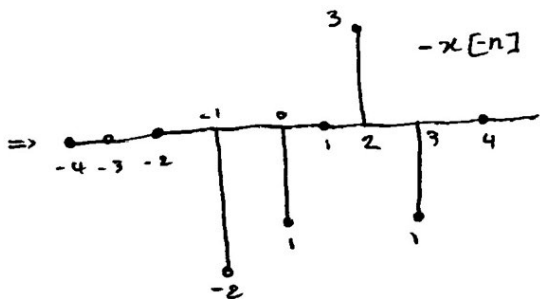
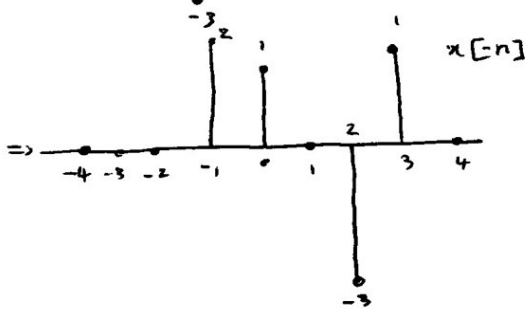
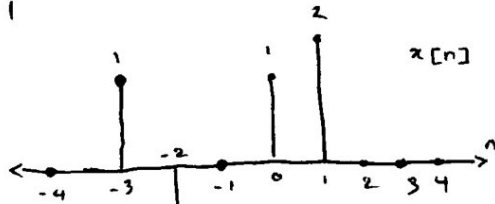


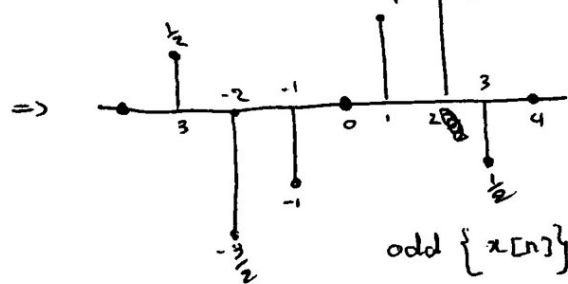
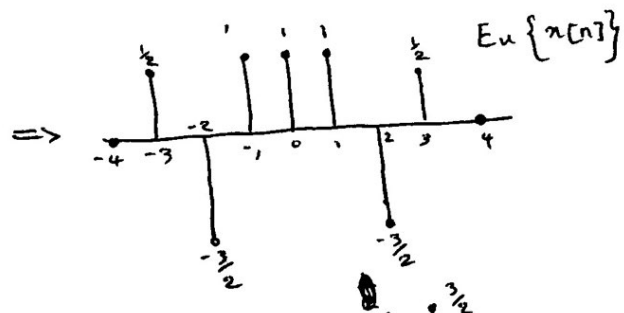
رضا دین پور  
۹۸۱۴۳۰۳  
رضا  
کویته شاو! سیکال سیم  
۳۰۳  
کویته

#1



$$E_u\{x[n]\} = \frac{x[n] + x[-n]}{2}$$

$$\text{odd}\{x[n]\} = \frac{x[n] - x[-n]}{2}$$



$$E_\infty\{E_u\{x[n]\}\} = \sum_{n=-4}^{+4} |x[n]|^2 = 1+1+1+\frac{9}{4}+\frac{9}{4}+\frac{1}{4}+\frac{1}{4} = 8$$

$$E_\infty\{\text{odd}\{x[n]\}\} = 1+1+\frac{9}{4}+\frac{1}{4}+\frac{9}{4}+\frac{1}{4} = 7$$

$$P_{EV} = \frac{E_{(T,T)}}{T} = \frac{8}{5}, \quad P_{\text{odd}} = \frac{7}{5}$$