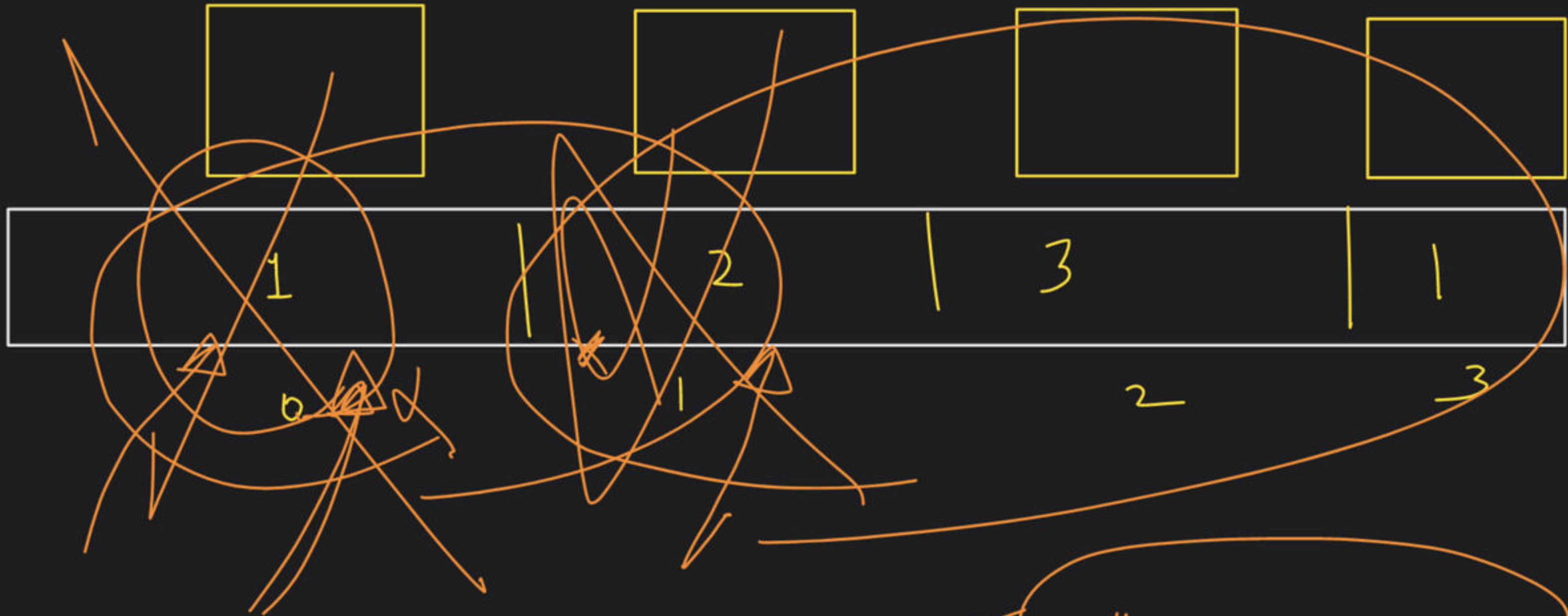




Dynamic Programming Class-2

Special class

money



i^{th}
 $i \rightarrow$ chori karta hai

at 1, $i=1 \rightarrow$ α nahi kr
sakt

kr sakte
nu

$i-2$

$i-2$



$L \rightarrow R$

$$i+ \quad \text{include} = \text{hums}[i] + \text{solve}(i+2)$$

$$i+ \quad \text{exclude} = 0 + \text{solve}(i+1)$$



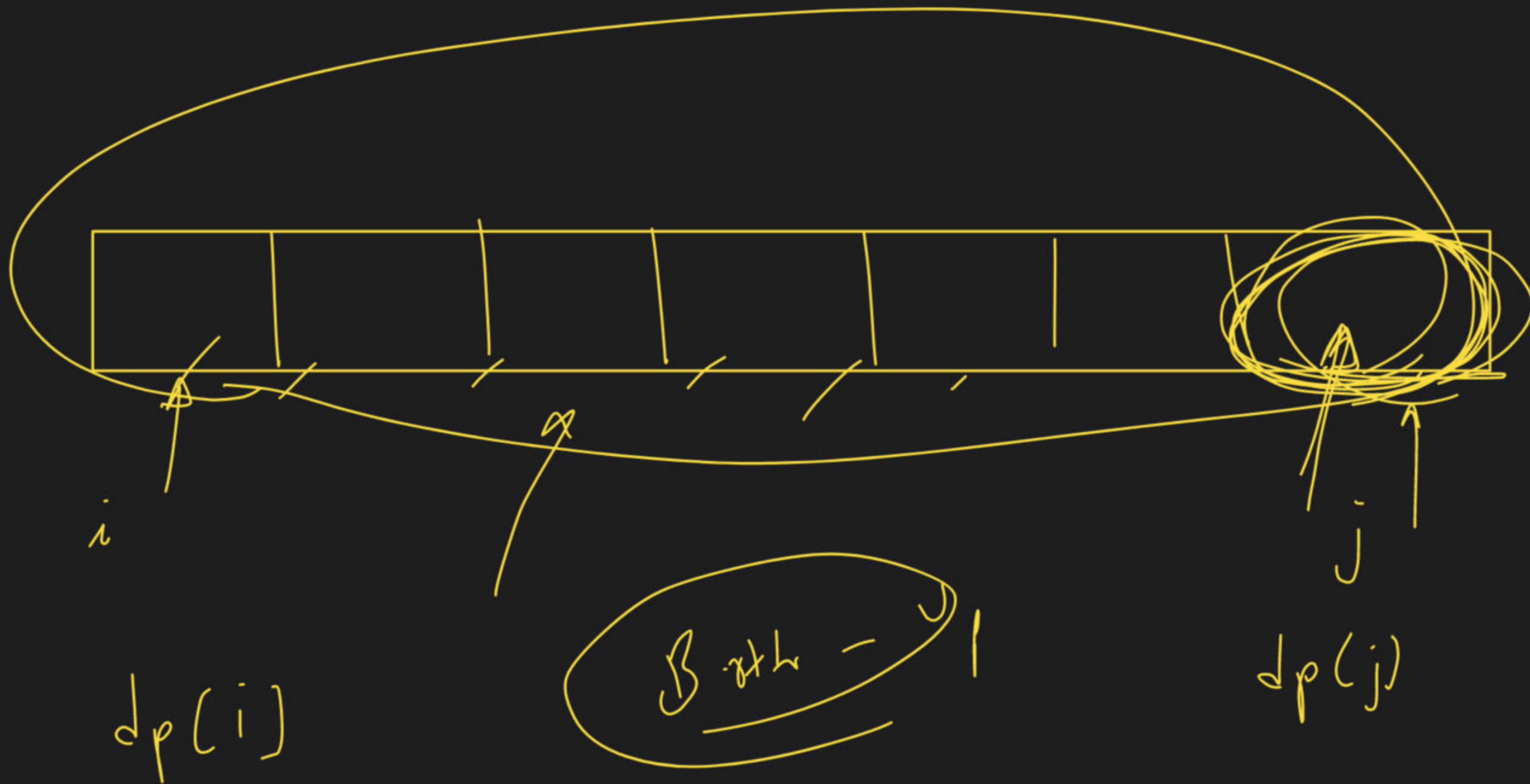
$n = \text{size} - 1$

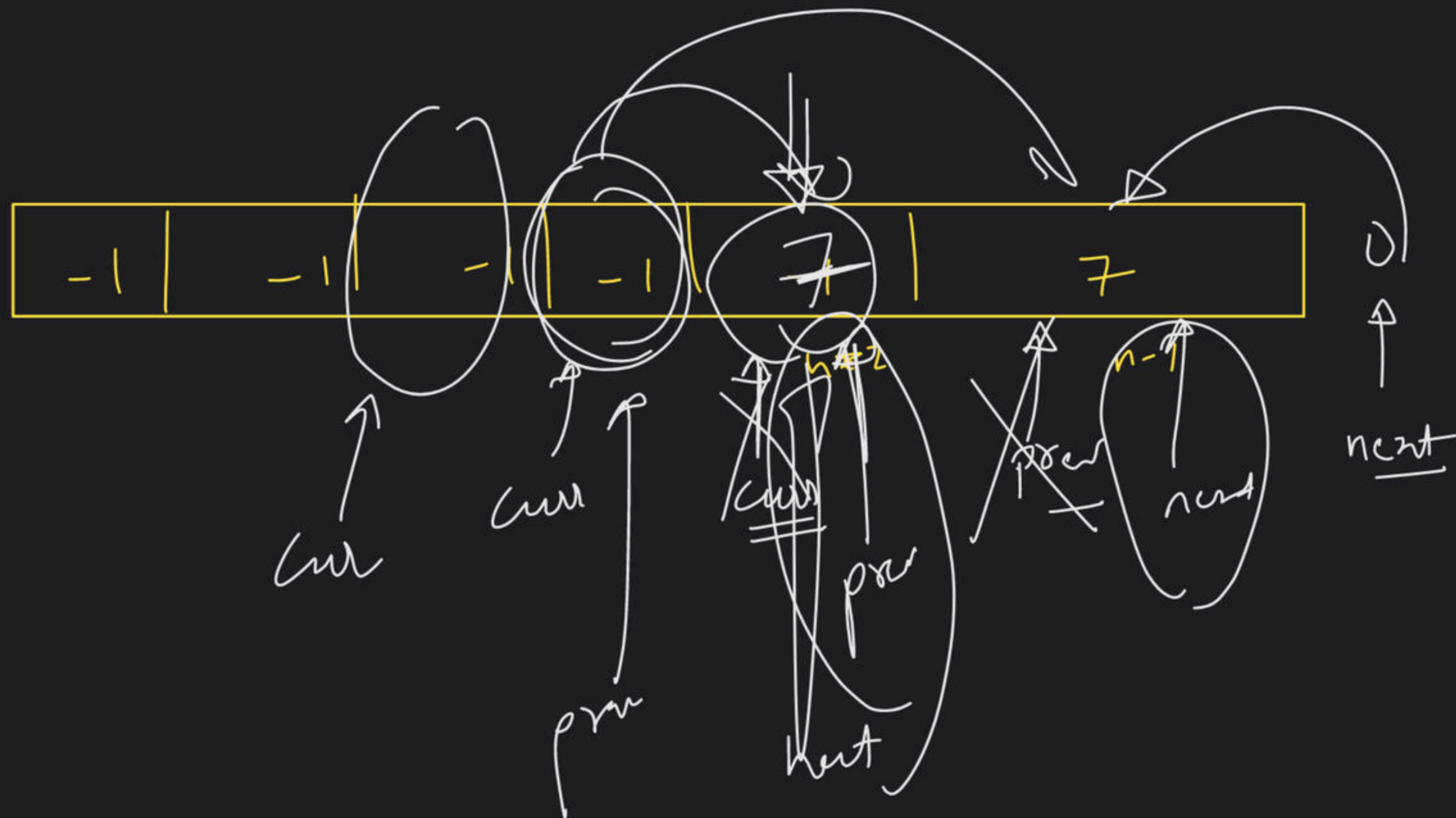
$R \leftrightarrow L$

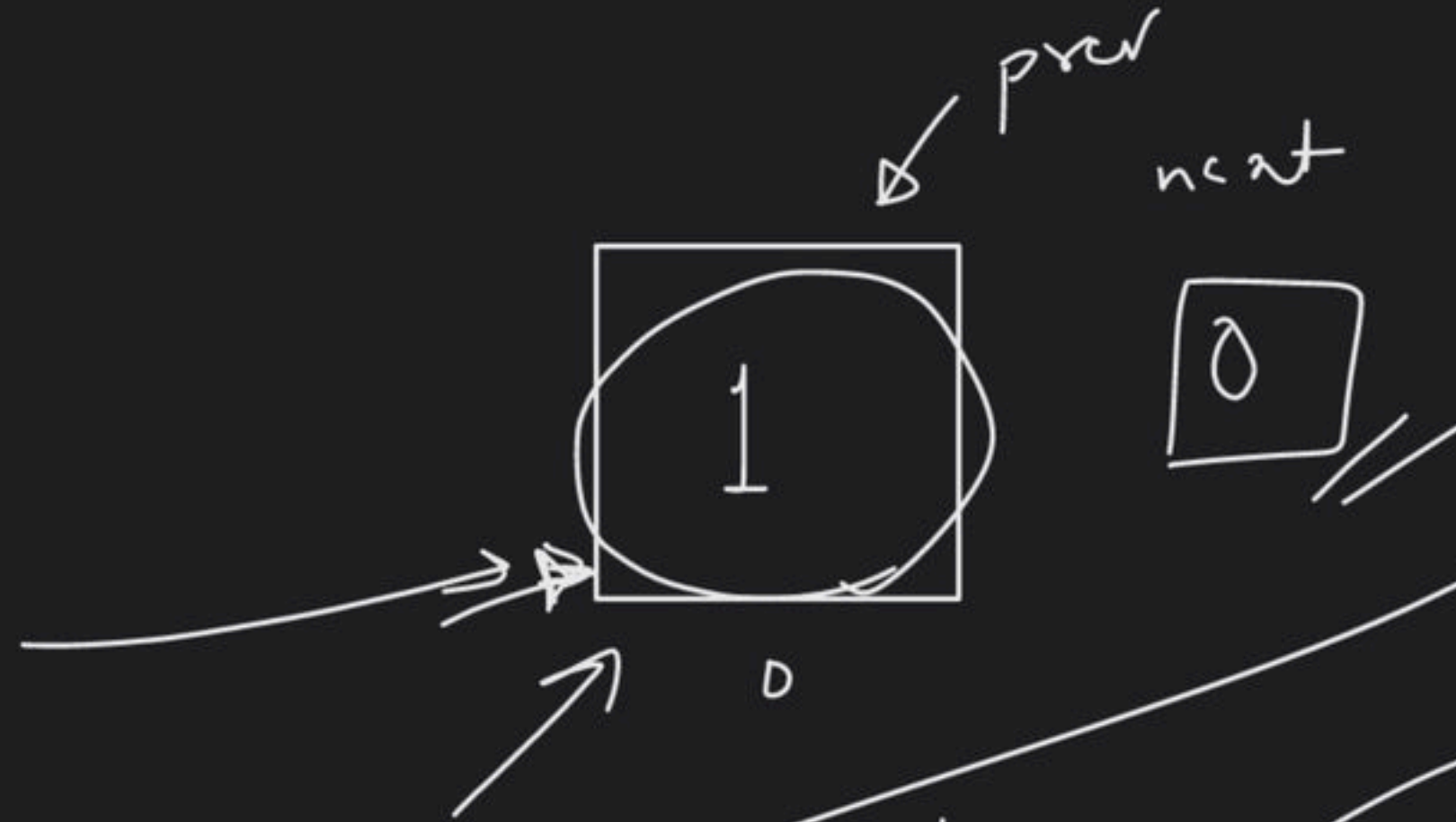
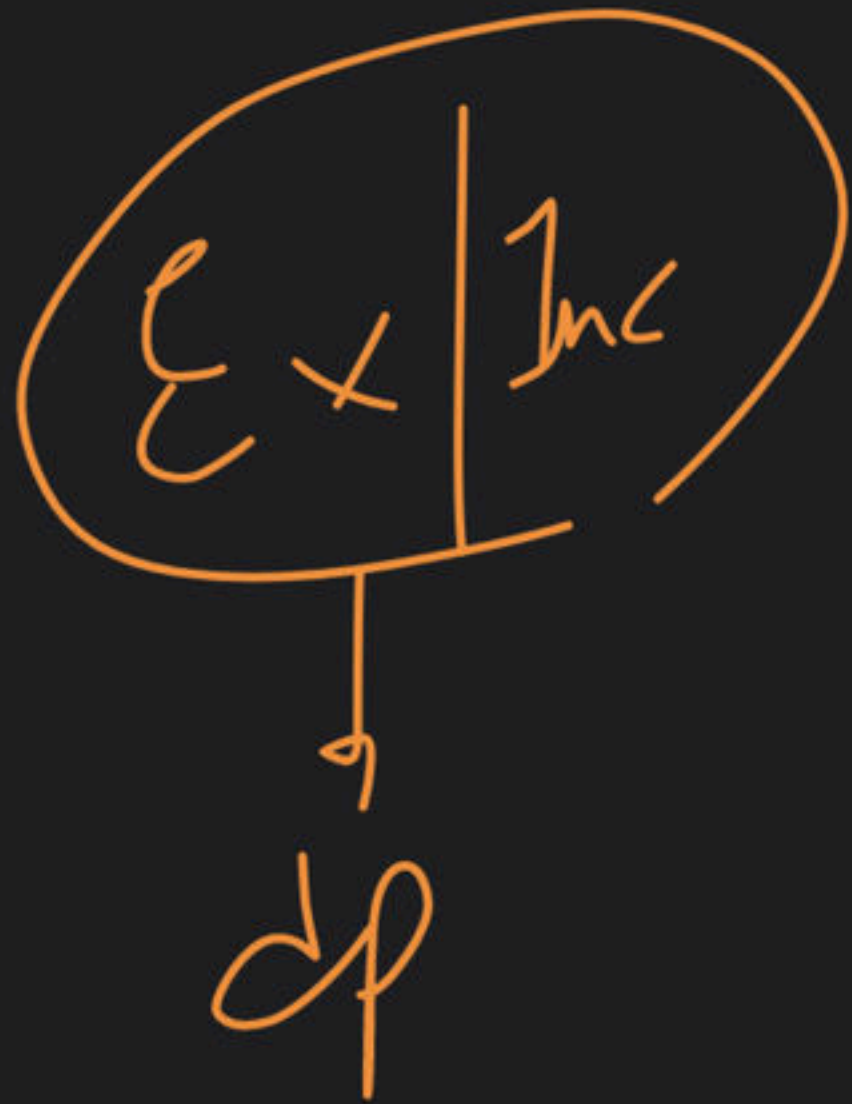
$L \rightarrow L$

$$\text{include} = \text{nums}[n] + \text{solve}(n-2)$$

$$\text{exclude} = 0 + \text{solve}(n-1)$$







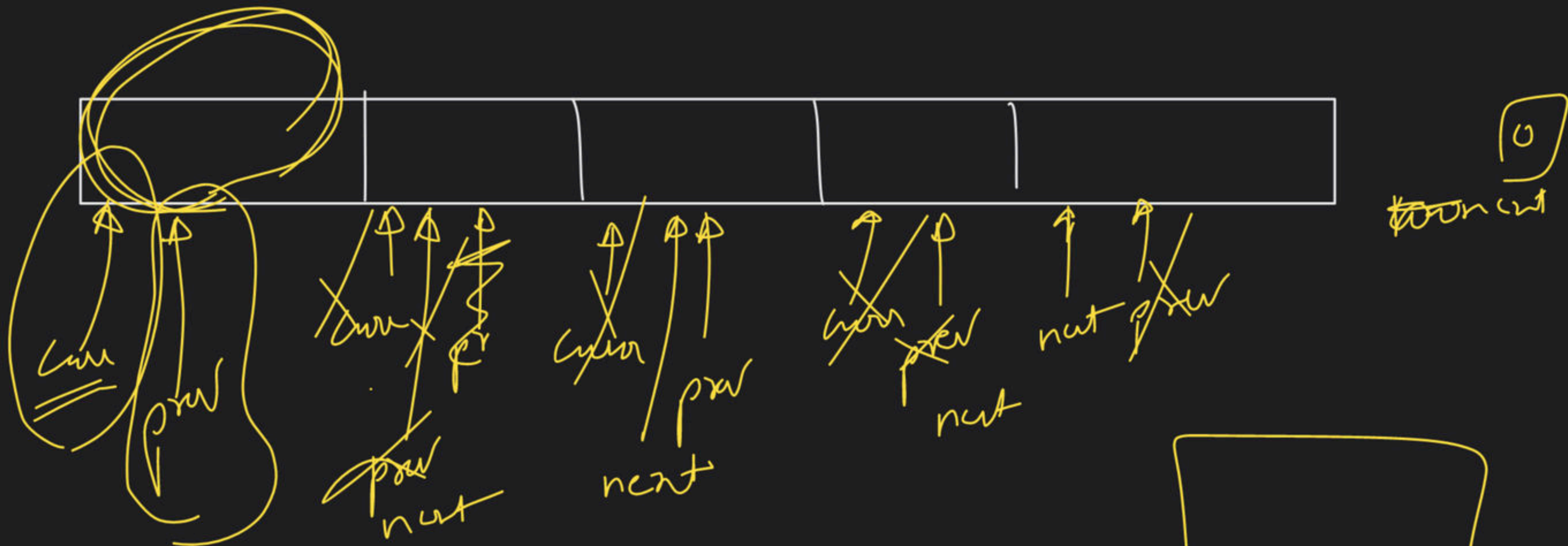
~~prev = 1~~

int cur = 0;

~~return prev~~

loop
chalya wali

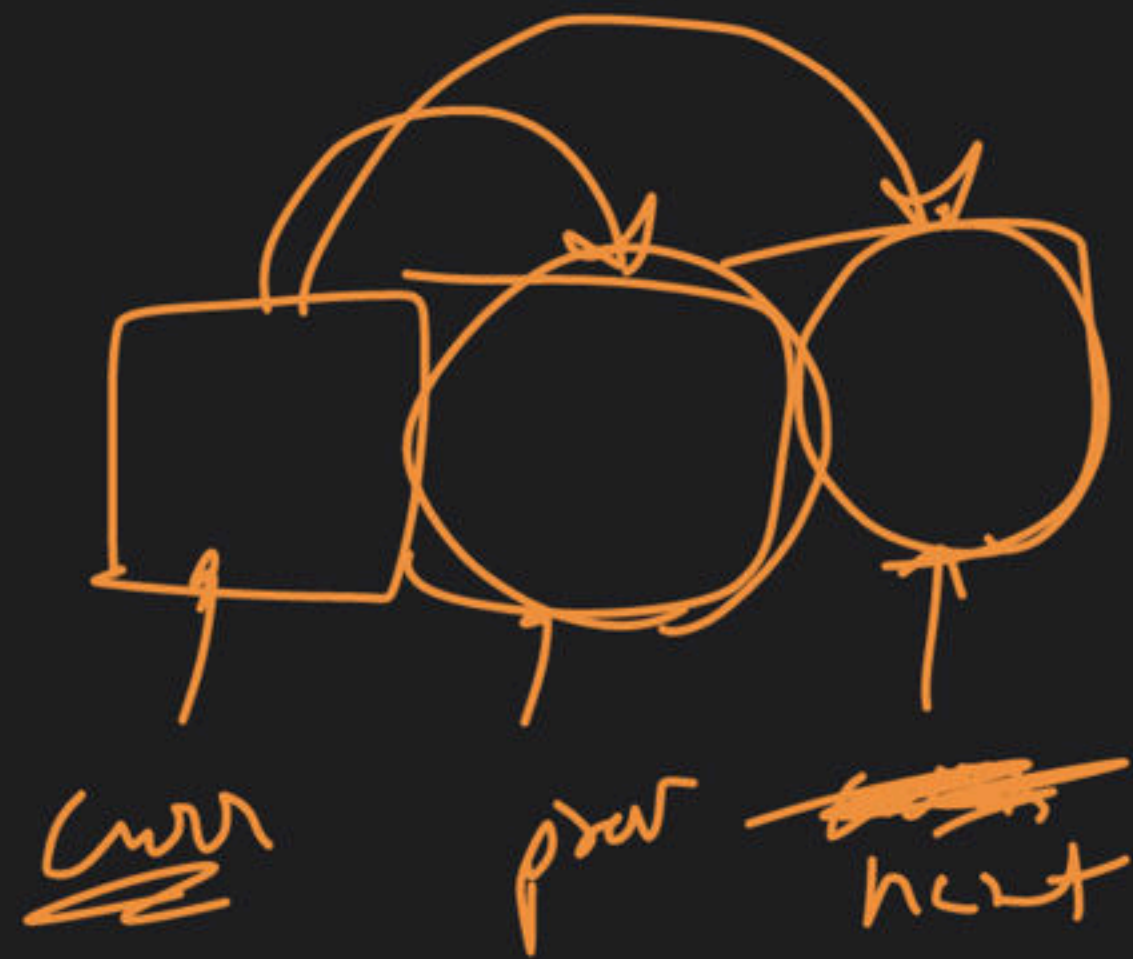
for (n-2)
1-2 → -1 >= 0



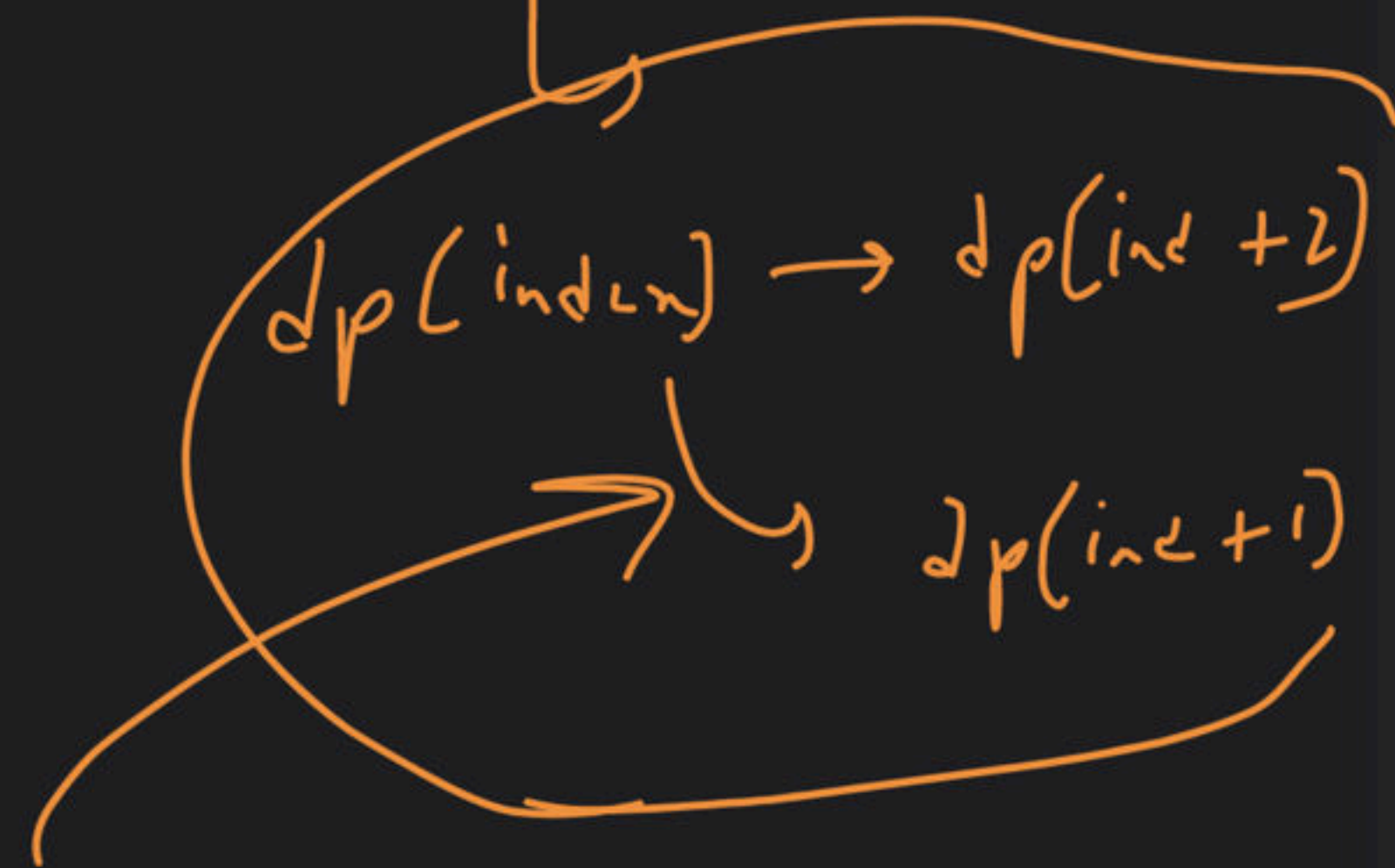
curr

A large, hand-drawn orange arrow pointing from left to right, starting below the word 'curr' and ending below the word 'shift'.

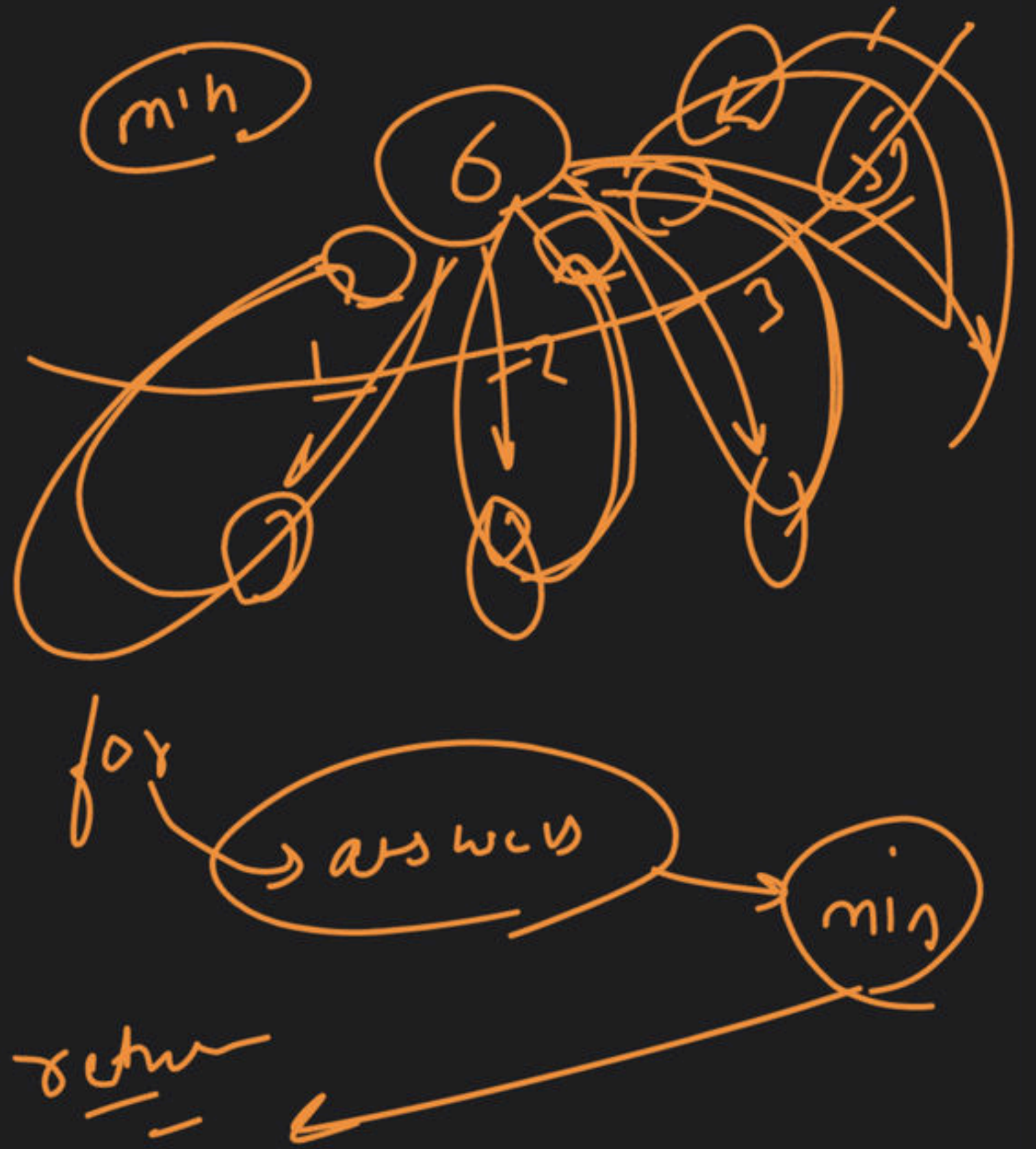
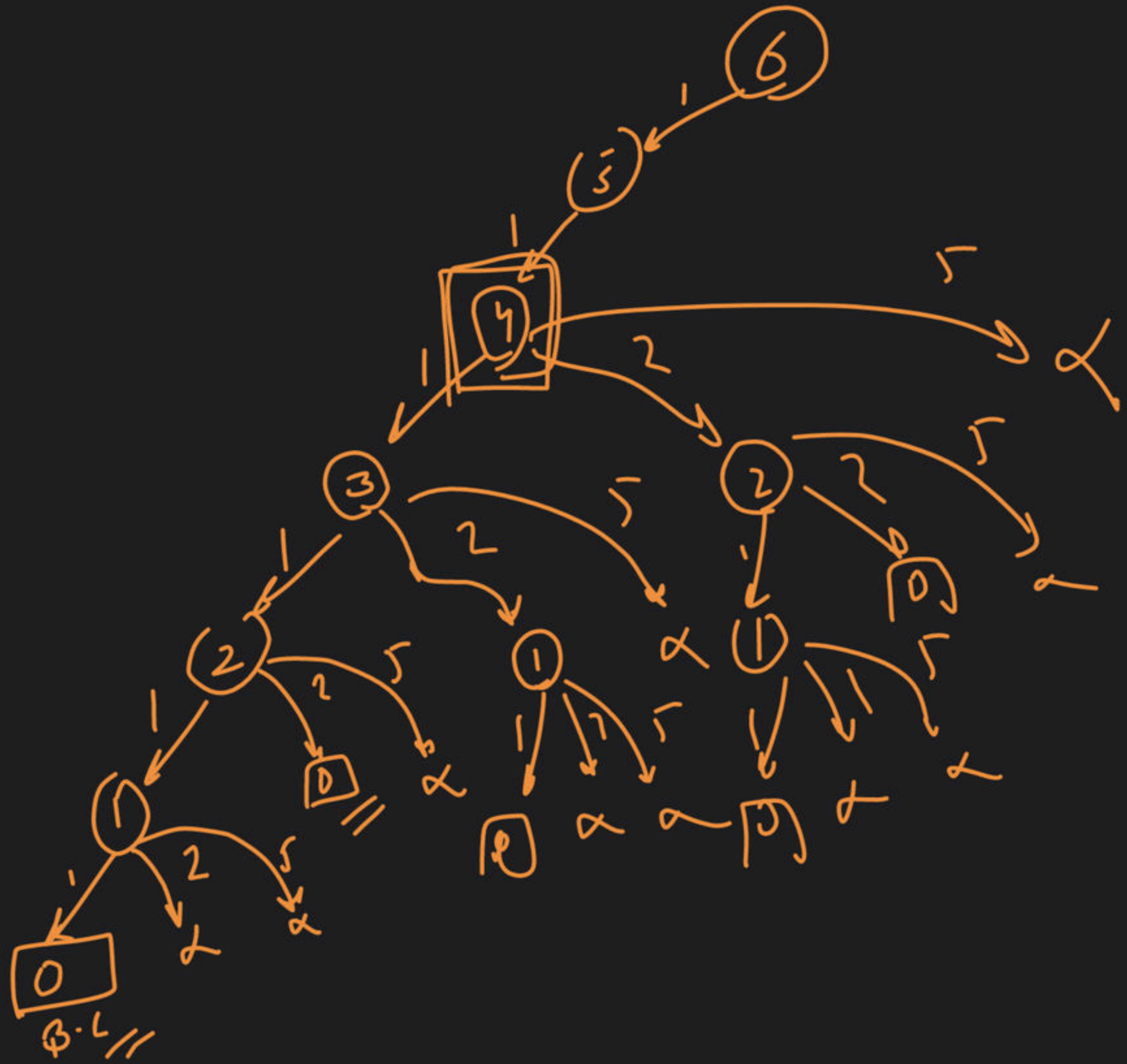
A hand-drawn orange box with rounded corners, containing the word 'shift' written below it.



code -> Tabulation



1, 2, 5



$O(\text{amount} \times n)$

$1, 2, 3, \dots, n$

~~$dp[i] \Rightarrow dp[i]$~~

1, 2, 3

$dp[\text{value}]$

$dp[\text{value} - \text{coins}[i]]$



Value

Why?

~~Rat~~

Ratta α































