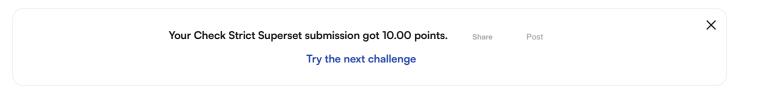
Check Strict Superset *





Problem Submissions Leaderboard Editorial A

You are given a set \boldsymbol{A} and \boldsymbol{n} other sets.

Your job is to find whether set $m{A}$ is a strict superset of each of the $m{N}$ sets.

Print True, if ${m A}$ is a strict superset of each of the ${m N}$ sets. Otherwise, print False.

A strict superset has at least one element that does not exist in its subset.

Example

Set([1,3,4]) is a strict superset of set([1,3]).

Set([1,3,4]) is not a strict superset of set([1,3,4]).

Set([1,3,4]) is not a strict superset of set([1,3,5]).

Input Format

The first line contains the space separated elements of set $m{A}$.

The second line contains integer \boldsymbol{n} , the number of other sets.

The next \boldsymbol{n} lines contains the space separated elements of the other sets.

Constraints

- 0 < len(set(A)) < 501
- 0 < N < 21
- 0 < len(otherSets) < 101

Output Format

Print True if set ${m A}$ is a strict superset of all other ${m N}$ sets. Otherwise, print False.

Sample Input 0

1 2 3 4 5 6 7 8 9 10 11 12 23 45 84 78 2 1 2 3 4 5 10 11 12

Sample Output 0

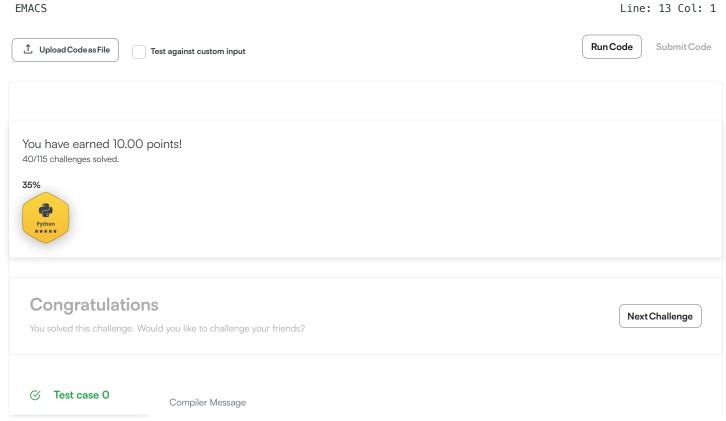
False

Explanation 0

Set A is the strict superset of the set([1,2,3,4,5]) but not of the set([100,11,12]) because 100 is not in set A. Hence, the output is False.

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```
Change Theme Language Python 3
    # Enter your code here. Read input from STDIN. Print output to STDOUT
    A = set(map(int, input().split()))
    n = int(input())
    result = True
    for _ in range(n):
        B = set(map(int, input().split()))
 7
        if B.issubset(A):
            if A.issubset(B):
 8
 9
                result = False
10
        else:
            result = False
11
12
    print(result)
```



⊘ Te	st case 1	8	Su	ccess	
⊘ Te	st case 2	A	Input (stdin)		
			1	1 2 3 4 5 6 7 8 9 10 11 12 23 45 84 78	
⊘ Te	st case 3	\triangle	2	2	
			3	1 2 3 4 5	
⊘ Te	st case 4	A	4	100 11 12	
⊘ Te:	st case 5	<u> </u>	Exped	cted Output False	Download

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