$$\underbrace{\left(\begin{array}{c} \\ seed \\ \\ \hline \\ f(seed) \end{array}\right)}_{f(seed)} r_1 \xrightarrow{\qquad \qquad } r_2 \xrightarrow{\qquad \qquad } r_3 \xrightarrow{\qquad \qquad } r_n \xrightarrow{\qquad \qquad } r_S$$