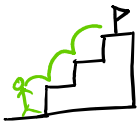
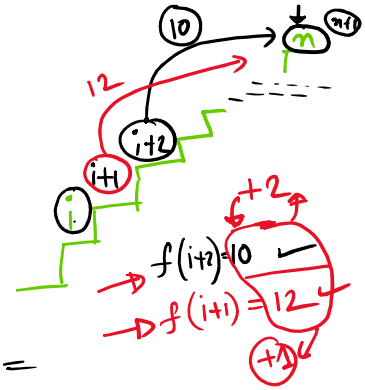


1,2

1+1+1
1+2
2+1
} 3



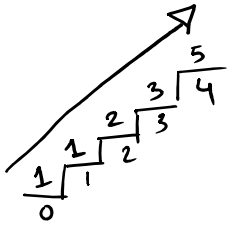
$f(i) =$ $(i \to n)$ how many ways

$f(i) = f(i+1) + f(i+2)$

$f(n) = 1$ $f(n+1) = 0$

$f(i+1) =$

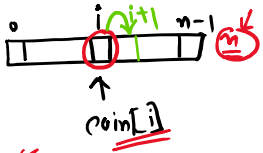
$f(i+2) =$ +1, +2



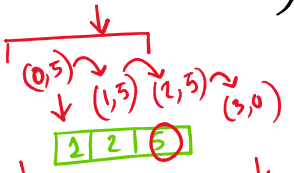
2+1+2
1+2+2
2+2+1
} 3

2 → 2
1 → 1
} 2

$f(\text{index}, \text{remainingAmount}) =$ how many ways



$f(\text{index}, \text{remainingAmount}) = f(\text{index}, \text{remainingAmount} - \text{coin}[i]) + f(\text{index}+1, \text{remainingAmount})$



$i = \text{index}$

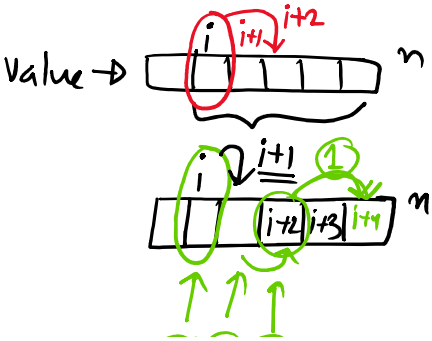
$f(\#, 0) = 1$ $f(N, \#) = 0$

$f(i) =$ maximum amount from i to (n-1)

$f(i) =$ value[i] + $f(i+2)$ } 1

max

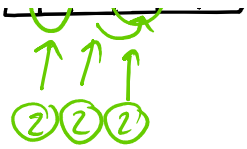
$O(\ldots)$



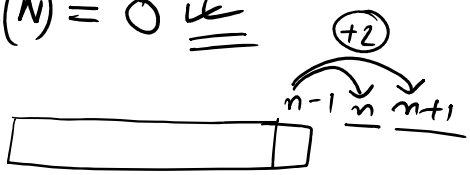
$f(i) =$ value[i] + $f(i+2)$

$f(i+1)$ → (2)

} max



$f(N) = 0$ ←



SWE → Leetcode
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Open Source
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MAANG ←
→ Structured