8m 8h

grupos de 10

a) $C_{10}^{16} = \frac{A_{10}^{16}}{10!} = 8008$

b) $C_5^8 \cdot C_5^8 = 3136$

c) 2 4 6 8

8 6 4 2

$C_2^8 \cdot C_8^8$

$C_4^8 \cdot C_6^8$

$C_6^8 \cdot C_4^8$

$C_8^8 \cdot C_2^8$

$+ \rightarrow \left(C_2^8 \cdot C_8^8 + C_4^8 \cdot C_6^8 \right) \cdot 2$

3976

$[M] > [H]$

8M 7M 6M
2H 3H 4H

$$\left(1 \cdot C_7^8\right) + \left(C_7^8 \cdot C_3^8\right) + \left(C_6^8 \cdot C_4^8\right)$$

$C_8^8 = 1$

AL MENOS 6H

IGUAL

4)

15 ANIMALES

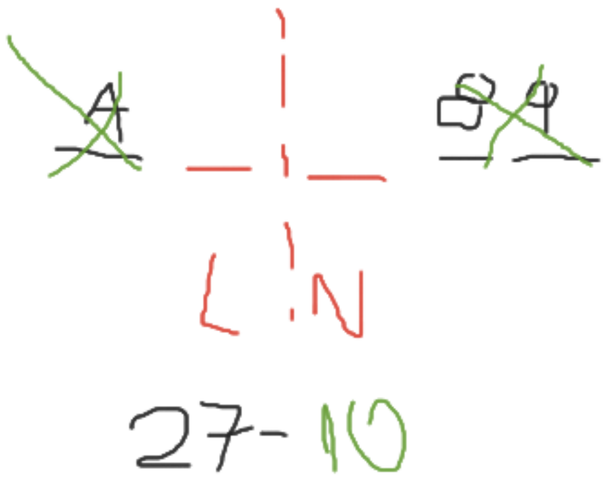
3 DIETAS

5 ANIMALES POR DIETA

15 x 10 x 5

$C_5^{15} \times C_5^{10} \times C_5^5$

756756



27 - 10

$AR_1^{27} \cdot AR_1^{10}$

$27 \cdot 10 = 270 \rightarrow$ CPR

$AR_2^{27} \cdot AR_3^{10} = 729k \rightarrow$ CPS

$$\frac{270}{729k} = 0,0009$$

$$AR_m^n = n^m$$

$\frac{4}{9}$ $\frac{3}{7}$ $\frac{3}{4}$ $\frac{}{4}$

o) ELEGIR 2 Nº (8,9) A_2^{13}

52 CARTAS

13 c/4 PALOS

C_5^{52}

a) SACAR 2-8 C_2^4

b) SACAR 3-9 C_3^4

c) $C_2^4 \cdot C_3^4 =$

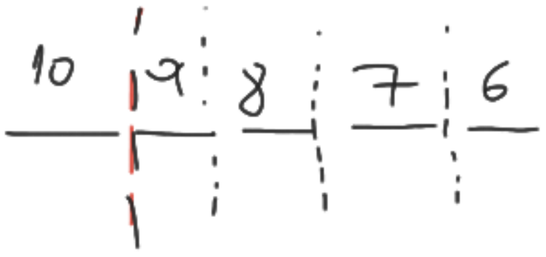
$$\frac{A_2^{13} \cdot C_2^4 \cdot C_3^4}{2598960} = 0{,}14$$

1) SACAR UN (10) 2) SACAR UN (9) . . . . HASTA EL (6)

$C_1^4 \times C_1^4 \times \dots \times C_1^4$

A _ _ _ _ _

_ _ _ _ A



$$\frac{4^5}{C_5^{52}}$$

SACAR ESCALERA → 10 ESCALERAS POSIBLES

$4^5 \times 10$

$\frac{4^5 \cdot 10}{C_5^{52}} =$

c)

$\frac{10 \times 4}{C_5^{52}}$