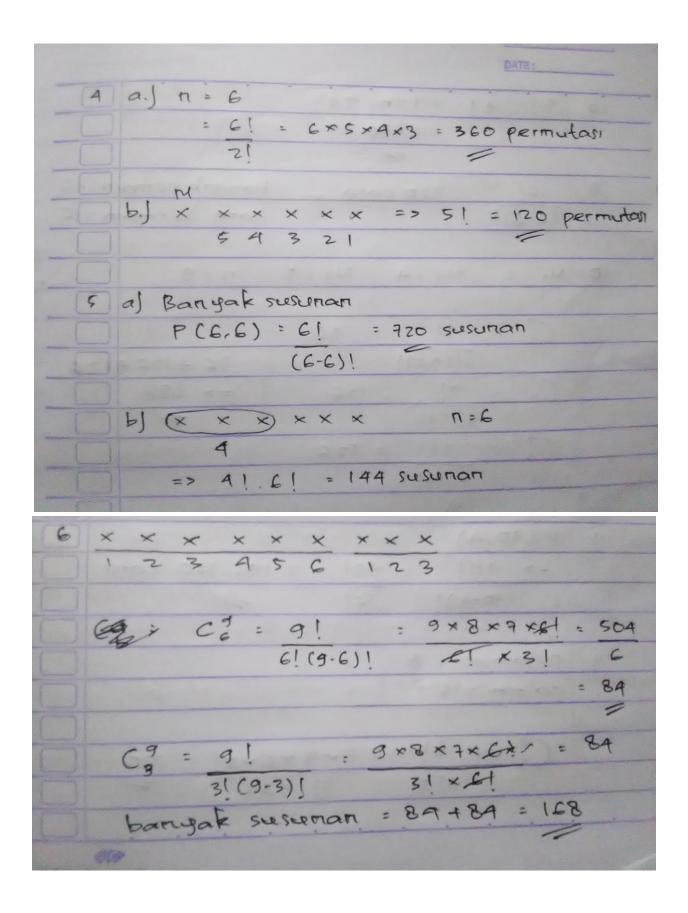
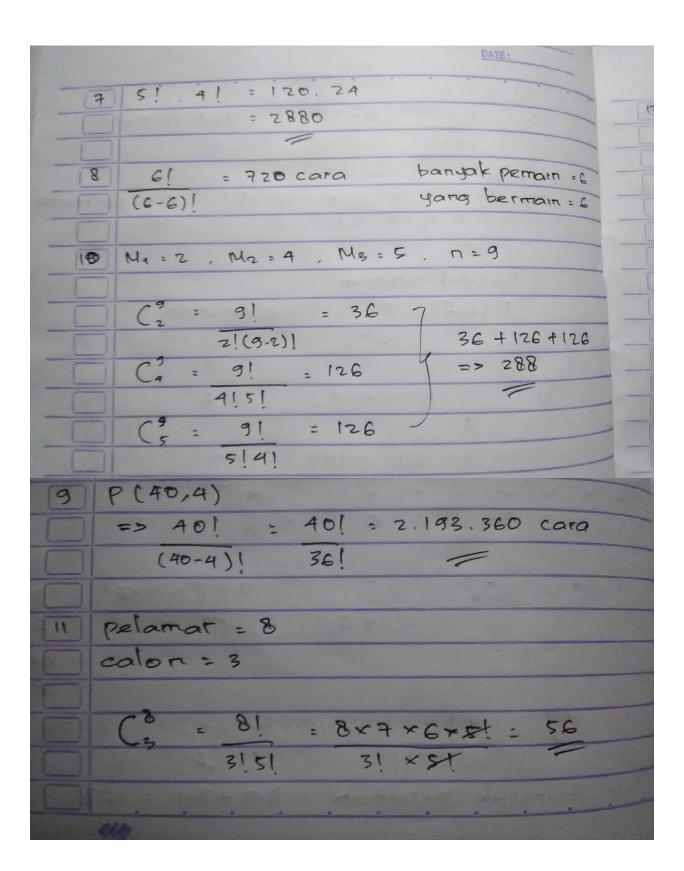
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Kelas : Teknik Informatika 4E

DATE:
[] a[n=7
=> 7! = 7 × 6 × 5 × 9 × 2 × 1
· 5040
* b  n = 7
p(7,3) = 7! = 7! = 7x6x5x4x = 210
(7-3)! 4! 4!
2 k=1, U=1, R=4, 1=1
al P = 7! : 7×6×5×4! = 210
91 7! =
b.) Phurup selain R = 3! = 6
Jadi, Rada 4 => 4 x6 : 24 permutasi
5432121
3 nasi = 3 minuman = 5
1kan = 4 n = 4
kerupuk : 2
=> 3×4×2×5 = 80 cara susun





Panitia = 4 Orang = 12 (4 = 15 | = 15 × 11 × 10 × 0 × 81 = 11880 9181 41×84 24 495 cara 14 Mainan : 15 Siswa = 5 ( = 12 | = 12x14x13x15x11x10) 21 (12-2) | 21 × 10+ = 3003 cara  $C_1^3 = \frac{3!}{2!} = \frac{6}{2} = \frac{3 \text{ cara}}{2}$ 15 16 Warna = A Digunakan: 2  $C_{2}^{4} = 4! = 4 \times 3 \times 2! = 6 \text{ kombinas}$   $2!(4.21)! = 2! \times 2! = 6 \text{ kombinas}$ 

17 (a+b) = : a= + 6a = b+ 15 a = b = + 20a > b = + 15 0 2 6 4 + 6 0 6 5 + 6 6  $(x+y)^3 = 03 + 3 - 20b^2 + 63$ = x3 + 3a2b + 3ab2+ b3 = ×3 + 3×24 + 3×42 + 43 b) (3x - 24)4 = (3x)4 - A (3x)3(24) + B(3x)2(24)2-4 (3x) (24)3 + (29)9 = 81 x4 - 216 x34 + 216 x242 +216 x43 +8141 448 × 10 98  $\binom{32}{3} = 32! = 32 \times 31 \times 30 \times 29!$ 20 3! ×29! 3! (32-3) = 4980 cara 1