Viterbi Algorithm P(V, V2 , V3 ... V7, ST) Les Probability of getting the about sequence of Y1, 1/2.... YT & landing 0-4 B= c 0.5 0.4 0.1 H 0.2 0.4 0.4 A = c 0.5 m 0.4 0.5 0.6 77 = 0.212

Seg = MCM -> Ans P(31c) = 0.1 30 10 30 C O PT C P(3/H) = 0.4 P(2) P(3/2) = F, (2) P(1) P(3/M) = F, (M)(2) 2 (5)1 3(1) c 0.02 0.064 0.2032 (z(t) -AT 0'2 Dr 0123 0.0384 max (0-02 x 0-6 x 05, 0-32 x 0.4 x 0.5) F2(4) => max (0.22 x 0.5 x 0.2, 0.32 x 0.6 x 0.2) F. CO = max (0.064×0.5×0.1, 0.0264×0.6×0.1) 0,0037 F3(H) = Max (0.064 X 0.5 X 0.4 , 0.0384 X 0.6 X 0.4) Next likely Sequence - HCH