1. 1. Bo: P(Bol A) = 0,5 > P(Bol A) = 0.1, decide As AG B: P(B,1A,)= 0.25 = P(B,1A,)=0.3, decide A, B2 P(B2 | A) = 0,25 < P(B2 | A) = 2.6, decide A, IF Bo, decide Ao, if B., decide A, if B2, decide A, MAP: Bo! P(Bo)= (0.5)(0.6) + (0.170,4) = 0.34 2.04 = 0.31 P(A,1B) = (0.5)(0.6) - 0.8824 > P(A,1 B) = (0.1)(0.4) = 0.1176 B; P(B,) = (0.25)(0.6)+(0.3)(0.4) = 0.27 10 (A0 1B,) = (0.25)(0.6) = 0.55.56 P(A,1B) = (0.35)(0.4) = 0.4444 B2: P(B2) = (0.25(0.6) + (0.6)(0.4) = 0.39 P(Ao, 1B2) = (0,25)(0,6) = 2,3846 < P(A, 1B2) = (0.6×0.4) = 0.6156 IF Bo, decide Ao, FB, decide Ao, if Bz, decide A. 2. MLE Ecror= P(A)P(B,1A)+P(A)P(B21A)+P(A)P(B01A1) -(0.6)(0.25) + (0.6)(0.25) + (0.4)(0.1)-0,34 MAP FIGOR = PCA-SPCB2IA,) + PCA,) PCB, IA,) + PCA,) PCB, IA,) = (3.6)(2.25) + (2.4)(3.1) + (3.4)(3.3)= 0.31

