84. a. P(A, A2A3) = P(A1) R(A3) P(A5) = .95 x .98 x .8 = .7448 . > 74.5% chanco that all Me three Competts of avdin 575km b. P(A, UA, 2UA, 3) = 1-P(A, A, 2A, 3) function = 1 - 0.7448 = p.2552 = (255)25.5% OF Chance Par Le even that at host one Composer needs service during he worrarly period P(A, A2 A3) = P(A) ×P(A2) ×P(A3) = 0.05 × .02 × .2 = (0.0002) · DZY. Chance Hot all Hive Componers needs service during the womany period. d.
P(A, A2 A3) = P(A1) P(A2) P(A3) = 0.05 × .98 × .8 = (0.0392 3.92%. Chance Hat only e. p(exortly one of) = p(A,AZA3) + p(A,AZA3)+
he components) = p(A,AZA3) the recience needs service during the viorconty pulod. need service = [0.05x.98x.8+] = 0.0392+0.0152+0.1862 = 0.2406 24.06% of Chance for There 15 no chance (that all three the event that exactly onc of the three components need Components function property throughout Service the warranty period but at least one falls within a month after the viorionty perio.