

$$y(0) = 1$$

$$y(1) = 1 + \alpha$$

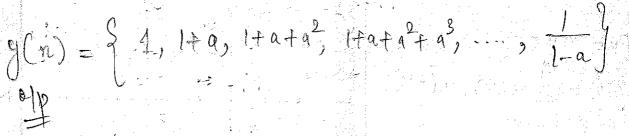
$$y(2) = 1 + \alpha + \alpha^{2} + \alpha^{3}$$

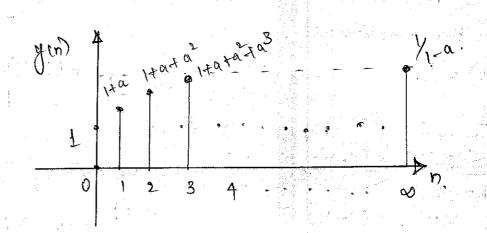
$$y(\infty) = 1 + \alpha + \alpha^{2} + \alpha^{3}$$

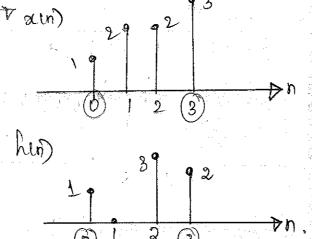
$$y(\infty) = \frac{1}{1 - \alpha}$$

$$y(\infty) = \frac{1}{1 - \alpha}$$

$$y(\infty) = \frac{1}{1 - \alpha}$$







Darman the cut

$$y(n)$$

 $0+0 \le n \le 3+3$
 $=0$
 $0 \le n \le 6$

