

$$Y(z) = G(z)U(z) = \frac{1}{z - \frac{1}{4}} \cdot \frac{z}{z-1} = \frac{4}{3} \frac{z}{z-1} - \frac{4}{3} \frac{z}{z - \frac{1}{4}}$$

$$Y(k) = \left[\frac{4}{3} - \frac{4}{3} \left(\frac{1}{4} \right)^k \right] 1(k)$$

Trunkono esaurito a $k=4$ $\left(k > \frac{-5}{\ln(\frac{1}{4})} \right)$