Problem N. Python Program

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

You need to calculate the output of a Python program.

To simplify the problem, the code satisfies the following constraints.

The program has exactly 5 lines. The first line of the code is

```
ans=0
```

The second and the third lines are of the form

```
for i in range(a,b,c):
    for j in range(d,e,f):
```

Here, i and j are loop variables. i and j can be any two different lowercase English letters. a, b, c, d, e, f can be integers without leading zeroes or loop variables that have been introduced before. That is, d, e and f may be i. The tokens c or f (or both) can be omitted. When omitted, they equal 1.

The fourth line of the code is of the form:

```
ans+=j
```

Here, j is the loop variable of the inner loop (note that it can be some letter other than `j`).

The fifth line of the code is

```
print(ans)
```

For any $c \neq 0$, the statement

```
for i in range(a,b,c):
```

in the Python language is interpreted as follows.

- If $c > 0$, i will take the values of $a, a + c, a + 2c, \cdots$ until $a + kc$, where k is the maximum integer such that $a + kc < b$. If $a \geq b$, i won't take any value.
- If $c < 0$, i will take the values of $a, a + c, a + 2c, \cdots$ until $a + kc$, where k is the maximum integer such that $a + kc > b$. If $a \leq b$, i won't take any value.

Input

5 lines, representing the code.

It is guaranteed that there are no extra spaces at the end of each line. However, there may be extra line feeds at the end of the input file. Please note that each tab is represented by 4 spaces in the input file.

It is guaranteed that $1 \leq a, b, |c|, d, e, |f| \leq 10^6$.

Output

One integer representing the output of the program.

Examples

standard input	standard output

ans=0
for a in range(1,3):
    for b in range(5,1,-2):
        ans+=b
print(ans)
	16

ans=0
for q in range(100,50,-1):
    for i in range(q,77,20):
        ans+=i
print(ans)
	2092

Note

For the first example, a will take the values of $1, 2$ in order, and for each value that a takes, b will take the values of $5, 3$, so the answer is $2 \times (5 + 3) = 16$.

You can test the programs with a Python interpreter.