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#### Problem 1

The idea behind this algorithm is that you use divide and conquer in order to find the max difference of each side of the array and compare that to the total difference of the whole array and see which of the three is the maximum difference

#### Problem 2

The idea behind this algorithm is to run an outer loop through the first array starting and the start element and add the element at the end of the other array. From there you add them up and check to see if the sum is equal to the target value otherwise you divide and conquer each array.

#### Problem 3

The idea behind this algorithm is to use a 2 pointer algorithm to search through each element and sees if each array has the element otherwise it moves the pointers to the next element to compare.