

This operation also removes element ${\boldsymbol x}$ from the set.

If element \boldsymbol{x} does not exist, it $\boldsymbol{\text{does not}}$ raise a KeyError .

The .discard(x) operation returns None.

Example

```
>>> s = set([1, 2, 3, 4, 5, 6, 7, 8, 9])
>>> s.discard(5)
>>> print s
set([1, 2, 3, 4, 6, 7, 8, 9])
>>> print s.discard(4)
None
>>> print s
set([1, 2, 3, 6, 7, 8, 9])
>>> s.discard(0)
>>> print s
set([1, 2, 3, 6, 7, 8, 9])
```

.pop()

This operation removes and return an arbitrary element from the set.

If there are no elements to remove, it raises a KeyError.

Example

```
>>> s = set([1])
>>> print s.pop()
1
>>> print s
set([1])
>>> print s.pop()
KeyError: pop from an empty set
```

Task

You have a non-empty set ${m s}$, and you have to execute ${m N}$ commands given in ${m N}$ lines.

The commands will be pop, remove and discard.

Input Format

The first line contains integer $m{n}$, the number of elements in the set $m{s}$.

The second line contains n space separated elements of set s. All of the elements are non-negative integers, less than or equal to 9.

The third line contains integer ${\it N}$, the number of commands

The next $m{N}$ lines contains either pop, remove and/or discard commands followed by their associated value. Constraints 0 < n < 200 < N < 20**Output Format** Print the sum of the elements of set **s** on a single line. Sample Input 9 1 2 3 4 5 6 7 8 9 10 рор remove 9 discard 9 discard 8 remove 7 pop discard 6 remove 5 pop discard 5 Sample Output Explanation After completing these 10 operations on the set, we get set([4]). Hence, the sum is 4. Note: Convert the elements of set s to integers while you are assigning them. To ensure the proper input of the set, we have added the first two lines of code to the editor. f ⊌ in Submissions: 5486 Max Score: 10 Difficulty: Easy Rate This Challenge: $\triangle \triangle \triangle \triangle \triangle \triangle$ More Current Buffer (saved locally, editable) & 49 Python 2 5.7 Ö 1 n = input() 2 | s = set(map(int, raw_input().split()))
3 3
4 com = input()
5 vfor i in range(0,com):
6 a = raw_input()
7 l = a.split()
8 if l[0] == "pop":
9 s.pop()
10 if l[0] == "remove":
11 s.remove(int(l[1]))
12 if l[0] == "discard":
13 s.discard(int(l[1]))
14 sum=0 10 12 13 sum=0 15 v for i in s: $sum = sum + \{i\}.pop()$ 16 18 print(sum) Line: 18 Col: 11 Test against custom input Run Code Submit Code **1** Upload Code as File Congrats, you solved this challenge!

✓ Test Case #1

✓ Test Case #4

✓ Test Case #0

✓ Test Case #3

✓ Test Case #2

✓ Test Case #5

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