Probability :-Counting Permutation:-Y- Permutations K 1 Pr = p(n, r)= may to choose 1 object = n

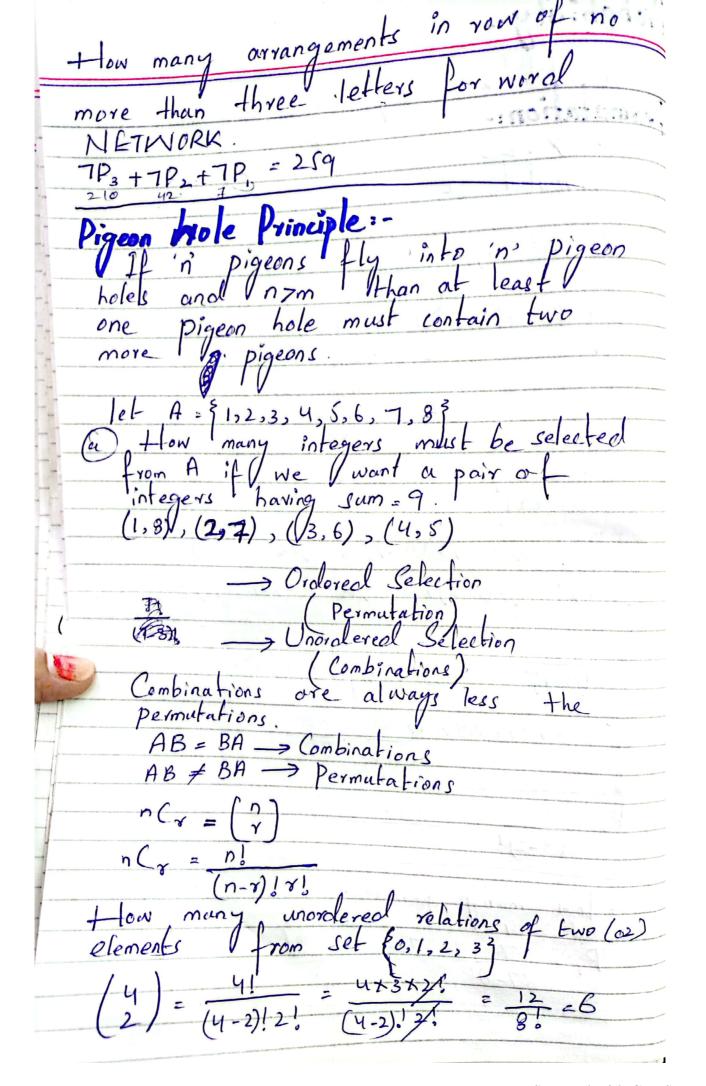
No solution object = n-1

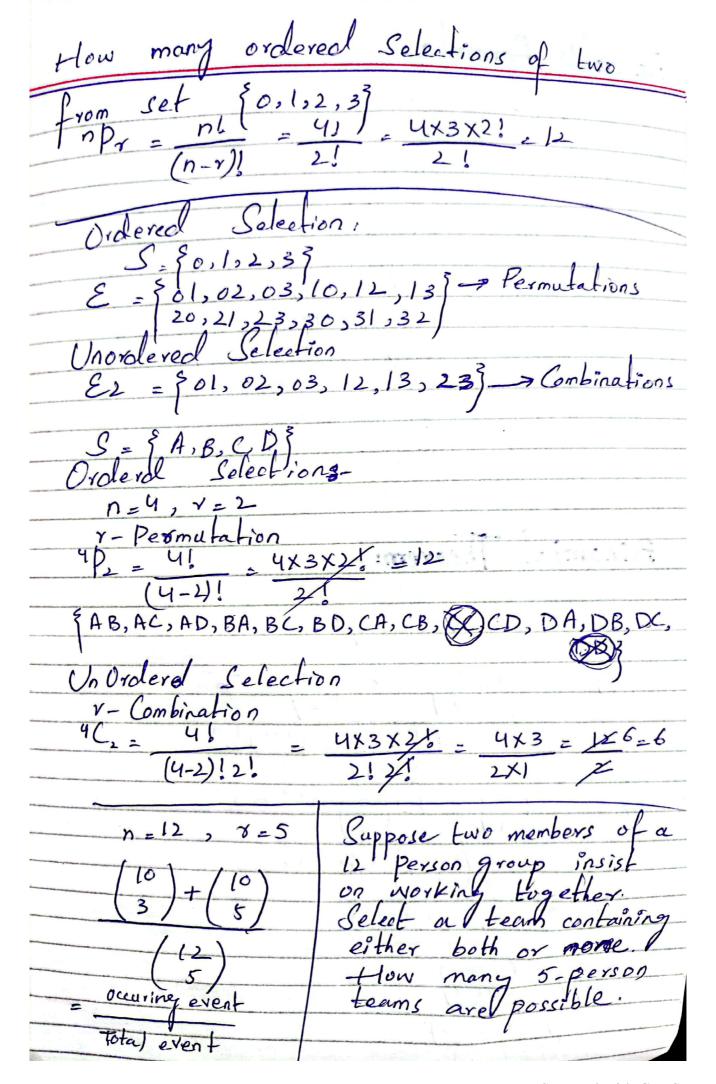
No solution object = n-1

No solution object = n-2

No solution object = n-2

No solution object = n-3 = n-(Y-1) $n P_{\gamma} = n \times (n-1) \times (n-2) \times (n-3) \times (n-3) \times (n-\gamma+1)$ "Py= nx(n-1)x(n-2)x(n-3)x---x(n-y+1)x (n-y)! np, = n! ⁸P₃ = 8×7×6×5×4×3! = 8! $\frac{5}{(5-2)!}$ 5×4×3! = 20 = 7×6×5×4×3 = 840





Pascal's Formula:n + n+1 2 15+6 = 21 Binomia a+b) = a+ +2ab+b= = a3 + 3a2b + 3ab2+b3

expression