

ABC

~~475 (6)~~

• $i=0$ { ABC, BAC, CBA }

• $i=1$ { BAC, ABC, ACB }
 { ABC, BAC, BCA }
 { BCA, CBA, CAB }

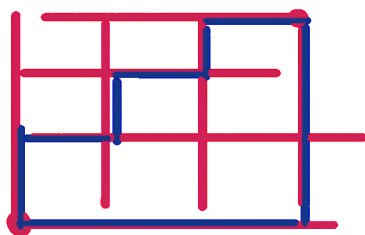
$\frac{N}{2}$

$\frac{+1+1+1-1-1-1}{+1-1+1+1-1}$

$$x \leq p \leq 2x$$

$$\mathbb{D} \neq \mathbb{O}$$

$$N_{\text{par}} = \underbrace{2x + \mathbb{D} + 2y + \mathbb{O}}$$



$$x+y=N$$

$$\frac{(x+y)!}{x!y!}$$

$$N! \left(1 - \frac{1}{2!} + \frac{1}{3!} - \frac{1}{4!} + \dots \right)$$

$$\left[\frac{N!}{e} \right] \quad \frac{2}{2} = 0, \dots$$

BA



$$\frac{\frac{N!}{x!y!}}{N!} = \frac{1}{x!y!}$$

$$D_n = n! \cdot \left[\frac{1}{0!} - \frac{1}{1!} + \frac{1}{2!} - \frac{1}{3!} + \dots + \frac{(-1)^n}{n!} \right]$$

$$D_n = \frac{n!}{e}$$

PIFF

$i=n: \underbrace{\text{fib}(n) = \text{fib}(n-1) + \text{fib}(n-2)}$

$$i = \overline{n+1} : \quad \bullet$$

$$D \times D \overbrace{D \times D}^{\text{DADA}} \dots$$

AI 42

$$\hookrightarrow x+y+z = n$$

$$(x, y, z) \in \mathbb{N}$$

$\underbrace{x=y}_{\text{querer}} : 2x + 3 = \tilde{n} = \frac{(n+1)!}{\frac{n!}{2}} = \frac{n+1}{2}$

$$= \frac{(n+2)!}{n! \cdot 8! \cdot 3!} - \frac{n!}{2}$$

$$= \frac{(n+2)(n+1)}{x+y} - \frac{n+1}{2} = 3$$

$$\frac{\overbrace{n+1}^{++}}{2} \left(\underbrace{n+1}_{3! 2!} \right) = \frac{(n+1)^2}{2}$$

$$2x + 3 = 3$$

$$C_k + z = 3$$

$$\begin{array}{r} 0 + 3 \\ \hline 3 \end{array}$$

2+1

3 + 0

Se \bar{u} tiver sinal...: ok. ✓

Se estiver: então

$$\frac{\cancel{(n+1)^2}}{\cancel{2n^2}} = \frac{(n+1)^2}{\cancel{2n^2}} \Rightarrow \frac{n+1}{n!} = \frac{n+1}{n!}$$

$n=2$ ok
 $n>2$ false