Problem A. Circle

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

Given is an integer r.

How many times is the area of a circle of radius r larger than the area of a circle of radius 1?

It can be proved that the answer is always an integer under the constraints given.

Constraints

- $1 \leq r \leq 100$
- All values in input are integers.

Input

Input is given from Standard Input in the following format:

```
r
```

Output

Print the area of a circle of radius r, divided by the area of a circle of radius 1, as an integer.

Sample 1

Input	Output
2	4

The area of a circle of radius 2 is 4 times larger than the area of a circle of radius 1.

Note that output must be an integer - for example, `4.0` will not be accepted.

Sample 2

Input	Output
100	10000