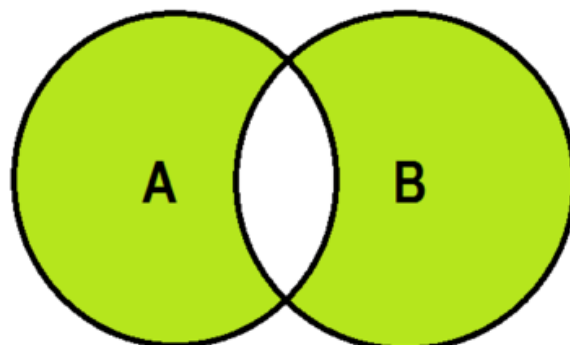


Set .symmetric_difference() Operation

Problem Statement



A.symmetric_difference(B) or $A \Delta B$

by DOSHI

.symmetric_difference()

.symmetric_difference() operator returns a set with all elements that are in set and iterable but not both.

Sometimes '^' operator is used in place of *.symmetric_difference()* operator but it operates only on the set of elements in *set*.

Set is immutable to *.symmetric_difference()* operation (or '^' operation).

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

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

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

>>> print s.symmetric_difference(enumerate(['R', 'a', 'n', 'k']))
set(['a', 'c', 'e', 'H', (0, 'R'), 'r', (2, 'n'), 'k', (1, 'a'), (3, 'k')])

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

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

Task

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

You are given two sets of roll numbers of students, who have subscribed to *English* and *French* newspapers. Your task is to find total number of students who have subscribed to *English or French newspapers but not both*.

Input Format

First line contains, number of students who have subscribed to *English* newspaper.

Second line contains, space separated list of roll numbers of students, who have subscribed to *English* newspaper.

Third line contains, number of students who have subscribed to *French* newspaper.

Fourth line contains, space separated list of roll numbers of students, who have subscribed to *French* newspaper.

Constraints

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

Output Format

Output total number of students who have subscriptions of *English or French newspaper but not both*.

Sample Input

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

Sample Output

```
8
```

Explanation

Roll numbers of students who have subscriptions of *English* or *French* newspaper *but not both*:
4, 5, 7, 9, 10, 11, 21 and 55.

Hence, total is **8** students.