n-boxes, n-, hon-9dentical 9thm, point all possible Permutations - 1 Thursday, 15 July 2021 7:12 PM arrangement of Terms h-boxerin Baye case np= mx(n-1) x (n-2) x(n-3) x - - · · × (n-(r-1)) To find. 2-1level and reultis options, onswer level - Hems 620 002 2100 1020 1020 10210 012 2010 2012 21 by bo obylans - paxa N=4 poxx 8=2 31,2 * Box array * current 9fm * total 9 tem

print all possible errorge muts ~ 9 dentical Storms, Combinations - 1 poxog, Thursday, 15 July 2021 or grany n boxes. N= 4 7=2. option - choices of (h-8) [8] gren Yesor No 14x3x2/ level , box Pennested 'm -21 21 Combinadon. 00 020 0 10 602 0 0 0 2

2ⁿ = n C₀ + n C₁ + n C₂ + n C₃ + Combination, n=4 822. level+ box 8 option - Chaice 9cy-1/12 4cs -, 4/10 402 -6 11 4474/1 4 co -> 1 1/V box-0

box 3 box2box I box o

all possible amongements n-boxes, r-gaentical gterms, porônt Combinations - 2 Thursday, 15 July 2021 to place or genera in nboxes. combination Permutation. level - 9 tems M=3, 9+em=2 n=3, 9+m=2. aloyous- poxol $n_{C_{r}} = \frac{n!}{(n-r)!} = \frac{3!}{1!} = \frac{3!}{2!}$ 210 201 102 0 21 0 1 2 Combinad un (n-10)

3 objects {1,2,3} places 2 [, i, i] objects 4 places, 422/ 1! 3] 203 2 20 3 0 2 3 30 103 $\binom{\mathfrak{c}}{}$ 3 10 23 3 0 | x 0 1 23 20 1032 102 0132 0 2013 201 2 0 2 13 2031 0 231 0 3 1 2 0 12 6321 3021



