Task Propability Dr. Samis S.W.E Silled Silled Silled Tolus $1 - nCr = \frac{n!}{V!(ner)!} = 495 \times 70 \times 1 = 34650$ 2. There are 3 * 2 * 1 perm utations of Ca, b, c 3-A. n= 12 E2 = (12!) = 66 There are 4 defective items in box $p(A) = \frac{6}{66} = \frac{1}{11}$, $p(B) = \frac{28}{66} = \frac{14}{33}$ Platloast one item is defective = 1 - Rno item 15 defectiv $\frac{1-28-38}{66-66}$ $\frac{38}{66-66}$ $\frac{11-25}{95-95}$ $\frac{11-126-335}{955-955}$ 5-1+2-6=5 6- $\rho(A) = \frac{3}{8} \rho(A') = 1 - \frac{3}{8} = \frac{5}{8}$ $p(AUB) = p(A) + p(B) - p(AAB) = \frac{3}{8} + \frac{1}{2} / - \frac{1}{8} = \frac{3}{8}$ $p((AUB)') = 1 - \frac{7}{8} = \frac{1}{8} - \frac{7}{3} = \frac{3}{8}$ $p((AAB)') = \frac{1}{8} - \frac{1}{2} = \frac{1}{2} - \frac{7}{3} = \frac{3}{8}$ P(A'OB) = = = = = 0

