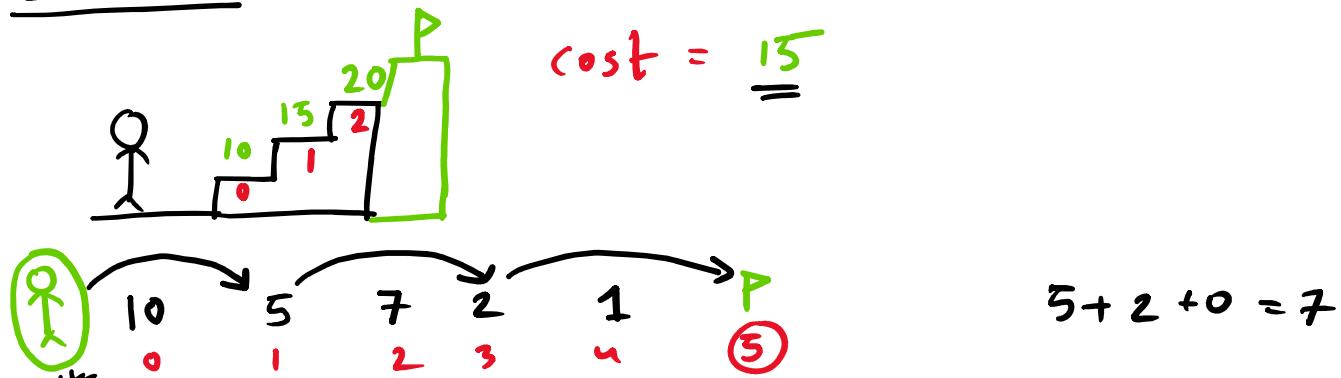
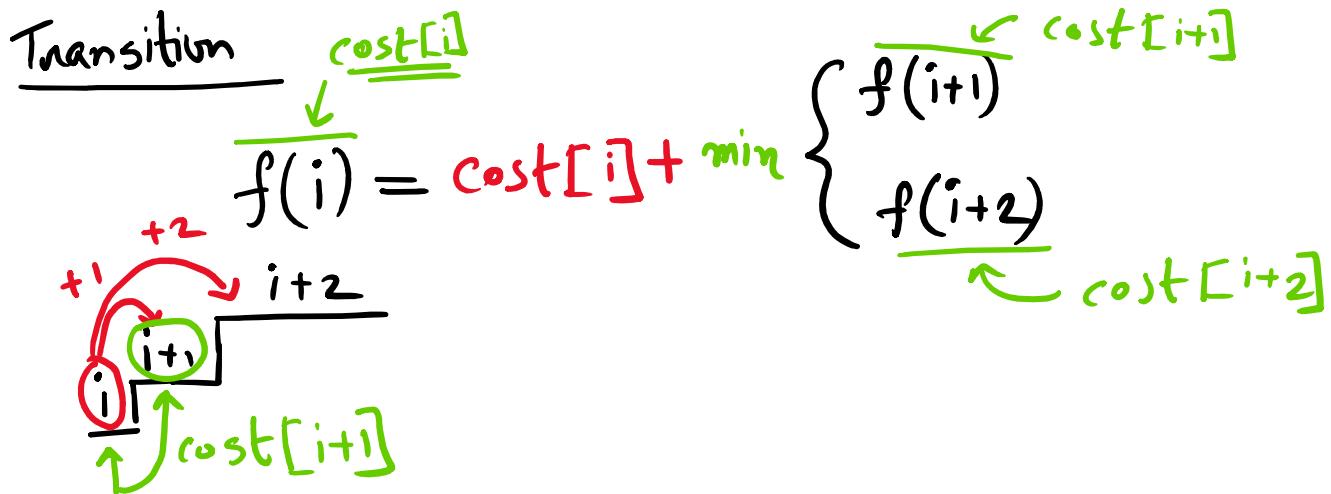


StaircaseDefinition

$f(\underline{\text{step}})$ = min cost to reach last index from
 $\underline{\text{step}}$ + including cost of $\underline{\underline{\text{step}}}$

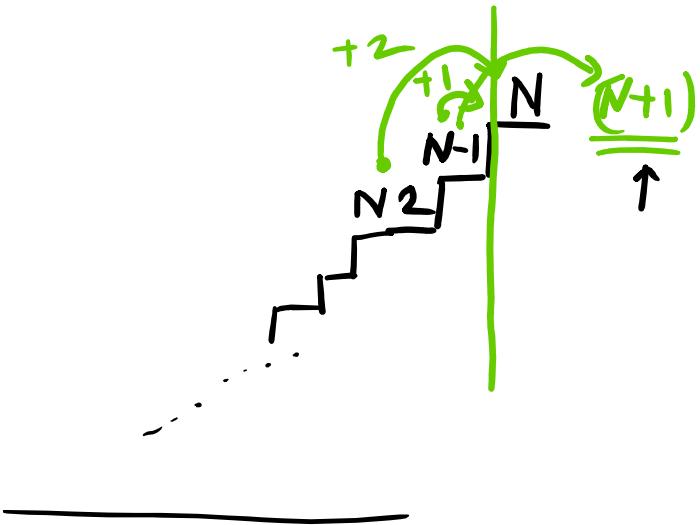
(0 - 5)



Base Case

$$\boxed{i \geq N}$$

$$f(i) = 0 \quad \forall i$$



① $1 - x \rightarrow 1, 2, 3, 4, \dots, x$

② $\underline{[1, 5, 10]} \rightarrow$

Kadane's Algorithm

$O(N^3)$

1	-2	$\begin{bmatrix} 5 & -3 & 7 \\ 2 & 3 & 4 \end{bmatrix}$	-10
0	1		5
		$\xleftarrow{\text{sum}}$	
↑	↑	↑	↑
0	L	R	$n-1$

M.S.S = 4 9

result =

for ($L = 1 - N$) { $\rightarrow L = 1, 2, 3, \dots, N-1$

 for ($R = L - N$) { $\quad R = L, L+1, L+2, \dots, N-1$

 for ($i \rightarrow L - R$) {

 Sum += nums[i]

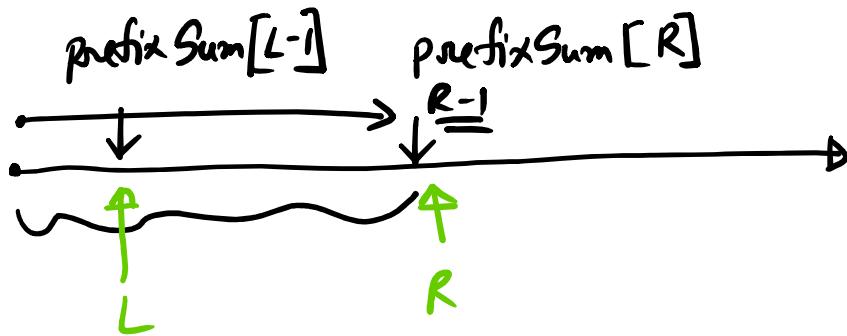
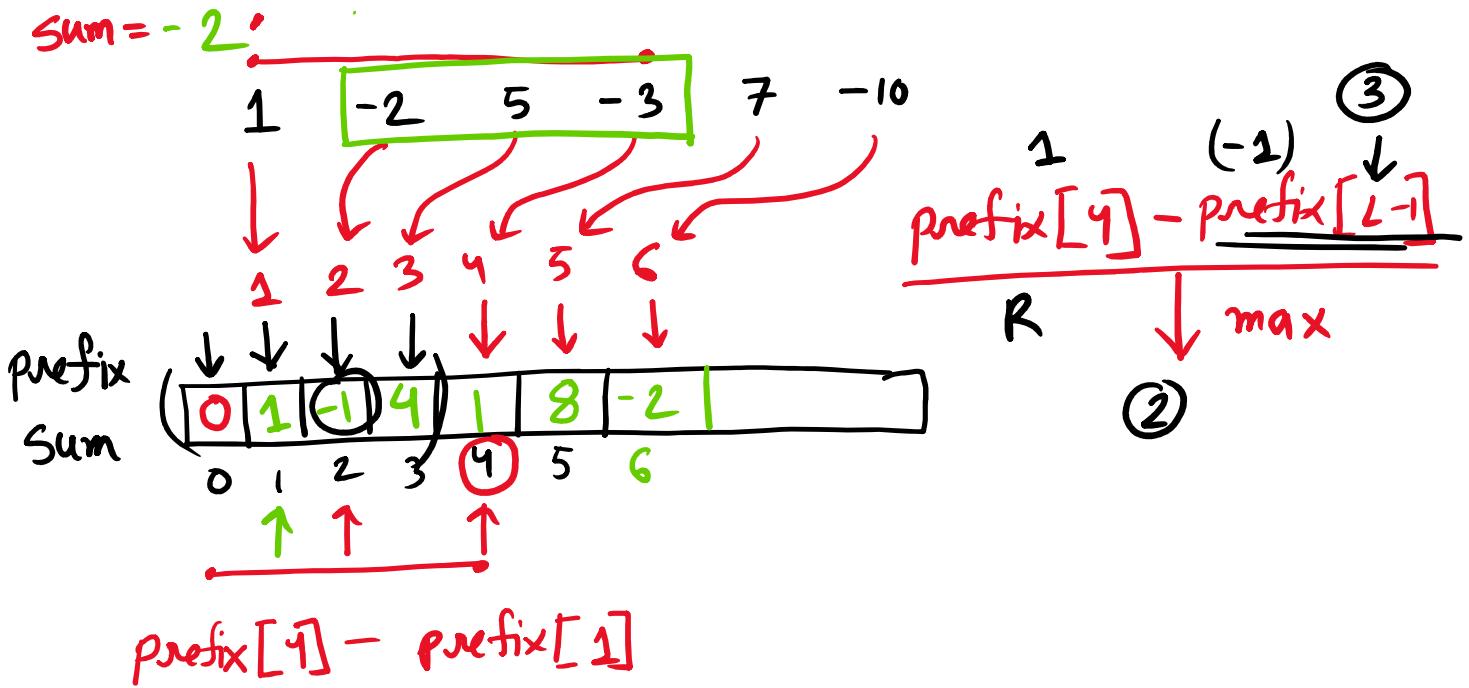
}

 result = max(result, sum)

```

        result = max(result, sum)
    }
    return result
}

```



$$\text{prefix}[R] - \boxed{\text{prefix}[L-1]} = \boxed{\text{MAX}}$$

\uparrow
 $\underline{\text{min}}$