

$$7 \dots 3L - 27$$

14	10	2023
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$$4\# - 10$$

a) Repetir

$$\begin{array}{cccccccc} 27 & \times & 27 & \times & 27 & \times & 10 & \times & 10 & \times & 10 & \times & 10 \\ L & & L & & L & & \# & & \# & & \# & & \# \end{array}$$

$$(27^3)(10^4)$$

b) No repetir.

$$\begin{array}{cccccccc} 27 & \times & 26 & \times & 25 & \times & 10 & \times & 9 & \times & 8 & \times & 7 \\ L & & L & & L & & \# & & \# & & \# & & \# \end{array}$$

$$\left(\frac{27!}{24!}\right) \left(\frac{10!}{6!}\right) = 88452000$$

$$2 \dots 9! = 362880$$

$$9 \times 8 \times 7 \times 6 \times 5 \times 4 \dots \times 1$$

$$3 \dots P_8^7 = \frac{7!}{4!} = 210$$

$$4 \dots C_4^{14} = \frac{14!}{4!10!} = 1001$$