Problem - 43

y(n) = 0-5 y(n-1) -0-25 y(n-2) +n(n) +0.4 n(n-1)

Taking 2 - tronstorm

Y(2) (1-0.5 2-1+0.25 2-1) = X(2)(1+0-42-1)

$$\frac{Y(t)}{X(t)} = \frac{(1+0.4 t^{-1})}{1-0.5 t^{-1} + 0.25 t^{-1}}$$

$$H(t) = \frac{1+0-42^{-1}}{1-0-52^{-1}+0-252^{-2}}$$

Realized model in direct town II;

