

TASK 1

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SWE

- 1)  $P(250,2) = 250!/248! = 62250$
- 2)  $C(5;3,2) = 5!/2!*3! = 10$
- 3)  $2*2*2 = 8 \text{ bits}$
- 4)  $P(30,3) = 30!/27! = 24360$
- 5)  $C(6,3) = 6!/3!*3! = 20$
- 6)  $P(A) = 0$
- 7)  $C(2,1) * C(4,2) + C(4,3) = 2*6+4 = 16$
- 8) A)  $32 * C(20,9) = 5231680$   
B)  $C(15,4) = 1365$