# Square the Circle

Input file: standard input
Output file: standard output

Time limit: 3 seconds

Memory limit: 1024 megabytes

Please refer to the statements in the attachment files

#### Input

Please refer to the statements in the attachment files

### Output

Please refer to the statements in the attachment files

#### Interaction Protocol

Please refer to the statements in the attachment files

## Example

standard input	standard output
1	? 1 0
IN	? 0 1
IN	? 100 100
OUT	? 0 2
IN	! Bumper
Correct!	

#### Note

Please refer to the statements in the attachment files