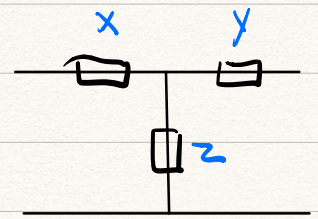
① $R1 = x + z$



② $R2 = y + z$

③ $R3 = x + \dfrac{yz}{y+z}$

1-2: $R1 - R2 = x + z - (y + z)$

$\Rightarrow R1 - R2 = x - y$

$\Rightarrow x = R1 - R2 + y$

Som GIR:

$$R3 = R1 - R2 + y + \frac{yz}{R2} \quad \Big| \; z = R2 - y$$

$$R3 = R1 - R2 + y + \frac{y(R2 - y)}{R2}$$

$$R3 = R1 - R2 + y + \frac{yR2 - y^2}{R2} \quad \Big| \cdot R2$$

$$R2R3 = R2R1 - R2^2 + yR2 + yR2 - y^2$$

$$y^2 = R2R3 - R2R1 + R2^2 - 2 \cdot yR2$$

$$y^2 = R2(R3 - R1 + R2 - \underline{2y}) \quad ?$$