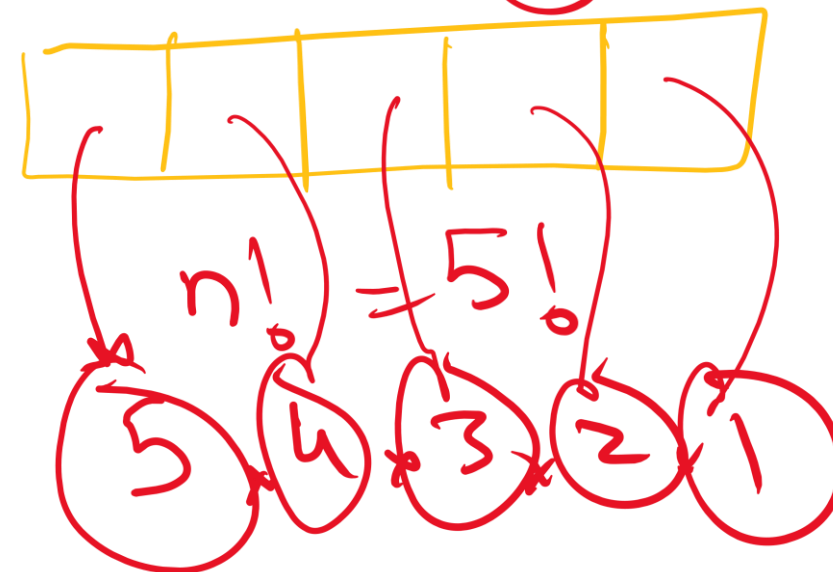
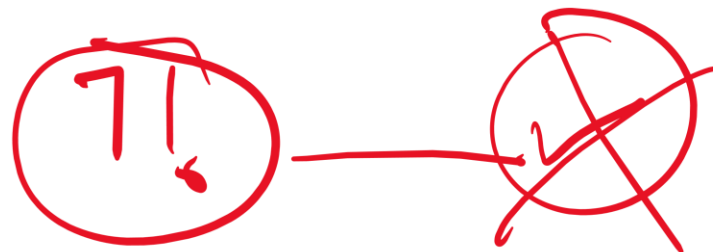


~~CRI~~ TABLE
 $S = \{T, A, B, L, E\}$
 $n = 5$





$$\frac{7!}{2!}$$

MISSISSIPPI

11!

$$\frac{11!}{4! 4! 2!}$$

0 0 0 0 0 0 0 0 0 0

n

20

No Coke

15

Binomial Term

5

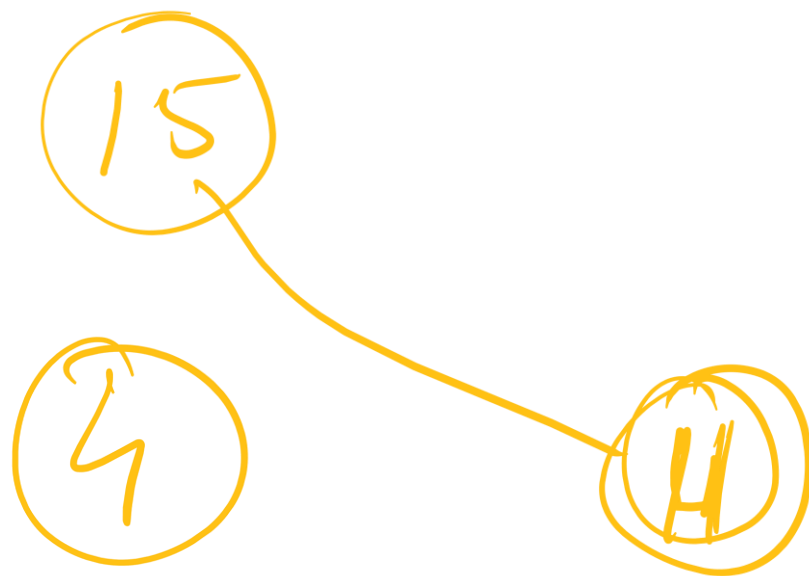
Coke

k

$\binom{n}{k}$

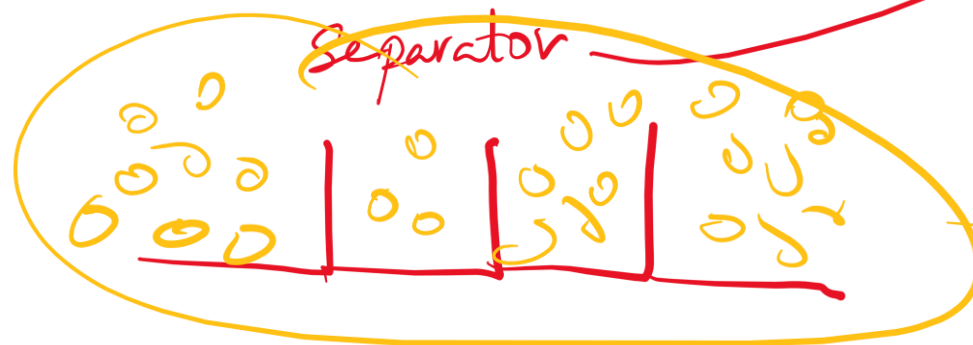
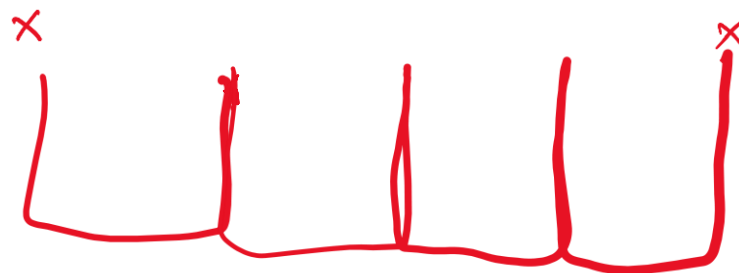
$$= \frac{n!}{k! (n-k)!}$$

$$= \frac{20!}{5! 15!}$$



$$\binom{n}{k} = \frac{n!}{k! (n-k)!}$$

$$\text{Separator} = k - 1$$

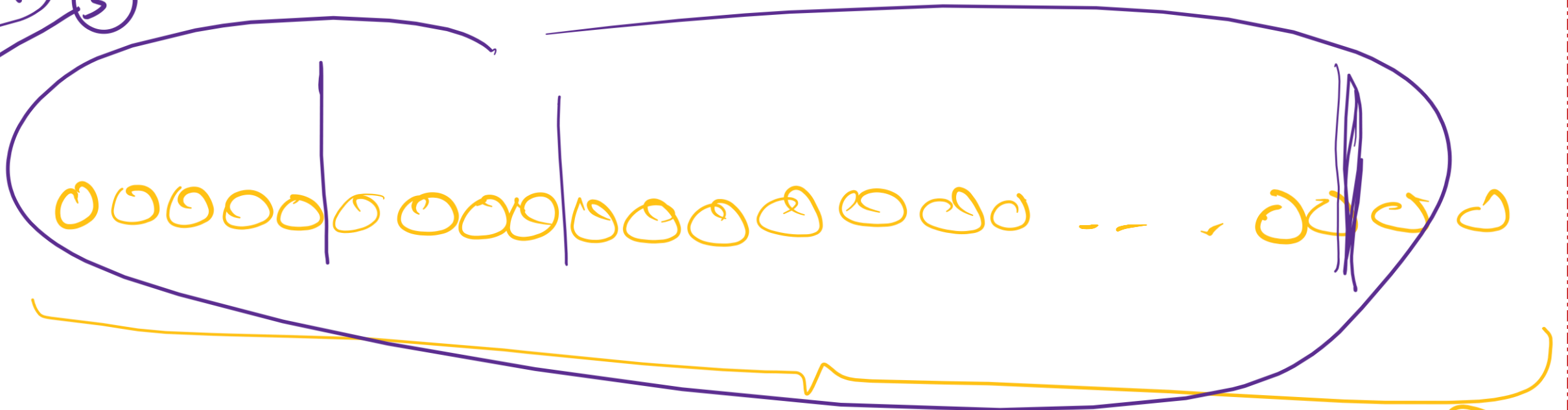


Separator

n

$$\frac{n!}{k! (n-k)!}$$

$r=4$ (3)
 sep



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

n
 balls