

1483 - Geometrical Task I

Description

Do you like geometrical task? Well, today we will work with the calculation of areas. Then, given the shape, you must find the area (integer value).

Input specification

The only line of the input contain a word S, the shape for the task. If the shape is "square" you must read also a integer A, the side of the square. If it's "rectangle" you must read also two integers A and B, the sides of the rectangle. For this task you can assume that $1 \leq A, B \leq 1000$.

Output specification

Print a single line with the number R, representing the calculated area for the shape.

Sample input

```
rectangle 5 6
```

Sample output

```
30
```

Hint(s)

| | |
|------------------------|-------------------------------|
| Source | Yonny Mondelo Hernández (UCI) |
| Added by | ejaltuna |
| Addition date | 2011-10-13 07:20:40.0 |
| Time limit (ms) | 5000 |
| Test limit (ms) | 1000 |
| Memory limit (kb) | 130000 |
| Output limit (mb) | 64 |