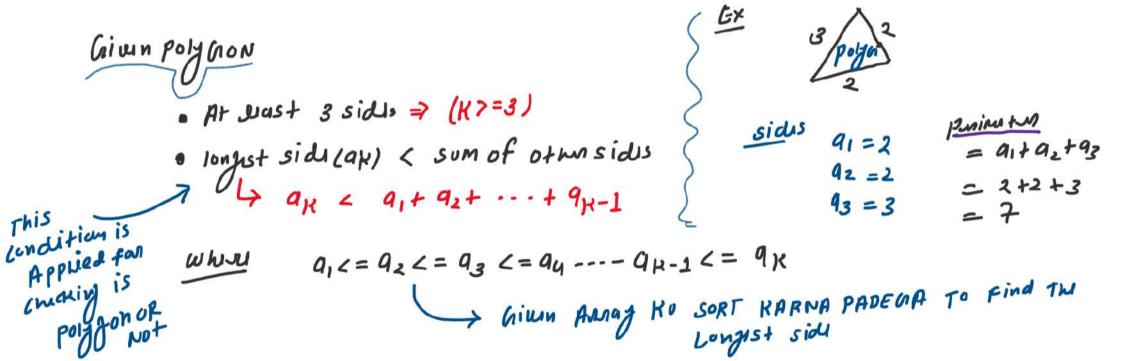
Find Polygon with the Largest Perimeter (LEETCODE-2971)

GitHub: github.com/BCAPATHSHALA

Date: 15-02-2024



Input: nums = [1, 12, 1, 2, 5, 50, 3]Output: 12

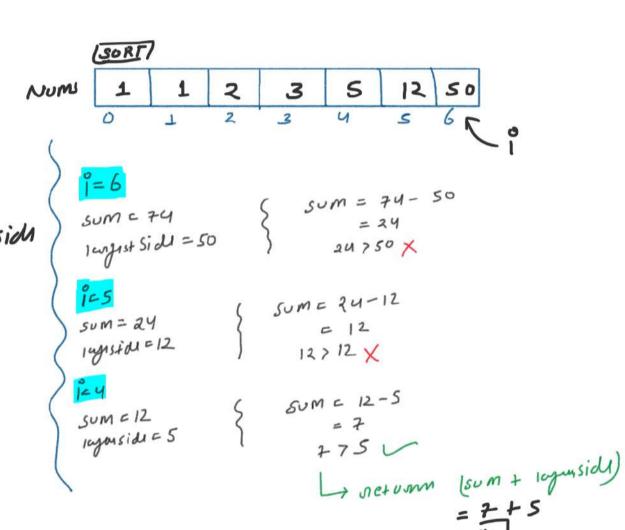
Gxplanation

aı	1	2	<i>4</i> 4	as S		
1						
0	1	2	3	4	5	6

$$a_3 = 2$$
 Sum = 2 = $222x$

$$Q_{5} = 5 \qquad \text{Sum} = 7 \Rightarrow 5 < 7$$
This is poly (

APPROACH BUCKWORD SORTI NUM STEPZ Get sum of All ELIMINTS STEP3 Trauns the array buckwards cneck (sum - Lagus+side) > lugusside This condition is If No svituble perinetum found



```
...
class Solution {
public:
   long long largestPerimeter(vector<int>& nums) {
       sort(nums.begin(),nums.end());
       long long sum = 0;
       for(auto i : nums) {
           sum += i:
       int n = nums.size();
       for(int i = n - 1; i >= 2; i -- ){
           sum -= nums[i];
           if(sum > nums[i]){
               return sum + nums[i];
```

7. C.= 7 O(10 JN) for 100 P

DUMAIL TOG => O(NIGN)

S.C. = O(I)
When N is sungh of input Annay.