# 2058. Find the Minimum and Maximum Number of Nodes Between Critical Points

## SOLUTION IN JAVA

class Solution {

public int[] nodesBetweenCriticalPoints(ListNode head) {

int minDistance = Integer.MAX\_VALUE;

int firstMaIndex = -1;

int prevMaIndex = -1;

int index = 1;

ListNode prev = head; // Point to the index 0.

ListNode curr = head.next; // Point to the index 1.

while (curr.next != null) {

if (curr.val > prev.val && curr.val > curr.next.val ||

curr.val < prev.val && curr.val < curr.next.val) {

if (firstMaIndex == -1) // Only assign once.

firstMaIndex = index;

if (prevMaIndex != -1)

minDistance = Math.min(minDistance, index - prevMaIndex);

prevMaIndex = index;

}

prev = curr;

curr = curr.next;

++index;

}

if (minDistance == Integer.MAX\_VALUE)

return new int[] {-1, -1};

return new int[] {minDistance, prevMaIndex - firstMaIndex};

}

}