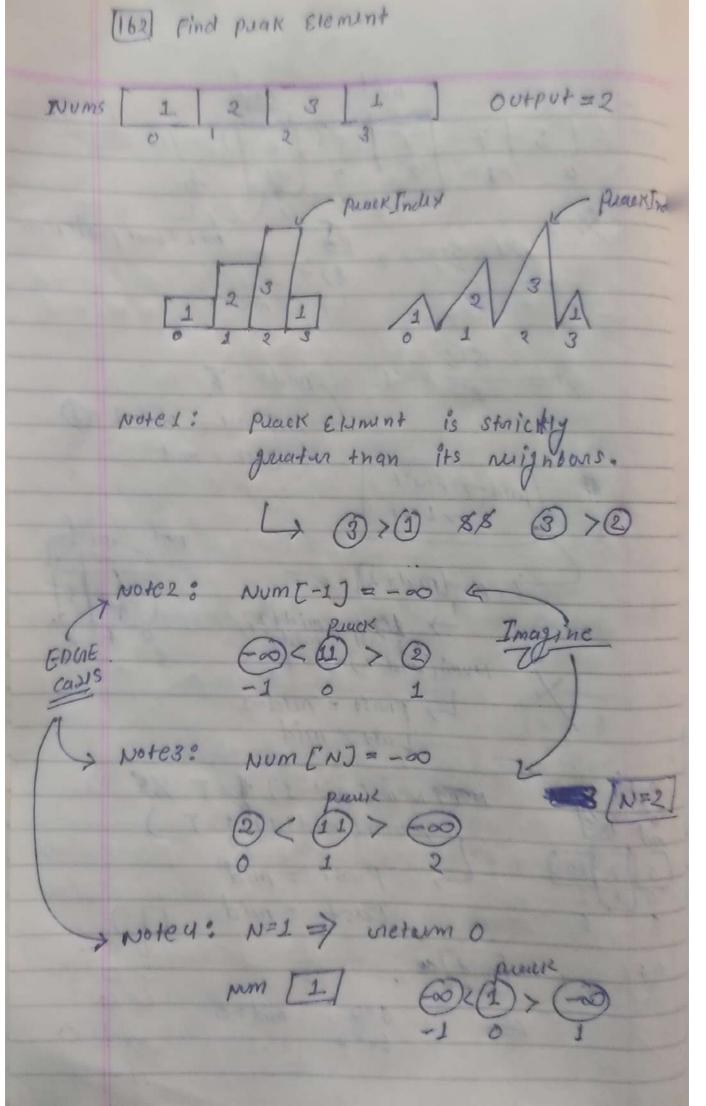
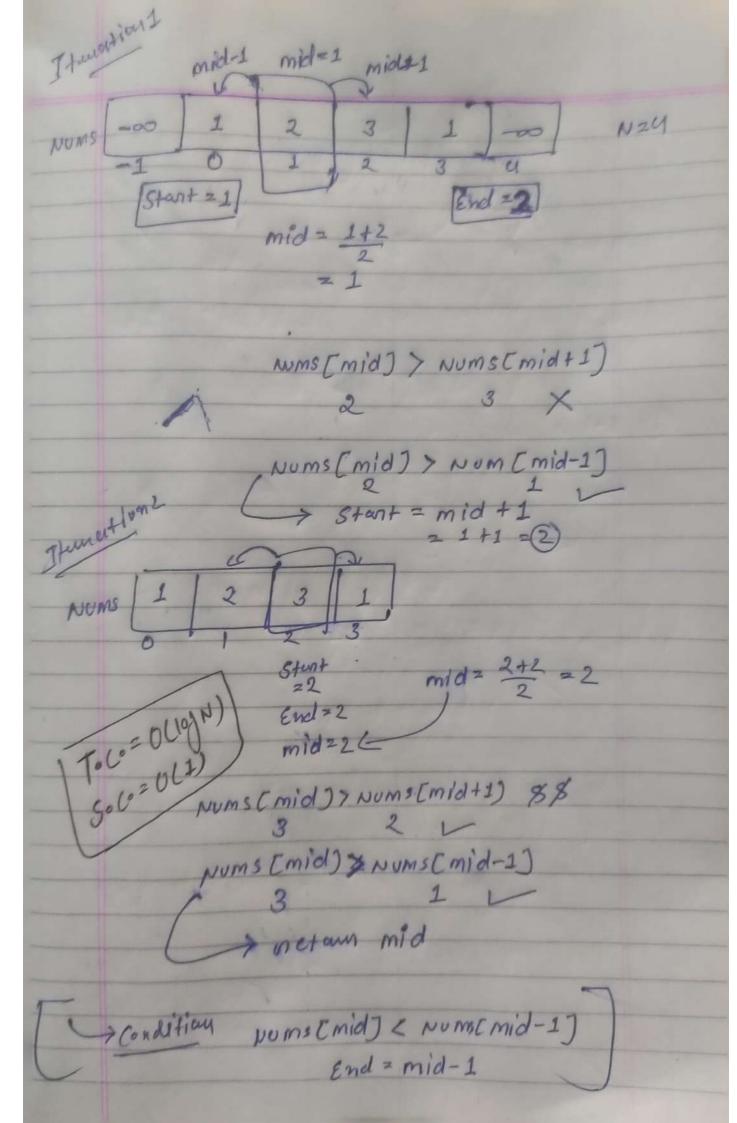
Find Peak Element (Leetcode-162)



Binary SEARCH

Linguain amanojofficial mi





```
class Solution {
public:
    int findPeakElement(vector<int>& nums) {
        int n = nums.size();
        if(n == 1){
            return 0;
        if(nums[0] > nums[1]){
            return 0;
        }
        if(nums[n-1] > nums[n-2]){
            return n-1;
        }
        int start = 1;
        int end = n - 2;
        int mid = start + (end - start) / 2;
        while(start <= end){</pre>
            if(nums[mid] > nums[mid+1] && nums[mid] > nums[mid-1]){
                return mid;
            }
            else if(nums[mid] > nums[mid-1]){
                start = mid + 1;
            }
            else{
                end = mid - 1;
            mid = start + (end - start) / 2;
        return -1;
   }
};
```

. .