

1. Program

Question 1

[Revisit Later](#)

How to Attempt?

Decreasing sequence: Given an integer array, find the number of decreasing sequences in the array and the length of its longest decreasing sequence.

You are expected to complete the logic within the given function, where,

input1 represents the integer array and,

input2 represents the number of elements in the integer array

The function should set the **output1** variable to the number of decreasing sequences in the array, and set the **output2** variable to the length of the longest decreasing sequence in the array.

Example 1:

If **input1**[] = {11,3,1,4,7,8,12,2,3,7}

and **input2** = 10

output1 should be 2

output2 should be 3

Explanation:

In the given array **input1**, the decreasing sequences are "11,3,1" and "12,2", i.e. there are **two** decreasing sequences in the array, and so **output1** is assigned **2**. The first sequence i.e. "11,3,1" is the longer one containing **three** items, when compared to the second sequence "12,2" which contains 2 items. So, the length of the longest decreasing sequence **output2** = **3**.

Example 2:

If **input1**[] = {9}

and **input2** = 1

output1 should be 0

output2 should be 0

Example 3:

If **input1**[] = {12,51,100,212,15,12,7,3,57,300,312,78,19,100,102,101,99,74,0,-5}

and **input2** = 20

output1 should be 3

output2 should be 6

```

41     Attempted: 1/1    max=0;
42     }
43     if(input2==0)
44     {
45         max=0;
46         c2=0;
47     }
48     Result r1=new Result(c2,max);
49     return r1;
50 }
51 }
52 }
```

☐ Use Custom Input



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[Code Execution](#) [Code History](#)

0/6 - Graded Test Cases Failed

 TC 6

 TC 5

 TC 4

 TC 3

 TC 2

 TC 1