Ex11.1 sequence: x7=1, x2=2, x7=1 col Vo(0)=1 VA(01=0, VB(0)=0, VE(0)=0 V. (1) = 0 VA (1) = Es (x1=1) . maxx (axx . vx (i-1) = 0.7 . £ max ((0.5-0.4 0.4.4), (0.5.0), (0.0), (0.0) k = Start = 0,63 Ptra(1) = 5 VB(1) = eB(x=1) - (0,1-1) = 0.4.0.1=0.04 Ptop (1)=5 ve (1)=0 Ptre (1)=/ VA (2) = ex (x2=2) = max ((ast · vg(1) + axx · vg(1) + axx · vg(1) + axx · vg(1) = 0.3 . 0.63 . 0.5 = 0.0945 Ptr4 (2)= A VB(21 = eB(x2=21 . max (0.63.03; 0.04.0.0)=0.3.max (0.189,0.024) = 0.3 = 0.0567 Ptrp(Z) = A Ve(3) = ep (x2=2) = max (0.63.02,004.04)= 0.2. (000 1006 1= 0.0378 VA (3) = ex (x3=1). max (0.0945.0,51=0,033075 Ptra (31 = A V, (3) = ep (x3=1) · max (0.0945 · 0.3; 0.0567 · 0.6/20.4 · max 6,283 = 0.4 - max (0.02835, 0,03402) = 1,3608.10 PtiB(31= B Vo (3) = ep(x3=71. max (0.0945.02, 0.0567.04, 0.0378.1) =0.7.0.0378=0,02646 Ptry (3) = C most likely hidden sequence: S, A, A,A

