

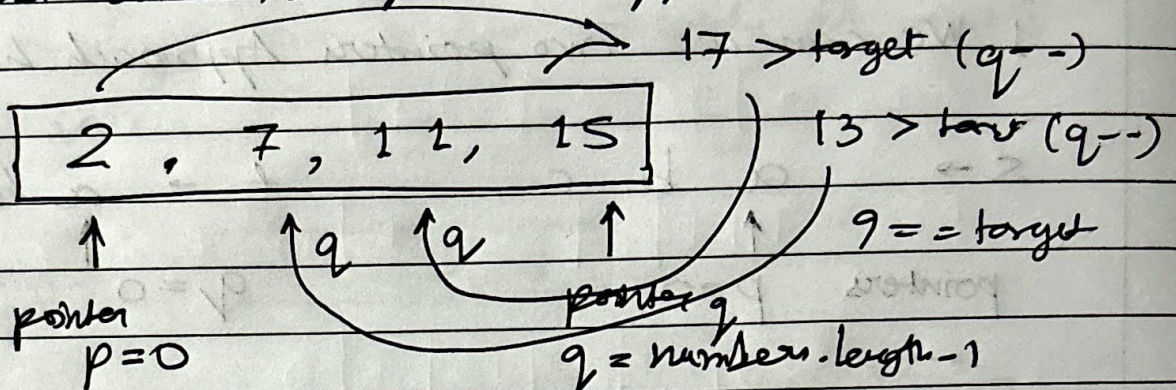
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Two Sum II - Input Array is Sorted

Input \rightarrow numbers = [2, 7, 11, 15]

target = 9

Steps 1) \rightarrow As Array is sorted, we can use this property and use Two pointers Approach



2) If $\text{numbers}[p] + \text{numbers}[q] > \text{target}$
 \rightarrow indicates we need to minimize sum,
 so decrease q

$\hookrightarrow q--;$

3) If $\text{numbers}[p] + \text{numbers}[q] < \text{target}$

\rightarrow indicates we need to increase sum.
 so increase p .

$\hookrightarrow p++$

4) If $\text{numbers}[p] + \text{numbers}[q] == \text{target}$
 return $[p+1, q+1]$