

Check Subset



You are given two sets, A and B .
Your job is to find whether set A is a subset of set B .

If set A is subset of set B , print **True**.
If set A is not a subset of set B , print **False**.

Input Format

The first line will contain the number of test cases, T .
The first line of each test case contains the number of elements in set A .
The second line of each test case contains the space separated elements of set A .
The third line of each test case contains the number of elements in set B .
The fourth line of each test case contains the space separated elements of set B .

Constraints

$0 < T < 21$
 $0 < \text{Number of elements in each set} < 1001$

Output Format

Output **True** or **False** for each test case on separate lines.

Sample Input

```
3
5
1 2 3 5 6
9
9 8 5 6 3 2 1 4 7
1
2
5
3 6 5 4 1
7
1 2 3 5 6 8 9
3
9 8 2
```

Sample Output

```
True
False
False
```

Explanation

Test Case 01 Explanation

Set $A = \{1\ 2\ 3\ 5\ 6\}$
Set $B = \{9\ 8\ 5\ 6\ 3\ 2\ 1\ 4\ 7\}$
All the elements of set A are elements of set B .
Hence, set A is a subset of set B .

Note: More than 4 lines will result in a score of zero. Blank lines won't be counted.