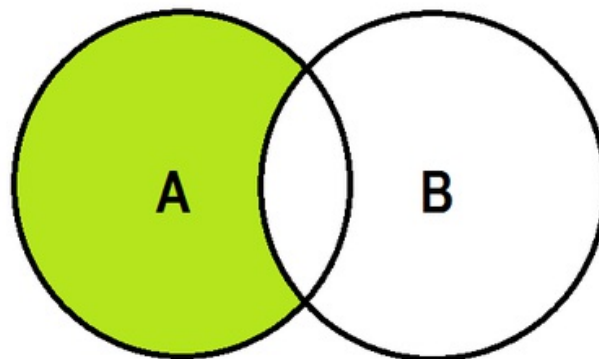


# Set .difference() Operation



**A.difference(B) or A - B**

By DOSHI

## .difference()

The tool `.difference()` returns a set with all the elements from the set that are not in an iterable.

Sometimes the `-` operator is used in place of the `.difference()` tool, but it only operates on the set of elements in `set`.

Set is immutable to the `.difference()` operation (or the `-` operation).

```
>>> s = set("Hacker")
>>> print s.difference("Rank")
set(['c', 'r', 'e', 'H'])

>>> print s.difference(set(['R', 'a', 'n', 'k']))
set(['c', 'r', 'e', 'H'])

>>> print s.difference(['R', 'a', 'n', 'k'])
set(['c', 'r', 'e', 'H'])

>>> print s.difference(enumerate(['R', 'a', 'n', 'k']))
set(['a', 'c', 'r', 'e', 'H', 'k'])

>>> print s.difference({"Rank":1})
set(['a', 'c', 'e', 'H', 'k', 'r'])

>>> s - set("Rank")
set(['H', 'c', 'r', 'e'])
```

## Task

Students of District College have a subscription to *English* and *French* newspapers. Some students have subscribed to only the *English* newspaper, some have subscribed to only the *French* newspaper, and some have subscribed to both newspapers.

You are given two sets of student roll numbers. One set has subscribed to the *English* newspaper, and one set has subscribed to the *French* newspaper. Your task is to find the total number of students who have subscribed to *only English* newspapers.

## Input Format

The first line contains the number of students who have subscribed to the *English* newspaper.

The second line contains the space separated list of student roll numbers who have subscribed to the *English* newspaper.

The third line contains the number of students who have subscribed to the *French* newspaper.

The fourth line contains the space separated list of student roll numbers who have subscribed to the *French* newspaper.

## Constraints

$$0 < \textit{Total number of students in college} < 1000$$

## Output Format

Output the total number of students who are subscribed to the *English* newspaper *only*.

## Sample Input

```
9
1 2 3 4 5 6 7 8 9
9
10 1 2 3 11 21 55 6 8
```

## Sample Output

```
4
```

## Explanation

The roll numbers of students who *only* have *English* newspaper subscriptions are:

**4, 5, 7** and **9**.

Hence, the total is **4** students.