

$P[A] = [0, 5, 8, 4, 13, 15]$
 $\begin{matrix} 5 & 3 & 1 & 4 & 2 \\ 0 & 1 & 2 & 3 & 4 \end{matrix}$

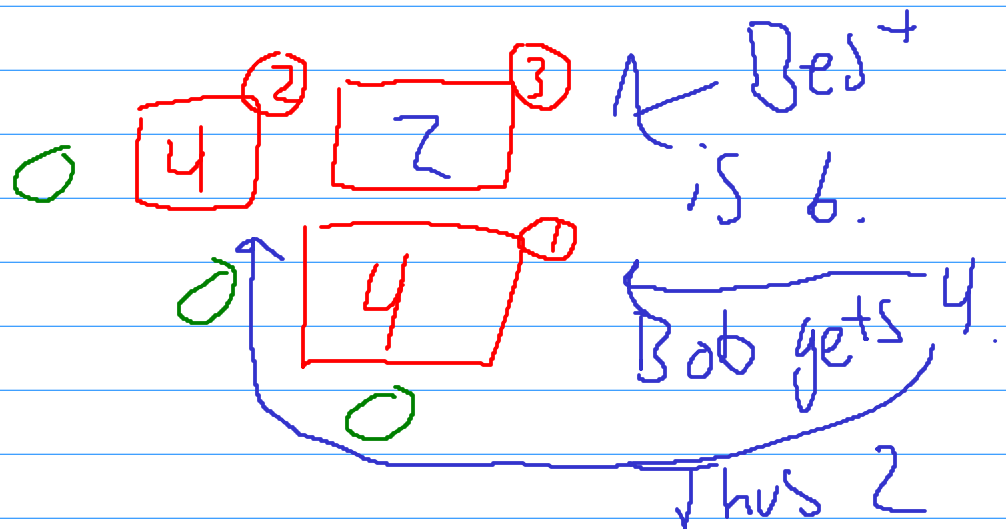
5 0 0

3 1 0

1 2

4 3

2 4



0's on Pivot, cannot have [2]

① [4, 2] if either, they choose

② [1, 4] if either, choose 1

③ [1, 4, 2] Now dp time

$$dp[i][j] = \max \begin{cases} \text{Left: } P[j] - P[i] - dp[i][j-1] \\ \text{Right: } P[j+1] - P[i+1] - dp[i+1][j] \end{cases}$$

We pick from $i+1$ or $j-1$ for right. Because right is [1, 4], it's a no brainer that we select from $i+1$ as that was determined last.