

```
i Java · Auto
         public int carFleet(int target, int[] position, int[] speed) {
              float[] moves = new float[position.length];
              for(int i=0; i<position.length;i++){</pre>
                  moves[i] = (((float)target - position[i]) / speed[i] );
              int fleet = 0;
              int maxPosition = -1, maxIndex = -1;
              float maxPositionMoves;
              while(counter < position.length){
Testcase
         Result
Accepted Runtime: 0 ms
  Case 1
              • Case 2
                          . Case 3
Input
  12
  [10,8,0,5,3]
Console v
                                                                                  Run
                                                                                            Submit
```

```
Solutions (4.7K)
                                        Submissions
Description
             Editorial
852. Peak Index in a Mountain Array
Medium ௴ 6K 및 1.8K ☆ ♂
 Companies
An array arr a mountain if the following properties hold:

    arr.length >= 3

• There exists some i with 0 < i < arr.length - 1 such that:
  • arr[0] < arr[1] < ... < arr[i - 1] < arr[i]
  • arr[i] > arr[i + 1] > ... > arr[arr.length - 1]
Given a mountain array arr, return the index i such that arr [0] < arr [1] < ... <
arr[i-1] < arr[i] > arr[i+1] > ... > arr[arr.length - 1].
You must solve it in O(log(arr.length)) time complexity.
Example 1:
  Input: arr = [0,1,0]
  Output: 1
Example 2:
  Input: arr = [0,2,1,0]
  Output: 1
Example 3:
```

```
i Java 😽 🕴 Auto
         public int peakIndexInMountainArray(int[] arr) {
             int i = 0;
             int j = arr.length - 1;
             int n = arr.length;
             while (i <= j) {
                 int mid = (i + j) / 2;
                 if ((mid == 0 || arr[mid - 1] < arr[mid]) && (mid == n - 1 || arr[mid + 1] < arr
     [mid]))
                     return mid;
                 else if (mid > 0 && arr[mid - 1] > arr[mid])
                      j = mid - 1;
                      i = mid + 1;
             return -1;
Testcase
Accepted Runtime: 0 ms
 • Case 1
              Case 2

    Case 3

Input
  [0,1,0]
Output
Console v
                                                                                 Run
                                                                                           Submit
```