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R-Possitions
$$\frac{12!}{8!} = 12 \times 11 \times 10$$

$$\frac{9!}{(n-r)!}$$

$$= \frac{(n) \cdot (n-1) \cdot (n-2) \cdot \dots \cdot (n-r+1)}{(n-r+1)}$$

$$\frac{1!}{2!} \text{ By consets, } 0! = 1 \text{ only 1 wey to order the entry } 0$$

$$\frac{(n)}{(n-r)!} = \frac{(n-r+1)!}{(n-r+1)!}$$

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$$\frac{(n-r+1)!}{(n-r+1)!}$$

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$$\frac{(n-r+1)!}{(n-r+1)!}$$

Counting with repetitions k-permbate of a set of n abjis there (n+r-1) r-combinate francise ?

Cre (n+r-1) r-combinate francise?

Cre (n+r-1) r-combinate francise?