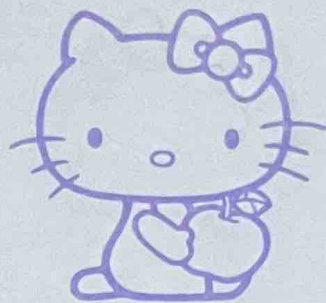


$$3L = 27$$



$$4 \text{ digitos} = 9$$

L L L L # # # #

$$27 \times 27 \times 27 \times 4 \times 9 \times 9 \times 9 = 129\ 140\ 163$$

$$(27^3) (9^4) = (27)^3 (9)^4 = 27^3 \cdot 9^4$$

b) No se recorre

$$27 \times 26 \times 25 \times 9 \times 8 \times 7 \times 6 = 53\ 071\ 200$$

$$\frac{27!}{24} \times \frac{9!}{5!}$$

Clientes 9

$$9 \times 8 \times 7 \times 6 \times 5 \dots 9!$$



7 competidores

3 Primeros Lugares

$$P \frac{7}{3} \rightarrow \frac{7!}{4!} = 210$$

$nPr = 7P_3$

14 Platos totales
4 platos

$$C \frac{14}{4} = \frac{14!}{4! \cdot 10!} = 1001$$

$$nC_r = 14 C_4$$