https://www.hackerrank.com/challenges/py-set-discard-remove-pop/problem?isFullScreen=false

```
n = int(input())
s = set(map(int, input().split()))
N=int(input())
for i in range(N):
  cmd=input().split() # "remove 9".split() ==>["remove","9"]
  if cmd[0]=="remove":
     s.remove(int(cmd[1]))
  elif cmd[0]=="discard":
     s.discard(int(cmd[1]))
  elif cmd[0]=="pop":
     s.pop()
print(sum(s))
Example:
list1=[10,20,10,30,10,20,40,50,50,40,20,60]
set1=set(list1)
list2=list(set1)
list2.sort()
for value in list2:
  c=list1.count(value)
  print(c,value)
# output
#310
#320
#130
#240
# 2 50
# 1 60
Example:
# str1="abcababdc"
```

```
# output: 3a3b2c1d

str1="abcababdc"
set1=set(str1) # {"a","b","c","d"}
list1=list(set1)
list1.sort()
str2=""
for ch in list1:
    c=str1.count(ch)
    str2=str2+str(c)+ch

Print(str2)

Output:
3a3b2c1d
```

Set Operations