ASP 2. Autoregressive process by the difference eq: dcn = 0.75 d(n-1) +v(n) and noisy process U(n) = d(n) + W(n) + 0.5 w(n-1). Calc by hand ", expressions for optimal set of weights and obtain values of the optimal weights. 3] -- 2E[(d(n)-wou(n)-(w,·u(n-1)))u(n)] = 0 | general | Vaj = -2E[u(n-k)e(n)] | ? DJ = -ZE[(da) - ωουω - ω, υα-1). u(n-1)=0 e from slides $\Rightarrow \frac{\partial J}{\partial v_0} = w_0 \Gamma(0) + w_1 \Gamma(1) = P(0)$

$$\Rightarrow \frac{\partial J}{\partial w_0} = w_0 \Gamma(0) + w_1 \Gamma(1) = P(0)$$

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