2. 52 Consider a cliscrete time LTI system with unit sample are response html=(n+1) an utnl, where lake 1. Show that the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(a-4)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(a-4)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(a-4)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(a-4)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^{n+1}\right)$ . In the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$ . In the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$ . In the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$ . In the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$ . In the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in the stop response is stall at  $\left(\frac{1}{(u-1)^2} - \frac{\alpha}{(u-1)^2}a^n + \frac{\alpha}{\alpha-4}\right)$  in