

H

$$y_c(n] = \begin{matrix} 0 & 1 & 2 \\ \frac{1}{2} & \frac{1}{2} & 2 \end{matrix}$$

Delay

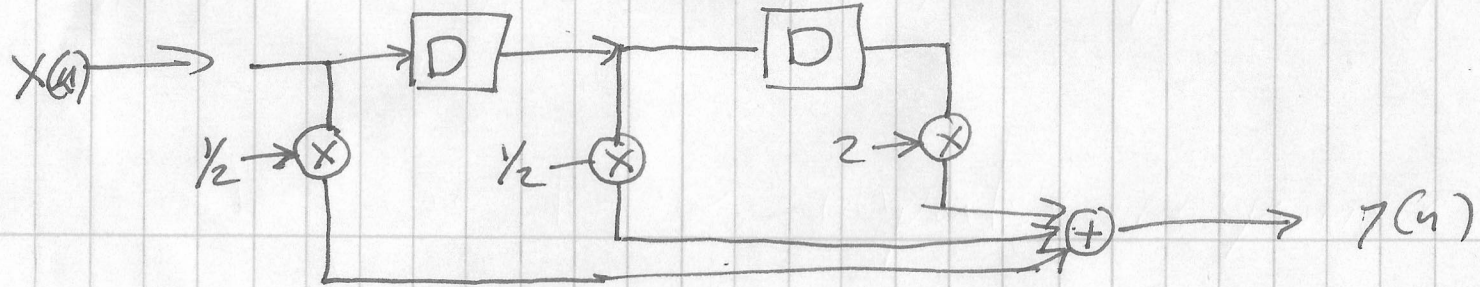
D

$$x(n) \rightarrow \boxed{D} \rightarrow x(n-1)$$

Scale

$\otimes$   
 $\uparrow$   
 $\alpha$

$$x(n) \rightarrow \otimes \rightarrow \alpha x(n)$$



2 3 1 0  $\rightarrow$

$$2 \times 2 + 3 \times \frac{1}{2} + 1 \times \frac{1}{2} =$$

$\rightarrow$  1 5/2 9 6 1/2