P(Y|SEA, ATL, good weather, Southwest) & P(Y)P(SEAIY)P(ATLIX)P(good weather |Y) =05x5x5x5x4 05 PCSouth west (Y) P(N|SEA, ATL, good weather, South west) X P(N) P(SEA/N) P(ATL/N) P(good weather/N) 20.01372 20.5×3米特料 M=4 P (Southwest/N) $P(SEA|Y) = \frac{3+4(0.5)}{5+4} = \frac{5}{9}$ - 0,02999 P(SEA|N) = 1+4(03) = 3 ý -argmax (0,01372,0.02999) P(ATL|Y) = 1+4(0.5) = 3 = 3 = 0.02999 $P(ATL(N) = \frac{2+410.5}{3+4}) = \frac{4}{5}$ we classify SEA-ATL on southwest with good $P (good weather | Y) = \frac{1 + 4(0.5)}{5 + 4} = \frac{3}{9} = \frac{1}{3}$ P (good weather $|N| = \frac{2+4(0.5)}{3+4} = \frac{4}{7}$ weother as N. P(southwest $| Y \rangle = \frac{2 + 4(0.5)}{5 + 4} = \frac{4}{9}$ P(south nest $| N \rangle = \frac{1 + 4(0.5)}{3 + 4} = \frac{3}{7}$