themselves are Jhat follows from square in random varias  y for every i or P(XEA) = 0  2) We know the  Assuming	only events that are independent of those with probability either 0 or 1 om the fact that a number is its it its either 0 on 1. The only way a le x con be independent of its cy reconcrable set A, either ip(XEA) =  at, P(An B) = P(A) P(B)  P(A) = 1 - P(B)  A and B are independent, B = 1 - P(AUB)  = 1 - P(A) - P(B) + P(A DB)  = 1 - P(A) - P(B) + P(ADB)  = 1 - P(A) - P(B)   1 - P(B)   = 1 - P(A)   [1 - P(B)]  = [1 - P(A)   [1 - P(B)]  = [1 - P(A)   [1 - P(B)]
	= P(A)P(BS)