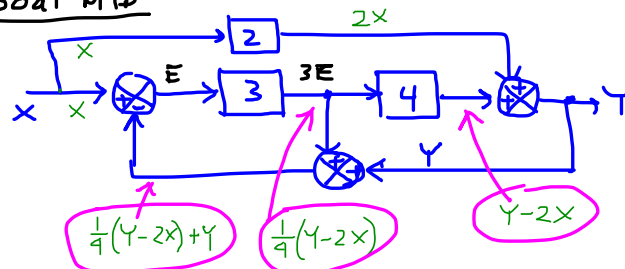


Soal MID



$$Y = KX$$

$$E = X - \left[\frac{1}{4}(Y - 2X) + Y \right] \rightarrow 3E = 3 \left\{ X - \left[\frac{1}{4}(Y - 2X) + Y \right] \right\}$$

$$3E = \frac{1}{4}(Y - 2X) \quad \text{sama}$$

$$\begin{aligned} \frac{1}{4}(Y - 2X) &= 3 \left\{ X - \left[\frac{1}{4}(Y - 2X) + Y \right] \right\} \\ \frac{1}{4}Y - \frac{1}{2}X &= 3 \left\{ X - \left[\frac{1}{4}Y - \frac{1}{2}X + Y \right] \right\} \\ &= 3 \left\{ X - \left[\frac{5}{4}Y - \frac{1}{2}X \right] \right\} \\ &= 3 \left\{ X - \frac{5}{4}Y + \frac{1}{2}X \right\} \\ &= 3 \left[\frac{3}{2}X - \frac{5}{4}Y \right] \\ &= \frac{9}{2}X - \frac{15}{4}Y \end{aligned}$$

$$\frac{1}{4}Y + \frac{15}{4}Y = \frac{9}{2}X + \frac{1}{2}X$$

$$\frac{16}{4}Y = \frac{10}{2}X \rightarrow 4Y = 5X$$

$$Y = \frac{5}{4}X = 1,25X$$

$$K = 1,25 = \frac{5}{4}$$