05 Total Chance africking taxi of company A = 80% = 0.8 Total chance of picking taxi of company B= ,20% = 0.2 succen Rate of comp. A = 85% => P(A) = 0.95 -. Jailours mate P(A') = 1- P(A) = 0.05 Success Rate of comp. B = 90%. \$ P(B) = 0.90 .. Juilve Rate (P(B') = 1-P(B) = 0.10 0.8 chances of 0.85=) 0.8 x 0.95 Picking toxi gestingical 0.10 = 0.2 x 0.1 999999 trom comony 0.8x0-05+0.2x0.1 total posob =
of getting = P(L) = 0.08 9 0.8×0.05 (0.8×0.05) +(0.2×0.1) Roop Hotel 2 Late taxi in from 9 could by 9 P(ALax) = 0.6666 ) 66.67%. Chance that late taxi belongs to commy A