



given that ATB-AND-AVB

So P(AVB) = P(A)+P(B)-P(AMB) = 0.5+0.4-0.25= 0.65

b. Ang' = (AVB)

S. P(A'NB')=1-P(AUB) = 0.35

C. P(ANB')=P(A)-(1-P(B))=0.5x(1-0.4)=0.3

Ex 18.

according to the a complement theory: PC759=)= + +++++ PAM: 1-p(75%) = 15 = 15 le probability is 100 73% Ex 27

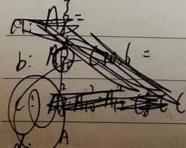
a. (A,B) (A(1) (A,C) (A,C) (B(1) (B,C) (B,E) (C,C) (C,B) (C) (B,A) (C,A) (C,A) (F,A) (C,B) (C,B) (F,13) (C,L) (F,G) (F,G) P(BUA. AUD) = = - to cal

b. P= 14= 16=0.7

c. P[(6,10) and (7,1=) and (6,14) and (7,14) (30, 1 and (14)4)]= = = = = 0.6

Section 2.3

E630



a. Pan = 336

b. Czo. 6= 593775

C. G,2 x Cpo,2 x Cp, 2 83160

d. CB, 2 + Clo, 2 + Ch, 7 = 83160 C30.6 593775 = 0.14 C. CFILLE C86+ Clo, 6+ Clo, 6 C70.6 102 793775 = 0.202

Ex 38.

a. P= 18 (6,2:(9)) = 15mg = 02967

V= C15,3 = 0007 410+20 25000747 C. P= (4)1.651.66) = 4x5x6 = 0.2637 d. P cat least 6 bulbs) = 1 - 1(5 or less) $P(1) = \frac{6}{15} = 0.4$ $P(2) = \frac{9}{15} \times \frac{6}{14} = 0.257$ 117) = 9x 8x 13 = 0.1582 P(4)= 9×8/3×13×1=0.0923 P(5)= 15x 14x 17x 12x 12 = 0.0503 P(at least 6 bulbs)= 1- [P(1)+P(2)-P(3)]=1-0.9579=0.0421 Ex 40. Q. Por ((2)12) = 12! After removed: $\frac{P(12,12)}{3!} = \frac{12!}{3!}$ he can see 308 as a whole object, so do AAA. (CC, DUD, the probability is P= Px,x = 4x(3!) = \$ 0.0006494