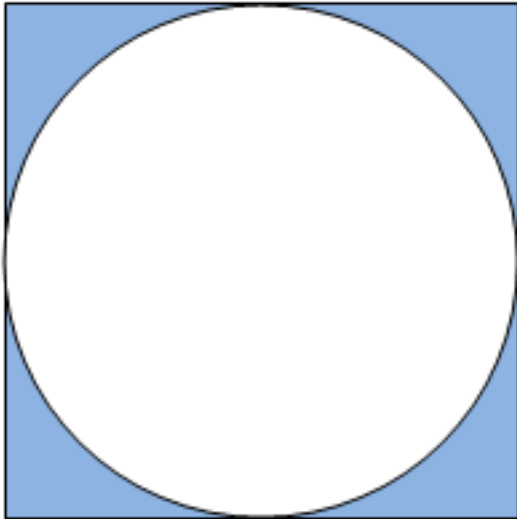## 2731 - Coco-Bits and the Well

Description

The Coco-Bits are building a circular shaped pit, to do so, they take a square and they draw an inscribed circle in it.

They want to determine the surface enclosed between the circle and the square. Can you help them?

Input specification

A line containing the number of cases T (1 <= T <= 100).
Each of the following T lines will contain the size of the side (1 <= L <= 100) of the square.

Output specification

Each of the T lines will contain the area requested for each case, rounded up to two decimals places.

Sample input

```
3
20
30.091
```

```
87.0921
```

Sample output

```
85.84
194.32
1627.76
```

Hint(s)

Source	Jorge Bárbaro Piñeiro Cruz
Added by	**jbpineiro**
Addition date	2014-03-04
Time limit (ms)	2000
Test limit (ms)	2000
Memory limit (kb)	65536000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ C++11 Java JavaScript-NodeJS Pascal Perl PHP Prolog Python Ruby Text