{(20)} m_{012}^{(02)} + m_{000}^{(11)} m_{100}^{(22)} m_{201}^{(12)} - m_{000}^{(11)} m_{100}^{(22)} m_{111}^{(02)} \\
& + m_{000}^{(11)} m_{001}^{(00)} m_{111}^{(22)} - m_{000}^{(11)} m_{001}^{(00)} m_{102}^{(12)} - m_{000}^{(11)} m_{001}^{(02)} m_{210}^{(22)} + m_{000}^{(11)} m_{001}^{(02)} m_{201}^{(12)} \\
& -m_{000}^{(11)} m_{001}^{(10)} m_{201}^{(22)} + m_{000}^{(11)} m_{001}^{(10)} m_{102}^{(02)} + m_{000}^{(11)} m_{001}^{(12)} m_{300}^{(22)} - m_{000}^{(11)} m_{001}^{(12)} m_{201}^{(02)} \\
& + m_{000}^{(11)} m_{001}^{(20)} m_{201}^{(12)} - m_{000}^{(11)} m_{001}^{(20)} m_{111}^{(02)} - m_{000}^{(11)} m_{001}^{(22)} m_{300}^{(12)} + m_{000}^{(11)} m_{001}^{(22)} m_{210}^{(02)} \\
& + m_{000}^{(12)} m_{100}^{(00)} m_{021}^{(22)} - m_{000}^{(12)} m_{100}^{(00)} m_{012}^{(12)} - m_{000}^{(12)} m_{100}^{(02)} m_{120}^{(22)} + m_{000}^{(12)} m_{100}^{(02)} m_{111}^{(12)} \\
& -m_{000}^{(12)} m_{100}^{(10)} m_{111}^{(22)} + m_{000}^{(12)} m_{100}^{(10)} m_{012}^{(02)} + m_{000}^{(12)} m_{100}^{(12)} m_{210}^{(22)} - m_{000}^{(12)} m_{100}^{(12)} m_{111}^{(02)} \\
& + m_{000}^{(12)} m_{100}^{(20)} m_{111}^{(12)} - m_{000}^{(12)} m_{100}^{(20)} m_{021}^{(02)} - m_{000}^{(12)} m_{100}^{(22)} m_{210}^{(12)} + m_{000}^{(12)} m_{100}^{(22)} m_{120}^{(02)} \\
& -m_{000}^{(12)} m_{010}^{(00)} m_{111}^{(22)} + m_{000}^{(12)} m_{010}^{(00)} m_{102}^{(12)} + m_{000}^{(12)} m_{010}^{(02)} m_{210}^{(22)} - m_{000}^{(12)} m_{010}^{(02)} m_{201}^{(12)} \\
& + m_{000}^{(12)} m_{010}^{(10)} m_{201}^{(12)} - m_{000}^{(12)} m_{010}^{(10)} m_{102}^{(02)} - m_{000}^{(12)} m_{010}^{(12)} m_{300}^{(22)} + m_{000}^{(12)} m_{010}^{(12)} m_{201}^{(02)} \\
& -m_{000}^{(12)} m_{010}^{(20)} m_{201}^{(12)} + m_{000}^{(12)} m_{010}^{(20)} m_{111}^{(02)} + m_{000}^{(12)} m_{010}^{(22)} m_{300}^{(12)} - m_{000}^{(12)} m_{010}^{(22)} m_{210}^{(02)} \\
& -m_{000}^{(20)} m_{010}^{(00)} m_{021}^{(22)} + m_{000}^{(20)} m_{010}^{(00)} m_{012}^{(12)} + m_{000}^{(20)} m_{010}^{(01)} m_{111}^{(22)} - m_{000}^{(20)} m_{010}^{(01)} m_{102}^{(12)} \\
& + m_{000}^{(20)} m_{010}^{(10)} m_{111}^{(22)} - m_{000}^{(20)} m_{010}^{(10)} m_{012}^{(02)} - m_{000}^{(20)} m_{010}^{(11)} m_{201}^{(22)} + m_{000}^{(20)} m_{010}^{(11)} m_{102}^{(12)} \\
& -m_{000}^{(20)} m_{010}^{(20)} m_{111}^{(12)} + m_{000}^{(20)} m_{010}^{(20)} m_{021}^{(02)} + m_{000}^{(20)} m_{010}^{(21)} m_{201}^{(12)} - m_{000}^{(20)} m_{010}^{(21)} m_{111}^{(02)} \\
& + m_{000}^{(20)} m_{001}^{(00)} m_{030}^{(22)} - m_{000}^{(20)} m_{001}^{(00)} m_{021}^{(12)} - m_{000}^{(20)} m_{001}^{(01)} m_{120}^{(22)} + m_{000}^{(20)} m_{001}^{(01)} m_{111}^{(12)} \\
& -m_{000}^{(20)} m_{001}^{(10)} m_{120}^{(22)} + m_{000}^{(20)} m_{001}^{(10)} m_{021}^{(02)} + m_{000}^{(20)} m_{001}^{(11)} m_{210}^{(22)} - m_{000}^{(20)} m_{001}^{(11)} m_{111}^{(12)} \\
& + m_{000}^{(20)} m_{001}^{(20)} m_{120}^{(12)} - m_{000}^{(20)} m_{001}^{(20)} m_{030}^{(02)} - m_{000}^{(20)} m_{001}^{(21)} m_{210}^{(12)} + m_{000}^{(20)} m_{001}^{(21)} m_{120}^{(02)} \\
& + m_{000}^{(21)} m_{100}^{(00)} m_{021}^{(22)} - m_{000}^{(21)} m_{100}^{(00)} m_{012}^{(12)} - m_{000}^{(21)} m_{100}^{(01)} m_{111}^{(22)} + m_{000}^{(21)} m_{100}^{(01)} m_{102}^{(12)} \\
& -m_{000}^{(21)} m_{100}^{(10)} m_{111}^{(22)} + m_{000}^{(21)} m_{100}^{(10)} m_{012}^{(02)} + m_{000}^{(21)} m_{100}^{(11)} m_{201}^{(22)} - m_{000}^{(21)} m_{100}^{(11)} m_{102}^{(12)} \\
& + m_{000}^{(21)} m_{100}^{(20)} m_{111}^{(12)} - m_{000}^{(21)} m_{100}^{(20)} m_{021}^{(02)} - m_{000}^{(21)} m_{100}^{(21)} m_{201}^{(12)} + m_{000}^{(21)} m_{100}^{(21)} m_{111}^{(02)} \\
& -m_{000}^{(21)} m_{001}^{(00)} m_{120}^{(22)} + m_{000}^{(21)} m_{001}^{(00)} m_{111}^{(12)} + m_{000}^{(21)} m_{001}^{(01)} m_{210}^{(22)} - m_{000}^{(21)} m_{001}^{(01)} m_{201}^{(12)} \\
& + m_{000}^{(21)} m_{001}^{(10)} m_{210}^{(12)} - m_{000}^{(21)} m_{001}^{(10)} m_{111}^{(02)} - m_{000}^{(21)} m_{001}^{(11)} m_{300}^{(22)} + m_{000}^{(21)} m_{001}^{(11)} m_{201}^{(12)} \\
& -m_{000}^{(21)} m_{001}^{(20)} m_{210}^{(12)} + m_{000}^{(21)} m_{001}^{(20)} m_{120}^{(02)} + m_{000}^{(21)} m_{001}^{(21)} m_{300}^{(12)} - m_{000}^{(21)} m_{001}^{(21)} m_{210}^{(02)} \\
& -m_{000}^{(22)} m_{100}^{(00)} m_{030}^{(22)} + m_{000}^{(22)} m_{100}^{(00)} m_{021}^{(12)} + m_{000}^{(22)} m_{100}^{(01)} m_{120}^{(22)} - m_{000}^{(22)} m_{100}^{(01)} m_{111}^{(12)} \\
& + m_{000}^{(22)} m_{100}^{(10)} m_{120}^{(12)} - m_{000}^{(22)} m_{100}^{(10)} m_{021}^{(02)} - m_{000}^{(22)} m_{100}^{(11)} m_{210}^{(12)} + m_{000}^{(22)} m_{100}^{(11)} m_{111}^{(02)} \\
& -m_{000}^{(22)} m_{100}^{(20)} m_{120}^{(12)} + m_{000}^{(22)} m_{100}^{(20)} m_{030}^{(02)} + m_{000}^{(22)} m_{100}^{(21)} m_{210}^{(12)} - m_{000}^{(22)} m_{100}^{(21)} m_{120}^{(02)} \\
& + m_{000}^{(22)} m_{010}^{(00)} m_{120}^{(22)} - m_{000}^{(22)} m_{010}^{(00)} m_{111}^{(12)} - m_{000}^{(22)} m_{010}^{(01)} m_{210}^{(12)} + m_{000}^{(22)} m_{010}^{(01)} m_{201}^{(12)} \\
& -m_{000}^{(22)} m_{010}^{(10)} m_{210}^{(12)} + m_{000}^{(22)} m_{010}^{(10)} m_{111}^{(02)} + m_{000}^{(22)} m_{010}^{(11)} m_{300}^{(22)} - m_{000}^{(22)} m_{010}^{(11)} m_{201}^{(12)} \\
& + m_{000}^{(22)} m_{010}^{(20)} m_{210}^{(12)} - m_{000}^{(22)} m_{010}^{(20)} m_{120}^{(02)} - m_{000}^{(22)} m_{010}^{(21)} m_{300}^{(12)} + m_{000}^{(22)} m_{010}^{(21)} m_{210}^{(02)}
\end{aligned}$$

Generating graph:

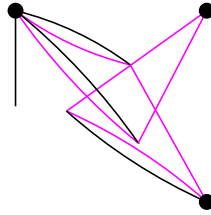
$$\begin{array}{cccc}
V1 & 1 & 1 & V1 \\
& 1 & V2 & 2 & A0 \\
V2 & V3 & V3 & A0
\end{array}$$



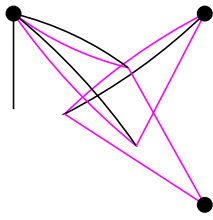
$$\begin{aligned}
& +m_{000}^{(21)} m_{001}^{(10)} m_{201}^{(12)} - m_{000}^{(21)} m_{001}^{(10)} m_{111}^{(02)} - m_{000}^{(21)} m_{001}^{(10)} m_{102}^{(10)} + m_{000}^{(21)} m_{001}^{(10)} m_{012}^{(00)} \\
& - m_{000}^{(21)} m_{001}^{(20)} m_{201}^{(11)} + m_{000}^{(21)} m_{001}^{(20)} m_{111}^{(01)} + m_{000}^{(21)} m_{001}^{(20)} m_{111}^{(10)} - m_{000}^{(21)} m_{001}^{(20)} m_{021}^{(00)} \\
& - m_{000}^{(22)} m_{100}^{(01)} m_{111}^{(12)} + m_{000}^{(22)} m_{100}^{(01)} m_{102}^{(11)} + m_{000}^{(22)} m_{100}^{(01)} m_{021}^{(02)} - m_{000}^{(22)} m_{100}^{(01)} m_{012}^{(01)} \\
& + m_{000}^{(22)} m_{100}^{(11)} m_{201}^{(12)} - m_{000}^{(22)} m_{100}^{(11)} m_{111}^{(02)} - m_{000}^{(22)} m_{100}^{(11)} m_{102}^{(10)} + m_{000}^{(22)} m_{100}^{(11)} m_{012}^{(00)} \\
& - m_{000}^{(22)} m_{100}^{(21)} m_{201}^{(11)} + m_{000}^{(22)} m_{100}^{(21)} m_{111}^{(01)} + m_{000}^{(22)} m_{100}^{(21)} m_{111}^{(10)} - m_{000}^{(22)} m_{100}^{(21)} m_{021}^{(00)} \\
& + m_{000}^{(22)} m_{010}^{(00)} m_{111}^{(12)} - m_{000}^{(22)} m_{010}^{(00)} m_{102}^{(11)} - m_{000}^{(22)} m_{010}^{(00)} m_{021}^{(02)} + m_{000}^{(22)} m_{010}^{(00)} m_{012}^{(01)} \\
& - m_{000}^{(22)} m_{010}^{(10)} m_{201}^{(12)} + m_{000}^{(22)} m_{010}^{(10)} m_{111}^{(02)} + m_{000}^{(22)} m_{010}^{(10)} m_{102}^{(10)} - m_{000}^{(22)} m_{010}^{(10)} m_{012}^{(00)} \\
& + m_{000}^{(22)} m_{010}^{(20)} m_{201}^{(11)} - m_{000}^{(22)} m_{010}^{(20)} m_{111}^{(01)} - m_{000}^{(22)} m_{010}^{(20)} m_{111}^{(10)} + m_{000}^{(22)} m_{010}^{(20)} m_{021}^{(00)}
\end{aligned}$$

Generating graph:

$$\begin{array}{cccc}
V1 & V1 & V2 & 1 \\
& 1 & 1 & V3 & A0 \\
V2 & V3 & 3 & A0
\end{array}$$



$$\begin{aligned}
P_{80}^{(1)} = & -m_{000}^{(00)} m_{010}^{(02)} m_{120}^{(22)} + m_{000}^{(00)} m_{010}^{(02)} m_{111}^{(12)} + m_{000}^{(00)} m_{010}^{(02)} m_{111}^{(21)} - m_{000}^{(00)} m_{010}^{(02)} m_{102}^{(11)} \\
& + m_{000}^{(00)} m_{010}^{(12)} m_{210}^{(22)} - m_{000}^{(00)} m_{010}^{(12)} m_{201}^{(21)} - m_{000}^{(00)} m_{010}^{(12)} m_{111}^{(02)} + m_{000}^{(00)} m_{010}^{(12)} m_{102}^{(01)} \\
& - m_{000}^{(00)} m_{010}^{(22)} m_{210}^{(12)} + m_{000}^{(00)} m_{010}^{(22)} m_{201}^{(11)} + m_{000}^{(00)} m_{010}^{(22)} m_{120}^{(02)} - m_{000}^{(00)} m_{010}^{(22)} m_{111}^{(01)} \\
& + m_{000}^{(00)} m_{001}^{(01)} m_{120}^{(22)} - m_{000}^{(00)} m_{001}^{(01)} m_{111}^{(12)} - m_{000}^{(00)} m_{001}^{(01)} m_{111}^{(21)} + m_{000}^{(00)} m_{001}^{(01)} m_{102}^{(11)} \\
& - m_{000}^{(00)} m_{001}^{(11)} m_{210}^{(22)} + m_{000}^{(00)} m_{001}^{(11)} m_{201}^{(21)} + m_{000}^{(00)} m_{001}^{(11)} m_{111}^{(02)} - m_{000}^{(00)} m_{001}^{(11)} m_{102}^{(01)} \\
& + m_{000}^{(00)} m_{001}^{(21)} m_{210}^{(12)} - m_{000}^{(00)} m_{001}^{(21)} m_{201}^{(11)} - m_{000}^{(00)} m_{001}^{(21)} m_{120}^{(02)} + m_{000}^{(00)} m_{001}^{(21)} m_{111}^{(01)} \\
& + m_{000}^{(01)} m_{100}^{(02)} m_{120}^{(22)} - m_{000}^{(01)} m_{100}^{(02)} m_{111}^{(12)} - m_{000}^{(01)} m_{100}^{(02)} m_{111}^{(21)} + m_{000}^{(01)} m_{100}^{(02)} m_{102}^{(11)} \\
& - m_{000}^{(01)} m_{100}^{(12)} m_{210}^{(22)} + m_{000}^{(01)} m_{100}^{(12)} m_{201}^{(21)} + m_{000}^{(01)} m_{100}^{(12)} m_{111}^{(02)} - m_{000}^{(01)} m_{100}^{(12)} m_{102}^{(01)} \\
& + m_{000}^{(01)} m_{100}^{(22)} m_{210}^{(12)} - m_{000}^{(01)} m_{100}^{(22)} m_{201}^{(11)} - m_{000}^{(01)} m_{100}^{(22)} m_{120}^{(02)} + m_{000}^{(01)} m_{100}^{(22)} m_{111}^{(01)} \\
& - m_{000}^{(01)} m_{001}^{(00)} m_{120}^{(22)} + m_{000}^{(01)} m_{001}^{(00)} m_{111}^{(12)} + m_{000}^{(01)} m_{001}^{(00)} m_{111}^{(21)} - m_{000}^{(01)} m_{001}^{(00)} m_{102}^{(11)} \\
& + m_{000}^{(01)} m_{001}^{(10)} m_{210}^{(22)} - m_{000}^{(01)} m_{001}^{(10)} m_{201}^{(21)} - m_{000}^{(01)} m_{001}^{(10)} m_{111}^{(02)} + m_{000}^{(01)} m_{001}^{(10)} m_{102}^{(01)} \\
& - m_{000}^{(01)} m_{001}^{(20)} m_{210}^{(12)} + m_{000}^{(01)} m_{001}^{(20)} m_{201}^{(11)} + m_{000}^{(01)} m_{001}^{(20)} m_{120}^{(02)} - m_{000}^{(01)} m_{001}^{(20)} m_{111}^{(01)} \\
& - m_{000}^{(02)} m_{100}^{(01)} m_{120}^{(22)} + m_{000}^{(02)} m_{100}^{(01)} m_{111}^{(12)} + m_{000}^{(02)} m_{100}^{(01)} m_{111}^{(21)} - m_{000}^{(02)} m_{100}^{(01)} m_{102}^{(11)} \\
& + m_{000}^{(02)} m_{100}^{(11)} m_{210}^{(22)} - m_{000}^{(02)} m_{100}^{(11)} m_{201}^{(21)} - m_{000}^{(02)} m_{100}^{(11)} m_{120}^{(02)} + m_{000}^{(02)} m_{100}^{(11)} m_{111}^{(01)} \\
& - m_{000}^{(02)} m_{100}^{(21)} m_{210}^{(12)} + m_{000}^{(02)} m_{100}^{(21)} m_{201}^{(11)} + m_{000}^{(02)} m_{100}^{(21)} m_{120}^{(02)} - m_{000}^{(02)} m_{100}^{(21)} m_{111}^{(01)}
\end{aligned}$$



$$\begin{aligned}
P_{81}^{(1)} = & -m_{200}^{(01)} m_{121}^{(22)} + m_{200}^{(01)} m_{112}^{(12)} + m_{200}^{(01)} m_{112}^{(21)} - m_{200}^{(01)} m_{103}^{(11)} + m_{200}^{(02)} m_{130}^{(22)} - m_{200}^{(02)} m_{121}^{(12)} \\
& -m_{200}^{(02)} m_{121}^{(21)} + m_{200}^{(02)} m_{112}^{(11)} + m_{200}^{(11)} m_{211}^{(22)} - m_{200}^{(11)} m_{202}^{(21)} - m_{200}^{(11)} m_{112}^{(02)} + m_{200}^{(11)} m_{103}^{(01)} \\
& -m_{200}^{(12)} m_{220}^{(22)} + m_{200}^{(12)} m_{211}^{(21)} + m_{200}^{(12)} m_{121}^{(02)} - m_{200}^{(12)} m_{112}^{(01)} - m_{200}^{(21)} m_{211}^{(12)} + m_{200}^{(21)} m_{202}^{(11)} \\
& + m_{200}^{(21)} m_{121}^{(02)} - m_{200}^{(21)} m_{112}^{(01)} + m_{200}^{(22)} m_{220}^{(12)} - m_{200}^{(22)} m_{211}^{(11)} - m_{200}^{(22)} m_{130}^{(02)} + m_{200}^{(22)} m_{121}^{(01)} \\
& + m_{110}^{(00)} m_{121}^{(22)} - m_{110}^{(00)} m_{112}^{(12)} - m_{110}^{(00)} m_{112}^{(21)} + m_{110}^{(00)} m_{103}^{(11)} + m_{110}^{(01)} m_{211}^{(22)} - m_{110}^{(01)} m_{202}^{(12)} \\
& - m_{110}^{(01)} m_{112}^{(20)} + m_{110}^{(01)} m_{103}^{(10)} - 2m_{110}^{(02)} m_{220}^{(22)} + 2m_{110}^{(02)} m_{211}^{(12)} + m_{110}^{(02)} m_{211}^{(21)} - m_{110}^{(02)} m_{202}^{(11)} \\
& + m_{110}^{(02)} m_{121}^{(20)} - m_{110}^{(02)} m_{112}^{(10)} - m_{110}^{(10)} m_{211}^{(22)} + m_{110}^{(10)} m_{202}^{(21)} + m_{110}^{(10)} m_{112}^{(02)} - m_{110}^{(10)} m_{103}^{(01)} \\
& - m_{110}^{(11)} m_{301}^{(22)} + m_{110}^{(11)} m_{202}^{(02)} + m_{110}^{(11)} m_{202}^{(20)} - m_{110}^{(11)} m_{103}^{(00)} + 2m_{110}^{(12)} m_{310}^{(22)} - m_{110}^{(12)} m_{301}^{(21)} \\
& - 2m_{110}^{(12)} m_{211}^{(02)} - m_{110}^{(12)} m_{211}^{(20)} + m_{110}^{(12)} m_{202}^{(01)} + m_{110}^{(12)} m_{112}^{(00)} + m_{110}^{(20)} m_{211}^{(12)} - m_{110}^{(20)} m_{202}^{(11)} \\
& - m_{110}^{(20)} m_{121}^{(02)} + m_{110}^{(20)} m_{112}^{(01)} + m_{110}^{(21)} m_{301}^{(01)} - m_{110}^{(21)} m_{211}^{(02)} - m_{110}^{(21)} m_{202}^{(01)} + m_{110}^{(21)} m_{112}^{(00)} \\
& - 2m_{110}^{(22)} m_{310}^{(12)} + m_{110}^{(22)} m_{301}^{(11)} + 2m_{110}^{(22)} m_{220}^{(02)} - m_{110}^{(22)} m_{211}^{(01)} + m_{110}^{(22)} m_{211}^{(10)} - m_{110}^{(22)} m_{121}^{(00)} \\
& - m_{101}^{(00)} m_{130}^{(22)} + m_{101}^{(00)} m_{121}^{(12)} + m_{101}^{(00)} m_{121}^{(21)} - m_{101}^{(00)} m_{112}^{(11)} + m_{101}^{(01)} m_{220}^{(22)} - m_{101}^{(01)} m_{211}^{(12)} \\
& - 2m_{101}^{(01)} m_{211}^{(21)} + 2m_{101}^{(01)} m_{202}^{(11)} + m_{101}^{(01)} m_{121}^{(20)} - m_{101}^{(01)} m_{112}^{(10)} + m_{101}^{(02)} m_{220}^{(21)} - m_{101}^{(02)} m_{211}^{(11)} \\
& - m_{101}^{(02)} m_{130}^{(20)} + m_{101}^{(02)} m_{121}^{(10)} + m_{101}^{(10)} m_{220}^{(22)} - m_{101}^{(10)} m_{211}^{(21)} - m_{101}^{(10)} m_{121}^{(02)} + m_{101}^{(10)} m_{112}^{(01)} \\
& - m_{101}^{(11)} m_{310}^{(22)} + 2m_{101}^{(11)} m_{301}^{(21)} + m_{101}^{(11)} m_{211}^{(02)} - m_{101}^{(11)} m_{211}^{(20)} - 2m_{101}^{(11)} m_{202}^{(01)} + m_{101}^{(11)} m_{112}^{(00)} \\
& - m_{101}^{(12)} m_{310}^{(21)} + m_{101}^{(12)} m_{220}^{(20)} + m_{101}^{(12)} m_{211}^{(01)} - m_{101}^{(12)} m_{121}^{(00)} - m_{101}^{(20)} m_{220}^{(12)} + m_{101}^{(20)} m_{211}^{(11)} \\
& + m_{101}^{(20)} m_{130}^{(02)} - m_{101}^{(20)} m_{121}^{(01)} + m_{101}^{(21)} m_{310}^{(12)} - 2m_{101}^{(21)} m_{301}^{(11)} - m_{101}^{(21)} m_{220}^{(02)} + 2m_{101}^{(21)} m_{211}^{(01)} \\
& + m_{101}^{(21)} m_{211}^{(10)} - m_{101}^{(21)} m_{121}^{(00)} + m_{101}^{(22)} m_{310}^{(11)} - m_{101}^{(22)} m_{220}^{(01)} - m_{101}^{(22)} m_{220}^{(10)} + m_{101}^{(22)} m_{130}^{(00)} \\
& - m_{020}^{(00)} m_{211}^{(22)} + m_{020}^{(00)} m_{202}^{(12)} + m_{020}^{(00)} m_{112}^{(20)} - m_{020}^{(00)} m_{103}^{(10)} + m_{020}^{(02)} m_{310}^{(22)} - m_{020}^{(02)} m_{301}^{(12)} \\
& - m_{020}^{(02)} m_{211}^{(20)} + m_{020}^{(02)} m_{202}^{(10)} + m_{020}^{(10)} m_{301}^{(22)} - m_{020}^{(10)} m_{202}^{(02)} - m_{020}^{(10)} m_{202}^{(20)} + m_{020}^{(10)} m_{103}^{(00)} \\
& - m_{020}^{(12)} m_{400}^{(22)} + m_{020}^{(12)} m_{301}^{(02)} + m_{020}^{(12)} m_{301}^{(20)} - m_{020}^{(12)} m_{202}^{(00)} - m_{020}^{(20)} m_{301}^{(12)} + m_{020}^{(20)} m_{211}^{(02)} \\
& + m_{020}^{(20)} m_{202}^{(10)} - m_{020}^{(20)} m_{112}^{(00)} + m_{020}^{(22)} m_{400}^{(12)} - m_{020}^{(22)} m_{310}^{(02)} - m_{020}^{(22)} m_{301}^{(10)} + m_{020}^{(22)} m_{211}^{(00)} \\
& + m_{011}^{(00)} m_{220}^{(22)} - m_{011}^{(00)} m_{211}^{(12)} + m_{011}^{(00)} m_{211}^{(21)} - m_{011}^{(00)} m_{202}^{(11)} - 2m_{011}^{(00)} m_{121}^{(20)} + 2m_{011}^{(00)} m_{112}^{(10)} \\
& - m_{011}^{(01)} m_{310}^{(22)} + m_{011}^{(01)} m_{301}^{(02)} + m_{011}^{(01)} m_{211}^{(20)} - m_{011}^{(01)} m_{202}^{(10)} - m_{011}^{(02)} m_{310}^{(21)} + m_{011}^{(02)} m_{301}^{(11)} \\
& + m_{011}^{(02)} m_{220}^{(20)} - m_{011}^{(02)} m_{211}^{(10)} - m_{011}^{(10)} m_{310}^{(22)} - m_{011}^{(10)} m_{301}^{(21)} + m_{011}^{(10)} m_{211}^{(02)} + 2m_{011}^{(10)} m_{211}^{(01)} \\
& + m_{011}^{(10)} m_{202}^{(01)} - 2m_{011}^{(10)} m_{112}^{(00)} + m_{011}^{(11)} m_{400}^{(22)} - m_{011}^{(11)} m_{301}^{(02)} - m_{011}^{(11)} m_{301}^{(10)} + m_{011}^{(11)} m_{202}^{(00)} \\
& + m_{011}^{(12)} m_{400}^{(21)} - m_{011}^{(12)} m_{310}^{(20)} - m_{011}^{(12)} m_{301}^{(01)} + m_{011}^{(12)} m_{211}^{(00)} + m_{011}^{(20)} m_{310}^{(12)} + m_{011}^{(20)} m_{301}^{(11)} \\
& - m_{011}^{(20)} m_{220}^{(02)} - m_{011}^{(20)} m_{211}^{(01)} - 2m_{011}^{(20)} m_{211}^{(10)} + 2m_{011}^{(20)} m_{121}^{(00)} - m_{011}^{(21)} m_{400}^{(12)} + m_{011}^{(21)} m_{310}^{(02)} \\
& + m_{011}^{(21)} m_{301}^{(10)} - m_{011}^{(21)} m_{211}^{(00)} - m_{011}^{(22)} m_{400}^{(01)} + m_{011}^{(22)} m_{310}^{(11)} + m_{011}^{(22)} m_{310}^{(10)} - m_{011}^{(22)} m_{220}^{(00)} \\
& - m_{002}^{(00)} m_{220}^{(21)} + m_{002}^{(00)} m_{211}^{(11)} + m_{002}^{(00)} m_{130}^{(20)} - m_{002}^{(00)} m_{121}^{(10)} + m_{002}^{(01)} m_{310}^{(21)} - m_{002}^{(01)} m_{301}^{(11)} \\
& - m_{002}^{(01)} m_{220}^{(20)} + m_{002}^{(01)} m_{211}^{(10)} + m_{002}^{(10)} m_{310}^{(21)} - m_{002}^{(10)} m_{220}^{(01)} - m_{002}^{(10)} m_{211}^{(01)} + m_{002}^{(10)} m_{121}^{(00)} \\
& - m_{002}^{(11)} m_{400}^{(21)} + m_{002}^{(11)} m_{310}^{(20)} + m_{002}^{(11)} m_{301}^{(01)} - m_{002}^{(11)} m_{211}^{(00)} - m_{002}^{(20)} m_{310}^{(11)} + m_{002}^{(20)} m_{220}^{(01)} \\
& + m_{002}^{(20)} m_{220}^{(10)} - m_{002}^{(20)} m_{130}^{(00)} + m_{002}^{(21)} m_{400}^{(11)} - m_{002}^{(21)} m_{310}^{(01)} - m_{002}^{(21)} m_{310}^{(10)} + m_{002}^{(21)} m_{220}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{81}^{(2)} = & -m_{200}^{(01)} m_{031}^{(22)} + m_{200}^{(01)} m_{022}^{(12)} + m_{200}^{(01)} m_{022}^{(21)} - m_{200}^{(01)} m_{013}^{(11)} + m_{200}^{(02)} m_{040}^{(22)} - m_{200}^{(02)} m_{031}^{(12)} \\
& -m_{200}^{(02)} m_{031}^{(21)} + m_{200}^{(02)} m_{022}^{(11)} + m_{200}^{(11)} m_{121}^{(22)} - m_{200}^{(11)} m_{112}^{(21)} - m_{200}^{(11)} m_{022}^{(02)} + m_{200}^{(11)} m_{013}^{(01)} \\
& -m_{200}^{(12)} m_{130}^{(22)} + m_{200}^{(12)} m_{121}^{(21)} + m_{200}^{(12)} m_{031}^{(02)} - m_{200}^{(12)} m_{022}^{(01)} - m_{200}^{(21)} m_{121}^{(12)} + m_{200}^{(21)} m_{112}^{(11)} \\
& + m_{200}^{(21)} m_{031}^{(02)} - m_{200}^{(21)} m_{022}^{(01)} + m_{200}^{(22)} m_{130}^{(12)} - m_{200}^{(22)} m_{121}^{(11)} - m_{200}^{(22)} m_{040}^{(02)} + m_{200}^{(22)} m_{031}^{(01)} \\
& + m_{110}^{(00)} m_{031}^{(22)} - m_{110}^{(00)} m_{022}^{(12)} - m_{110}^{(00)} m_{022}^{(21)} + m_{110}^{(00)} m_{013}^{(11)} + m_{110}^{(01)} m_{121}^{(22)} - m_{110}^{(01)} m_{112}^{(21)} \\
& - m_{110}^{(01)} m_{022}^{(20)} + m_{110}^{(01)} m_{013}^{(10)} - 2m_{110}^{(02)} m_{130}^{(22)} + 2m_{110}^{(02)} m_{121}^{(12)} + m_{110}^{(02)} m_{121}^{(21)} - m_{110}^{(02)} m_{112}^{(11)}
\end{aligned}$$

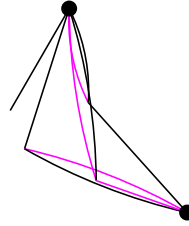
$$\begin{aligned}
& +m_{110}^{(02)} m_{031}^{(20)} - m_{110}^{(02)} m_{022}^{(10)} - m_{110}^{(10)} m_{121}^{(22)} + m_{110}^{(10)} m_{112}^{(21)} + m_{110}^{(10)} m_{022}^{(02)} - m_{110}^{(10)} m_{013}^{(01)} \\
& - m_{110}^{(11)} m_{211}^{(22)} + m_{110}^{(11)} m_{112}^{(02)} + m_{110}^{(11)} m_{112}^{(20)} - m_{110}^{(11)} m_{013}^{(00)} + 2m_{110}^{(12)} m_{220}^{(22)} - m_{110}^{(12)} m_{211}^{(21)} \\
& - 2m_{110}^{(12)} m_{121}^{(02)} - m_{110}^{(12)} m_{121}^{(20)} + m_{110}^{(12)} m_{112}^{(01)} + m_{110}^{(12)} m_{022}^{(00)} + m_{110}^{(20)} m_{121}^{(12)} - m_{110}^{(20)} m_{112}^{(11)} \\
& - m_{110}^{(20)} m_{031}^{(02)} + m_{110}^{(20)} m_{022}^{(01)} + m_{110}^{(21)} m_{211}^{(12)} - m_{110}^{(21)} m_{121}^{(02)} - m_{110}^{(21)} m_{112}^{(10)} + m_{110}^{(21)} m_{022}^{(00)} \\
& - 2m_{110}^{(22)} m_{220}^{(12)} + m_{110}^{(22)} m_{211}^{(11)} + 2m_{110}^{(22)} m_{130}^{(02)} - m_{110}^{(22)} m_{121}^{(01)} + m_{110}^{(22)} m_{121}^{(10)} - m_{110}^{(22)} m_{031}^{(00)} \\
& - m_{101}^{(00)} m_{040}^{(22)} + m_{101}^{(00)} m_{031}^{(12)} + m_{101}^{(00)} m_{031}^{(21)} - m_{101}^{(00)} m_{022}^{(11)} + m_{101}^{(01)} m_{130}^{(22)} - m_{101}^{(01)} m_{121}^{(12)} \\
& - 2m_{101}^{(01)} m_{121}^{(21)} + 2m_{101}^{(01)} m_{112}^{(11)} + m_{101}^{(01)} m_{031}^{(20)} - m_{101}^{(01)} m_{022}^{(10)} + m_{101}^{(02)} m_{130}^{(21)} - m_{101}^{(02)} m_{121}^{(11)} \\
& - m_{101}^{(02)} m_{040}^{(20)} + m_{101}^{(02)} m_{031}^{(10)} + m_{101}^{(10)} m_{130}^{(22)} - m_{101}^{(10)} m_{121}^{(21)} - m_{101}^{(10)} m_{031}^{(02)} + m_{101}^{(10)} m_{022}^{(01)} \\
& - m_{101}^{(11)} m_{220}^{(22)} + 2m_{101}^{(11)} m_{211}^{(21)} + m_{101}^{(11)} m_{121}^{(02)} - m_{101}^{(11)} m_{121}^{(20)} - 2m_{101}^{(11)} m_{112}^{(01)} + m_{101}^{(11)} m_{022}^{(00)} \\
& - m_{101}^{(12)} m_{220}^{(21)} + m_{101}^{(12)} m_{130}^{(20)} + m_{101}^{(12)} m_{121}^{(01)} - m_{101}^{(12)} m_{031}^{(00)} - m_{101}^{(12)} m_{130}^{(12)} + m_{101}^{(12)} m_{121}^{(11)} \\
& + m_{101}^{(20)} m_{040}^{(02)} - m_{101}^{(20)} m_{031}^{(01)} + m_{101}^{(21)} m_{220}^{(12)} - 2m_{101}^{(21)} m_{211}^{(11)} - m_{101}^{(21)} m_{130}^{(02)} + 2m_{101}^{(21)} m_{121}^{(01)} \\
& + m_{101}^{(21)} m_{121}^{(10)} - m_{101}^{(21)} m_{031}^{(00)} + m_{101}^{(22)} m_{112}^{(11)} - m_{101}^{(22)} m_{130}^{(01)} - m_{101}^{(22)} m_{130}^{(10)} + m_{101}^{(22)} m_{040}^{(00)} \\
& - m_{020}^{(00)} m_{121}^{(22)} + m_{020}^{(00)} m_{112}^{(12)} + m_{020}^{(00)} m_{022}^{(20)} - m_{020}^{(00)} m_{013}^{(02)} + m_{020}^{(02)} m_{220}^{(22)} - m_{020}^{(02)} m_{211}^{(12)} \\
& - m_{020}^{(02)} m_{121}^{(20)} + m_{020}^{(02)} m_{112}^{(10)} + m_{020}^{(10)} m_{221}^{(22)} - m_{020}^{(10)} m_{112}^{(02)} - m_{020}^{(10)} m_{112}^{(20)} + m_{020}^{(10)} m_{013}^{(00)} \\
& - m_{020}^{(12)} m_{310}^{(22)} + m_{020}^{(12)} m_{211}^{(02)} + m_{020}^{(12)} m_{211}^{(20)} - m_{020}^{(12)} m_{112}^{(00)} - m_{020}^{(12)} m_{211}^{(12)} + m_{020}^{(12)} m_{121}^{(02)} \\
& + m_{020}^{(20)} m_{112}^{(10)} - m_{020}^{(20)} m_{022}^{(00)} + m_{020}^{(22)} m_{310}^{(12)} - m_{020}^{(22)} m_{220}^{(02)} - m_{020}^{(22)} m_{211}^{(10)} + m_{020}^{(22)} m_{121}^{(00)} \\
& + m_{011}^{(00)} m_{130}^{(22)} - m_{011}^{(00)} m_{121}^{(12)} + m_{011}^{(00)} m_{121}^{(21)} - m_{011}^{(00)} m_{112}^{(11)} - 2m_{011}^{(00)} m_{031}^{(20)} + 2m_{011}^{(00)} m_{102}^{(00)} \\
& - m_{011}^{(01)} m_{220}^{(22)} + m_{011}^{(01)} m_{211}^{(12)} + m_{011}^{(01)} m_{121}^{(20)} - m_{011}^{(01)} m_{112}^{(10)} - m_{011}^{(01)} m_{220}^{(21)} + m_{011}^{(01)} m_{211}^{(11)} \\
& + m_{011}^{(02)} m_{130}^{(20)} - m_{011}^{(02)} m_{121}^{(10)} - m_{011}^{(10)} m_{220}^{(22)} - m_{011}^{(10)} m_{211}^{(21)} + m_{011}^{(10)} m_{121}^{(02)} + 2m_{011}^{(10)} m_{121}^{(11)} \\
& + m_{011}^{(10)} m_{112}^{(01)} - 2m_{011}^{(10)} m_{022}^{(00)} + m_{011}^{(11)} m_{310}^{(22)} - m_{011}^{(11)} m_{211}^{(02)} - m_{011}^{(11)} m_{211}^{(20)} + m_{011}^{(11)} m_{112}^{(00)} \\
& + m_{011}^{(12)} m_{310}^{(21)} - m_{011}^{(12)} m_{220}^{(20)} - m_{011}^{(12)} m_{211}^{(01)} + m_{011}^{(12)} m_{121}^{(10)} + m_{011}^{(12)} m_{220}^{(12)} + m_{011}^{(12)} m_{211}^{(11)} \\
& - m_{011}^{(20)} m_{130}^{(02)} - m_{011}^{(20)} m_{121}^{(01)} - 2m_{011}^{(20)} m_{121}^{(10)} + 2m_{011}^{(20)} m_{031}^{(00)} - m_{011}^{(21)} m_{310}^{(12)} + m_{011}^{(21)} m_{220}^{(02)} \\
& + m_{011}^{(21)} m_{211}^{(10)} - m_{011}^{(21)} m_{121}^{(00)} - m_{011}^{(21)} m_{310}^{(22)} + m_{011}^{(22)} m_{220}^{(01)} + m_{011}^{(22)} m_{220}^{(10)} - m_{011}^{(22)} m_{130}^{(00)} \\
& - m_{002}^{(00)} m_{130}^{(21)} + m_{002}^{(00)} m_{121}^{(11)} + m_{002}^{(00)} m_{040}^{(20)} - m_{002}^{(00)} m_{031}^{(10)} + m_{002}^{(01)} m_{220}^{(21)} - m_{002}^{(01)} m_{211}^{(11)} \\
& - m_{002}^{(01)} m_{130}^{(20)} + m_{002}^{(01)} m_{121}^{(10)} + m_{002}^{(10)} m_{220}^{(21)} - m_{002}^{(10)} m_{130}^{(20)} - m_{002}^{(10)} m_{121}^{(01)} + m_{002}^{(10)} m_{031}^{(00)} \\
& - m_{002}^{(11)} m_{310}^{(21)} + m_{002}^{(11)} m_{220}^{(20)} + m_{002}^{(11)} m_{211}^{(01)} - m_{002}^{(11)} m_{121}^{(00)} - m_{002}^{(11)} m_{220}^{(11)} + m_{002}^{(11)} m_{130}^{(01)} \\
& + m_{002}^{(20)} m_{130}^{(10)} - m_{002}^{(20)} m_{040}^{(00)} + m_{002}^{(21)} m_{310}^{(11)} - m_{002}^{(21)} m_{220}^{(01)} - m_{002}^{(21)} m_{220}^{(10)} + m_{002}^{(21)} m_{130}^{(00)}
\end{aligned}$$

$$\begin{aligned}
P_{81}^{(3)} = & -m_{200}^{(01)} m_{022}^{(22)} + m_{200}^{(01)} m_{013}^{(12)} + m_{200}^{(01)} m_{013}^{(21)} - m_{200}^{(01)} m_{004}^{(11)} + m_{200}^{(02)} m_{031}^{(22)} - m_{200}^{(02)} m_{022}^{(12)} \\
& - m_{200}^{(02)} m_{022}^{(21)} + m_{200}^{(02)} m_{013}^{(11)} + m_{200}^{(02)} m_{112}^{(22)} - m_{200}^{(02)} m_{103}^{(21)} - m_{200}^{(02)} m_{013}^{(02)} + m_{200}^{(02)} m_{004}^{(01)} \\
& - m_{200}^{(12)} m_{121}^{(22)} + m_{200}^{(12)} m_{112}^{(21)} + m_{200}^{(12)} m_{022}^{(02)} - m_{200}^{(12)} m_{013}^{(01)} - m_{200}^{(21)} m_{112}^{(12)} + m_{200}^{(21)} m_{103}^{(11)} \\
& + m_{200}^{(21)} m_{022}^{(02)} - m_{200}^{(21)} m_{013}^{(01)} + m_{200}^{(22)} m_{121}^{(12)} - m_{200}^{(22)} m_{112}^{(11)} - m_{200}^{(22)} m_{031}^{(02)} + m_{200}^{(22)} m_{022}^{(01)} \\
& + m_{110}^{(00)} m_{022}^{(22)} - m_{110}^{(00)} m_{013}^{(12)} - m_{110}^{(00)} m_{013}^{(21)} + m_{110}^{(00)} m_{004}^{(11)} + m_{110}^{(01)} m_{112}^{(22)} - m_{110}^{(01)} m_{103}^{(21)} \\
& - m_{110}^{(01)} m_{013}^{(20)} + m_{110}^{(01)} m_{004}^{(10)} - 2m_{110}^{(02)} m_{121}^{(22)} + 2m_{110}^{(02)} m_{112}^{(12)} + m_{110}^{(02)} m_{112}^{(21)} - m_{110}^{(02)} m_{103}^{(11)} \\
& + m_{110}^{(02)} m_{022}^{(20)} - m_{110}^{(02)} m_{013}^{(10)} - m_{110}^{(10)} m_{112}^{(22)} + m_{110}^{(10)} m_{103}^{(21)} + m_{110}^{(10)} m_{013}^{(02)} - m_{110}^{(10)} m_{004}^{(01)} \\
& - m_{110}^{(11)} m_{202}^{(22)} + m_{110}^{(11)} m_{103}^{(02)} + m_{110}^{(11)} m_{103}^{(20)} - m_{110}^{(11)} m_{004}^{(00)} + 2m_{110}^{(12)} m_{211}^{(22)} - m_{110}^{(12)} m_{202}^{(21)} \\
& - 2m_{110}^{(12)} m_{112}^{(02)} - m_{110}^{(12)} m_{112}^{(20)} + m_{110}^{(12)} m_{103}^{(01)} + m_{110}^{(12)} m_{013}^{(00)} + m_{110}^{(20)} m_{112}^{(12)} - m_{110}^{(20)} m_{103}^{(11)} \\
& - m_{110}^{(20)} m_{022}^{(02)} + m_{110}^{(20)} m_{013}^{(01)} + m_{110}^{(21)} m_{202}^{(12)} - m_{110}^{(21)} m_{112}^{(02)} - m_{110}^{(21)} m_{103}^{(10)} + m_{110}^{(21)} m_{013}^{(00)} \\
& - 2m_{110}^{(22)} m_{211}^{(12)} + m_{110}^{(22)} m_{202}^{(11)} + 2m_{110}^{(22)} m_{121}^{(02)} - m_{110}^{(22)} m_{112}^{(01)} + m_{110}^{(22)} m_{112}^{(10)} - m_{110}^{(22)} m_{022}^{(00)} \\
& - m_{101}^{(00)} m_{031}^{(22)} + m_{101}^{(00)} m_{022}^{(12)} + m_{101}^{(00)} m_{022}^{(21)} - m_{101}^{(00)} m_{013}^{(11)} + m_{101}^{(01)} m_{121}^{(22)} - m_{101}^{(01)} m_{112}^{(12)}
\end{aligned}$$

$$\begin{aligned}
& -2m_{101}^{(01)} m_{112}^{(21)} + 2m_{101}^{(01)} m_{103}^{(11)} + m_{101}^{(01)} m_{022}^{(20)} - m_{101}^{(01)} m_{013}^{(10)} + m_{101}^{(02)} m_{121}^{(21)} - m_{101}^{(02)} m_{112}^{(11)} \\
& -m_{101}^{(02)} m_{031}^{(20)} + m_{101}^{(02)} m_{022}^{(10)} + m_{101}^{(10)} m_{121}^{(22)} - m_{101}^{(10)} m_{112}^{(21)} - m_{101}^{(10)} m_{022}^{(02)} + m_{101}^{(10)} m_{013}^{(01)} \\
& -m_{101}^{(11)} m_{211}^{(22)} + 2m_{101}^{(11)} m_{202}^{(21)} + m_{101}^{(11)} m_{112}^{(02)} - m_{101}^{(11)} m_{112}^{(20)} - 2m_{101}^{(11)} m_{103}^{(01)} + m_{101}^{(11)} m_{013}^{(00)} \\
& -m_{101}^{(12)} m_{211}^{(21)} + m_{101}^{(12)} m_{121}^{(20)} + m_{101}^{(12)} m_{112}^{(01)} - m_{101}^{(12)} m_{022}^{(00)} - m_{101}^{(12)} m_{121}^{(12)} + m_{101}^{(12)} m_{112}^{(11)} \\
& + m_{101}^{(20)} m_{031}^{(02)} - m_{101}^{(20)} m_{022}^{(01)} + m_{101}^{(21)} m_{211}^{(12)} - 2m_{101}^{(21)} m_{202}^{(11)} - m_{101}^{(21)} m_{121}^{(02)} + 2m_{101}^{(21)} m_{112}^{(01)} \\
& + m_{101}^{(21)} m_{112}^{(10)} - m_{101}^{(21)} m_{022}^{(00)} + m_{101}^{(22)} m_{211}^{(11)} - m_{101}^{(22)} m_{121}^{(01)} - m_{101}^{(22)} m_{121}^{(10)} + m_{101}^{(22)} m_{031}^{(00)} \\
& -m_{020}^{(00)} m_{112}^{(22)} + m_{020}^{(00)} m_{103}^{(12)} + m_{020}^{(00)} m_{013}^{(20)} - m_{020}^{(00)} m_{004}^{(10)} + m_{020}^{(00)} m_{211}^{(02)} - m_{020}^{(00)} m_{202}^{(12)} \\
& -m_{020}^{(02)} m_{112}^{(20)} + m_{020}^{(02)} m_{103}^{(10)} + m_{020}^{(10)} m_{202}^{(22)} - m_{020}^{(10)} m_{103}^{(02)} - m_{020}^{(10)} m_{103}^{(20)} + m_{020}^{(10)} m_{004}^{(00)} \\
& -m_{020}^{(12)} m_{301}^{(22)} + m_{020}^{(12)} m_{202}^{(02)} + m_{020}^{(12)} m_{202}^{(20)} - m_{020}^{(12)} m_{103}^{(00)} - m_{020}^{(12)} m_{202}^{(12)} + m_{020}^{(12)} m_{112}^{(02)} \\
& + m_{020}^{(20)} m_{103}^{(10)} - m_{020}^{(20)} m_{013}^{(00)} + m_{020}^{(22)} m_{301}^{(12)} - m_{020}^{(22)} m_{211}^{(02)} - m_{020}^{(22)} m_{202}^{(10)} + m_{020}^{(22)} m_{112}^{(00)} \\
& + m_{011}^{(00)} m_{121}^{(22)} - m_{011}^{(00)} m_{112}^{(12)} + m_{011}^{(00)} m_{112}^{(21)} - m_{011}^{(00)} m_{103}^{(11)} - 2m_{011}^{(00)} m_{022}^{(20)} + 2m_{011}^{(00)} m_{013}^{(10)} \\
& -m_{011}^{(01)} m_{211}^{(22)} + m_{011}^{(01)} m_{202}^{(12)} + m_{011}^{(01)} m_{112}^{(20)} - m_{011}^{(01)} m_{103}^{(10)} - m_{011}^{(01)} m_{211}^{(02)} + m_{011}^{(01)} m_{202}^{(11)} \\
& + m_{011}^{(02)} m_{121}^{(20)} - m_{011}^{(02)} m_{112}^{(10)} - m_{011}^{(10)} m_{211}^{(22)} - m_{011}^{(10)} m_{202}^{(11)} + m_{011}^{(10)} m_{112}^{(02)} + 2m_{011}^{(10)} m_{112}^{(20)} \\
& + m_{011}^{(10)} m_{103}^{(01)} - 2m_{011}^{(10)} m_{013}^{(00)} + m_{011}^{(11)} m_{301}^{(22)} - m_{011}^{(11)} m_{202}^{(02)} - m_{011}^{(11)} m_{202}^{(20)} + m_{011}^{(11)} m_{103}^{(00)} \\
& + m_{011}^{(12)} m_{301}^{(21)} - m_{011}^{(12)} m_{211}^{(20)} - m_{011}^{(12)} m_{202}^{(01)} + m_{011}^{(12)} m_{112}^{(10)} + m_{011}^{(12)} m_{211}^{(10)} + m_{011}^{(12)} m_{202}^{(11)} \\
& -m_{011}^{(20)} m_{121}^{(02)} - m_{011}^{(20)} m_{112}^{(01)} - 2m_{011}^{(20)} m_{112}^{(10)} + 2m_{011}^{(20)} m_{022}^{(00)} - m_{011}^{(21)} m_{301}^{(12)} + m_{011}^{(21)} m_{211}^{(02)} \\
& + m_{011}^{(21)} m_{202}^{(10)} - m_{011}^{(21)} m_{112}^{(00)} - m_{011}^{(22)} m_{301}^{(11)} + m_{011}^{(22)} m_{211}^{(01)} + m_{011}^{(22)} m_{211}^{(10)} - m_{011}^{(22)} m_{121}^{(00)} \\
& -m_{002}^{(00)} m_{121}^{(21)} + m_{002}^{(00)} m_{112}^{(11)} + m_{002}^{(00)} m_{031}^{(20)} - m_{002}^{(00)} m_{022}^{(10)} + m_{002}^{(01)} m_{211}^{(21)} - m_{002}^{(01)} m_{202}^{(11)} \\
& -m_{002}^{(01)} m_{121}^{(20)} + m_{002}^{(01)} m_{112}^{(10)} + m_{002}^{(10)} m_{211}^{(21)} - m_{002}^{(10)} m_{121}^{(20)} - m_{002}^{(10)} m_{112}^{(01)} + m_{002}^{(10)} m_{022}^{(00)} \\
& -m_{002}^{(11)} m_{301}^{(21)} + m_{002}^{(11)} m_{211}^{(20)} + m_{002}^{(11)} m_{202}^{(01)} - m_{002}^{(11)} m_{112}^{(00)} - m_{002}^{(11)} m_{211}^{(11)} + m_{002}^{(11)} m_{121}^{(01)} \\
& + m_{002}^{(20)} m_{121}^{(10)} - m_{002}^{(20)} m_{031}^{(00)} + m_{002}^{(21)} m_{301}^{(11)} - m_{002}^{(21)} m_{211}^{(01)} - m_{002}^{(21)} m_{211}^{(10)} + m_{002}^{(21)} m_{121}^{(00)}
\end{aligned}$$

Generating graph:

V1	V1	1	1
	1	V2	A0
V2	2	2	A0



$$\begin{aligned}
P_{82}^{(1)} = & m_{000}^{(00)} m_{000}^{(11)} m_{202}^{(12)} - m_{000}^{(00)} m_{000}^{(11)} m_{202}^{(21)} - m_{000}^{(00)} m_{000}^{(11)} m_{112}^{(02)} + m_{000}^{(00)} m_{000}^{(11)} m_{112}^{(20)} \\
& + m_{000}^{(00)} m_{000}^{(11)} m_{103}^{(01)} - m_{000}^{(00)} m_{000}^{(11)} m_{103}^{(10)} - m_{000}^{(00)} m_{000}^{(12)} m_{211}^{(12)} + m_{000}^{(00)} m_{000}^{(12)} m_{211}^{(21)}
\end{aligned}$$

Generating graph:

V1	V1	1	1
1	1	V2	A0
V2	V3	V3	A0

