

Juan Moreno

2.

$$a.) C(30,8) = \frac{30!}{(22)!8!} = \underline{5,852,925}$$

b.)

$$C(12,3) = \frac{12!}{(9)!3!} = 220$$

$$C(18,5) = \frac{18!}{(13)!5!} = 8,568$$

$$8,568 \times 220 = \underline{\underline{1,884,960}}$$

c.)

$$P(30,8) = \frac{30!}{22!} = \underline{\underline{235,989,336,000}}$$

a) Asociativa

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Scribe

x	y	z	$(x+y)+z$	$x+(y+z)$
2	2	2	0	0
0	2	2	0	0
2	0	2	0	0
0	0	2	0	0
2	2	0	0	0
0	2	0	0	0
2	0	0	0	0
0	0	0	0	0

x	y	z	$(x \cdot y) \cdot z$	$x \cdot (y \cdot z)$
2	2	2	0,5	0,5
0	2	2		
2	0	2		
0	0	2		
2	2	0		
0	2	0		
2	0	0		
0	0	0		

No es un algebra booleana.