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[Awesome Compony]

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DSA – Dynamic Programming

A person in a suit making a frame with his hands

Description automatically generated

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# [Minimum number to make x and y equal](https://leetcode.com/problems/minimum-number-of-operations-to-make-x-and-y-equal/description/)

## Intuition

Only increment is the problem use 11 – (x % 11) and then use the same to add to cur X so that its divided properly and passed

## Complexity

TC - O(N)

SC – O(N)

## [Solution](https://leetcode.com/problems/minimum-number-of-operations-to-make-x-and-y-equal/solutions/4781944/simple-recursion-on-full-explaination-for-formula-and-why/)

# [Partition array for maximum sum](https://leetcode.com/problems/partition-array-for-maximum-sum)

## Intuition

Divide the array in 2 halves, left side will find the max in array from j = I to j < I + k or arr.Length and right side will find the recursion of recursion(j + 1)

Return sum of l and r

## Complexity

TC - O(N)

SC – O(N)