Taller   #4

1.

a.   3   x 5 x 3 xz

                90   vehiculos

b.   10   x   5 x 3 x2

                3∞   vehiculos

2.

. 26 letras

10 digitos

        26 x26x 26 x 10x 10 x 10

            17.576.000 placas

. 26 x 25 x 24 x 10 x 9 x 8

        11.232.000

3.

2^{11} = 16384   cadenas   de   16 bits

5.

12 personas   p(12,4) $\dfrac{12!}{(12-4)!}$ = $\dfrac{12!}{8!}$
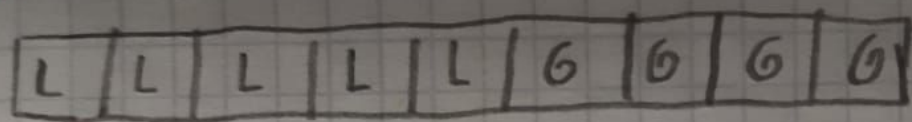
4 cargos

                                        = 11.880 formas

6.

a. 4 libros griego   5 en latin
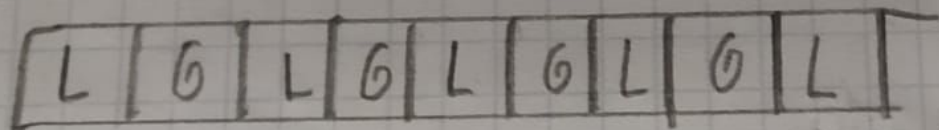
$4 + 5 = 9$

$9! = 362$

$9! = 362.880$ formas

b.

L	L	L	L	L	G	G	G	G

$6! \times 5! = 86.400$

c.

L	G	L	G	L	G	L	G	L

$2 \times 4! \cdot 5! = 5760$