## horizontal line

## **Activity Selection Problems**

# **Problem Statements :**

*You are given n activities with their start and finish times. Select the maximum number of activities that can be performed by a single person, assuming that a person can only work on a single activity at a time.*

# **Input Format :**

First line contains integer t which is number of test case.

For each test case, it contains an integers n which the number of activities. Next two lines contains n space separated integers in which 1st line contains the starting time and 2nd line contains the finishing time of the each activities.

**Constraints :**

1<=t<=50

1<=n<=10000

1<=A[i]<=100

**Output Format :**

Print number of those activities.

# **Sample Input :**

1

3

10 12 20

20 25 30

**Sample Output :**

0 2

**Explanation :**

**None**

**Time Limit :**

none