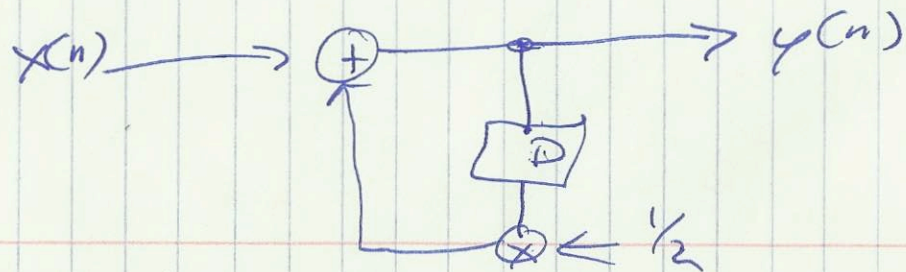


$$y(n] = x(n] + \frac{1}{2} y(n-1]$$



$$h(n] = 1 \quad \frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{8} \quad \frac{1}{16} \dots$$

$$H(z)$$

$$Y(z) = H(z) \cdot X(z)$$

$$H(z) = \frac{Y(z)}{X(z)}$$