

$$\begin{aligned}
Z \left(\begin{array}{c} (+ -) (- +) \\ \downarrow \quad \updownarrow \quad \downarrow \\ (+ -) (- +) \end{array} \right) &= Z \left(\begin{array}{c} (+ -) \quad (- +) \\ \downarrow \quad \updownarrow \quad \downarrow \\ (+ -) \quad (- +) \end{array} \right) \\
&= \begin{array}{c} \uparrow \quad \uparrow \\ \boxed{S_3 S_2 \Delta_3 \Phi^{-1}} \\ \downarrow \quad \downarrow \\ \boxed{S_2 S_1 \Phi} \\ \downarrow \quad \downarrow \\ [\dots] \\ \downarrow \quad \downarrow \\ \boxed{S_2 S_1 \Phi^{-1}} \\ \downarrow \quad \downarrow \\ \boxed{S_3 S_2 \Delta_3 \Phi} \\ \downarrow \quad \downarrow \end{array} \\
&= \begin{array}{c} \downarrow \quad \uparrow \quad \uparrow \quad \downarrow \quad \downarrow \quad \uparrow \quad \uparrow \quad \downarrow \\ + \\ \downarrow \quad \uparrow \quad \uparrow \quad \downarrow \\ + \frac{1}{2} \downarrow \quad \uparrow \quad \uparrow \quad \downarrow \\ + (\text{deg} \geq 3). \end{array}
\end{aligned}$$