

$$\begin{array}{r|l} zI & zI - G \end{array}$$

$$zI - G$$

$$I + z^{-1}G + z^{-2}G^2 + z^{-3}G^3 + \dots$$

$$G$$

$$G - z^{-1}G^2$$

$$z^{-1}G^2$$

$$z^{-1}G^2 - z^{-2}G^3$$

$$z^{-2}G^3$$

$$\vdots$$