Given a positive integer **n** and an **array** of n integers sorted in non-decreasing order, find the **starting index** and **ending index** of a given integer **target**. If the target is not found, **return [-1, -1].**

**Subtask:**

**Subtask 1 (30):**

* 0 ≤ n ≤ 100
* -109 ≤ arr[i] ≤ 109
* -109 ≤ target ≤ 109

**Subtask 2 (70):**

* 0 ≤ n ≤ 105
* -109 ≤ arr[i] ≤ 109
* -109 ≤ target ≤ 109

**Input**

6

5 7 7 8 8 10

8

**Ouput**

3 4

**Input**

6

5 7 7 8 8 10

6

**Output**

-1 -1