

$a = 0$
 $b = 1$
 $\text{int } c = 0;$

$\text{for (int } i = 2; i < n; i++) \{$
 $c = a + b;$
 $a = b;$
 $b = c;$
 $\}$

return c ;

→ rec

→ obj

→ memo

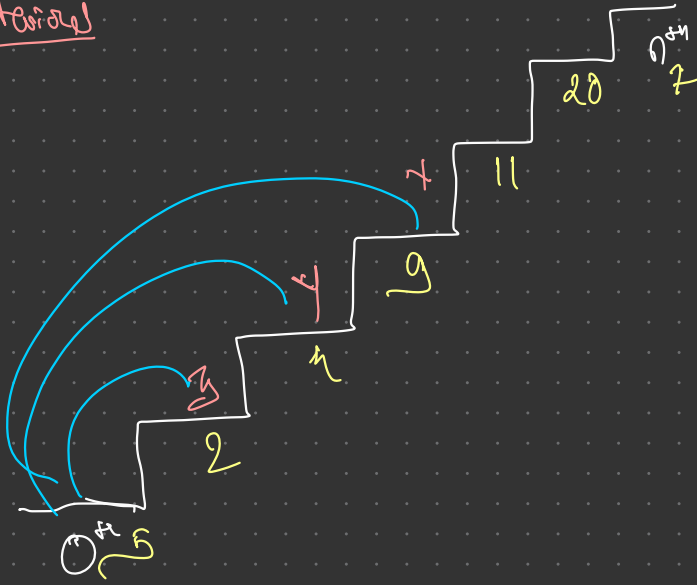
→ DP

→ tabular

→ space-optim

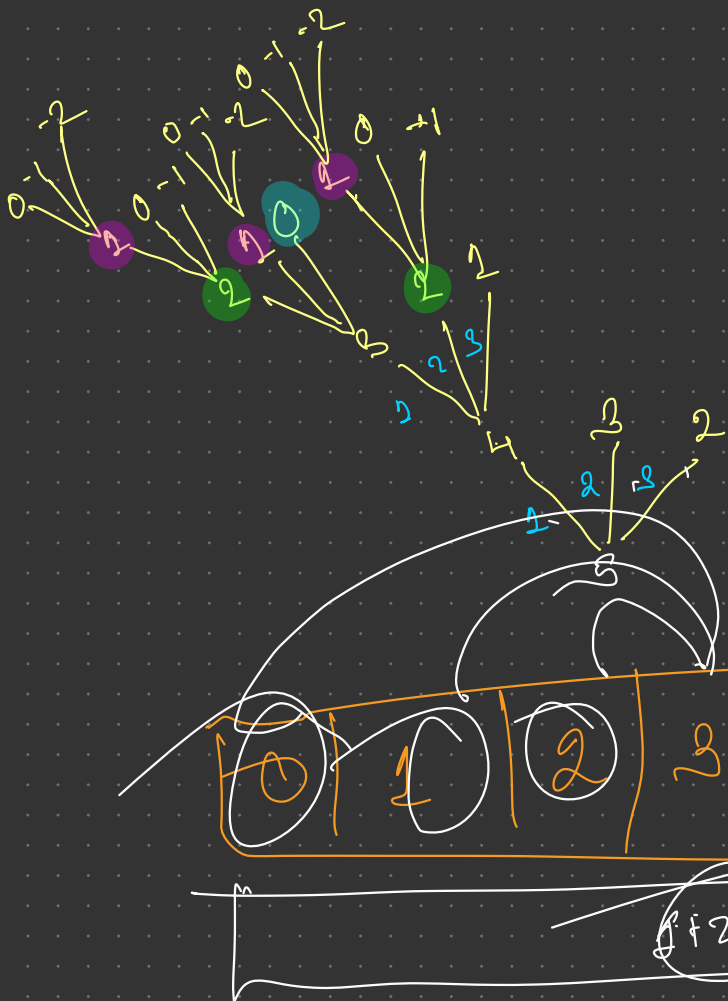


Climb Stairs



→ you can take upto 3 steps
→ figure out total no of ways

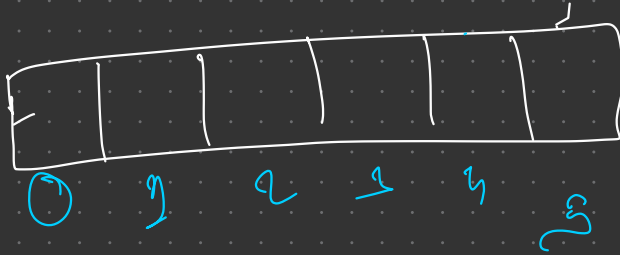
→ find the min cost that you
have to reach at top.



Второй.

$\Sigma v m p$

$n-1$
 $n-2$
 $n-3$



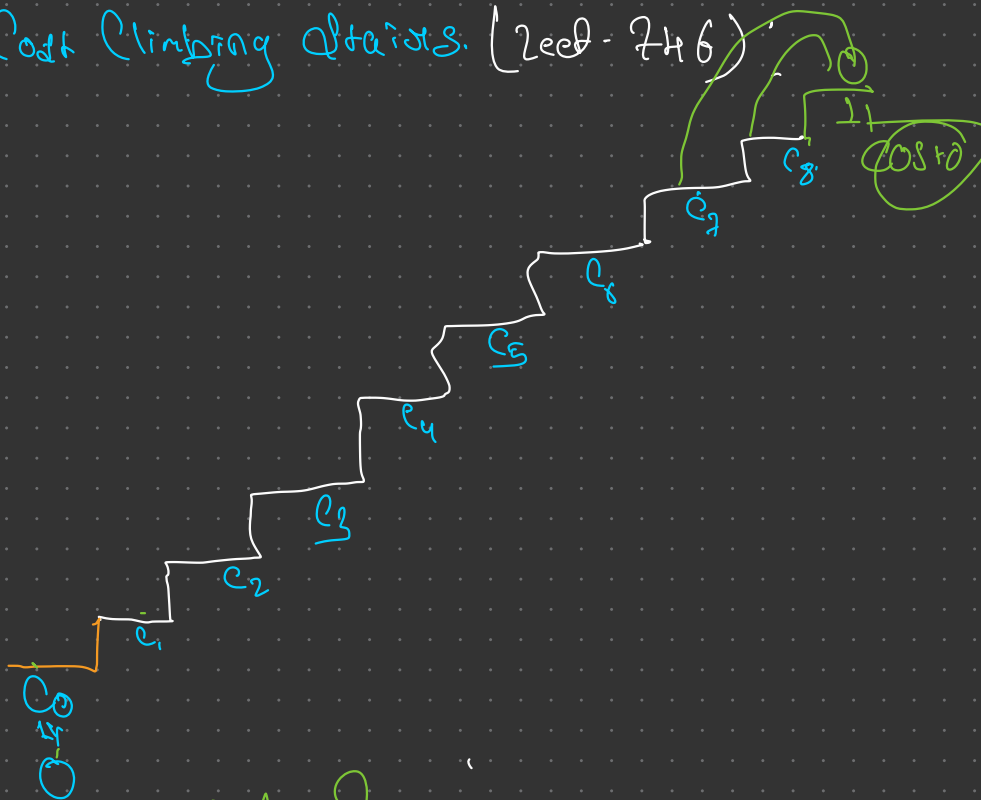
$$1 + 2 + 3$$

$$0 + 1 + 2 + 3$$

$$(0 + 1)$$

$$1 + 2 + 3 + 3 = 6$$

Q) Min Cost Climbing Stairs. (Leet - 746)



Coding H/w ?

→ all maze path

→ maze path with sum

→ min cost maze path.

⇒ H/w
Problems

Q2) Decode Ways (Leet - 91)

You get a string of numbers

"123456" \rightarrow

- A \rightarrow 1
- B \rightarrow 2
- C \rightarrow 3
- D \rightarrow 4
-
- 1 \rightarrow 25
- 2 \rightarrow 26

"12" \rightarrow 2

1 2
 $\swarrow \searrow$
A B

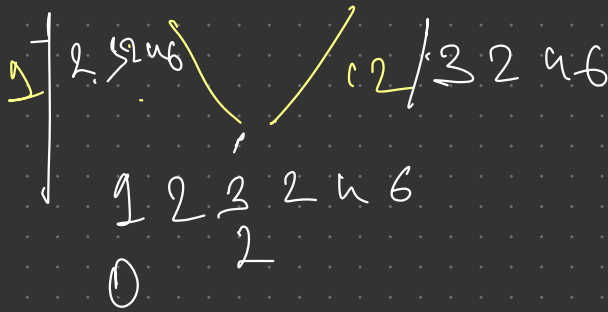
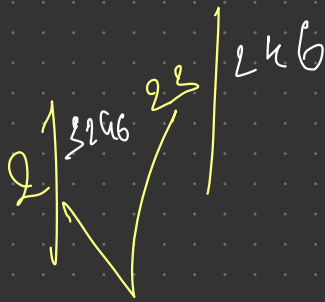
"2" \rightarrow "1"

"226" \rightarrow 3

1 2 6
 $\swarrow \searrow \searrow$
B B F

22-6
 $\swarrow \searrow$
V T

2, 26
B Z



+2

