Usia axel di rahun - n U C n) * Base cose: UC 2010) = 1 * fekurens: U(n) = U(n-1) + 1UC2024) = UC20237 +1 -> 13 +1 = 14 U(2023) = U(2022) + 1 - 12 + 1 = 13 $U(202) = U(2021) +1 \rightarrow 11 +1 = 12$ 4 (2020) = 10 -> u(2021) = u(2020) + 1 - 10+1

$$\frac{1}{2} \cos z = \frac{1}{2} \cos z = \frac{1}{2}$$

$$\frac{1}{2} \cos z = \frac{1}{2}$$

$$\frac$$

$$\begin{cases}
\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \\
\frac{1}{2} - \frac{1}{2} - \frac{1}{2}
\end{cases}$$

$$\begin{cases}
\frac{1}{2} - \frac{1}{2} - \frac{1}{2} \\
\frac{1}{2} - \frac{1}{2}
\end{cases}$$

$$\begin{cases}
\frac{1}{2} - \frac{1}{2} - \frac{1}{2}
\end{cases}$$

$$\frac{f(n)}{f(n)} = \frac{2f(n-1) + 1}{1}$$

$$f(n) = \frac{2f(n) + 1}{1}$$

```
5 | = 120
                        5! = 5 * 4!
    - 5x4x3x2x1
U_{i} = U * (U-3) * CU-5) * \cdots * 7
                  * Base cose
fact (n) = n 
f(1) = 1
 5! = 5 - 4! , 4! = 4 + 3!
 N! = n \times cn - 2)!
 fact(n) = n \times fact(n-1)
```

4 Back tracking

Junious orang - Distrit Chica Lihivung Jan')

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```
3 Pangkat (n) = 3 + 3 Pangkat (n-1)
Pangkat (a,n) = a + Pangkat (a,n-1)

Base case: Farau n=1 return a
            1,1,2,3,5,...
    tibo CM = Tibo cm-1) + Fibo cm-2)
     Basecase: Tibo(1) = 1 , Tho (2) = 1
```

torde Recursif $\frac{1}{1} - \cos x = \frac{1}{1} + \frac{1}{1}$ $\frac{1}{4} + \frac{1}{4} + \frac{1}$ Base case outleast:

PCMI, PCMI, ---
PCMI, PCMI, ---
CMI PCMI, PCMI

f(n) = f(n-1) + f(n-2) + f(n-3)Bosse case: f(n) = f(n-1) + f(n-3)For Case: f(n) = f(n-1) + f(n-3)