





$$y[n] = \frac{1}{4}y[n-1] + x[n] - \frac{1}{40x} \times [n-40]$$

$$y[n] - \frac{1}{4}y[n-1] = x[n] - \frac{1}{40x} \times [n-40]$$

$$(k)$$

$$Y(2) - \frac{1}{2}z^{-1}Y(2) = x(2) \cdot (1 - \frac{1}{4x}z^{-n})$$

$$Y(3) = \frac{1}{4x^{2}}z^{-n} + \frac{1}{4x^{2}}z^{-1} - \frac{1}{4x^{2}}z^{-1} + \frac{1$$









