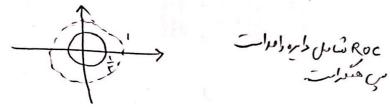
$$\frac{A}{A} = \frac{z^{-1} + \frac{1}{2}z^{-1}} = \frac{1}{1 + \frac{1}{2}z^{-1}} + \frac{1}{1 + \frac{1}{2}z^{-1}} = \frac{1}{1 + \frac{1}{2}z^{-1}} = \frac{1}{1 + \frac{1}{2}z^{-1}} + \frac{1}{1 + \frac{1}{2}z^{-1}} = \frac{1$$

$$H(z) = \frac{Y(z)}{X(z)} = (1-z')(\frac{\epsilon z}{1-\frac{1}{\epsilon}z'}) = \frac{\epsilon(z-1)}{1-\frac{1}{\epsilon}z'}$$
 $z=1$
 $z=1$



$$H(z) = \frac{1}{1 - \frac{1}{r}z^{-1}}, y(z), 1 + \frac{q}{1 - \frac{1}{r}z^{-1}}$$
 $|z| > \frac{1}{r}$

$$H(z) = \frac{y(z)}{X(z)} = (1 - \frac{1}{r} z^{-1})(1 + \frac{q}{1 - \frac{1}{r} z^{-1}})$$
 $|z| > \frac{1}{r} \xrightarrow{H(-1) > 0} H(-1) = (1 - \frac{1}{r} (-1)^{-1})(1 + \frac{q}{1 - \frac{1}{r} (-1)})$

$$H(z)=(1-\frac{1}{r}z^{-1})\left(\frac{1-\frac{1}{r}z^{-1}+\alpha}{1-\frac{1}{r}z^{-1}}\right)$$
, $|z|>\frac{1}{r}$

$$\rightarrow 1 - \frac{1}{r} z^{1} - \frac{\psi}{r} = \frac{1}{r} z^{2} - \frac{1}{r}$$