ASP 2.

Autoresressive process by the difference eq: dcm= 0.75d(n-1) +v(n) and noisy process U(n) = d(n) + W(n) + 0.5w(n-1)

· Draw the block diagram

$$=d(n)-\frac{2}{\sum_{i=1}^{n}w_{i}u(n-i)}$$

$$=d(n)-\sum_{i=0}^{2}w_{i}u(n-i)$$

$$=E[e(n)]=E[d(n)-\sum_{i=0}^{2}w_{i}u(n-i))^{2}$$