

$$\begin{array}{c} \textbf{G}(z) \\ \hline \hline \end{array} = \begin{array}{c} \textbf{G}^{(S)}(z) \\ \hline \hline \end{array} + \begin{array}{c} \textbf{G}^{(S)}(z) \\ \hline \hline \end{array} \textcircled{\textbf{\Pi}^{(S)}(z)} \begin{array}{c} \textbf{G}(z) \\ \hline \hline \end{array}$$