Prior Probability Maine = 0005 Sahaea = 0,95 det / be temperature recorded beliew 80. (1-0.2) P(L/M) = 0.8(A) dowtemp in Sahara P(L/S) = 0.1 P(M/L) = P(M) · P(L/M) (P(M) · P(L/M) + P(\fas) · P(\fas) = 0.04 = 0.05 x 0.8 0.05×0,8+0,95×0.1 0,04+0,095 P(M) = 0.2963 Probability in Maine - 29.631. (B)Sahara -> 70.37%. P (200= 0,29×0.8 + 0,7037×0.1 = 0.232.+0.0703= 0.3023P(dov) = 0.3023 X0.8 + 0.7037 X O.1 0.2414 + 0.07037 -0.31177

