

Cubic Volume

Filename: cube

Your younger brother is just learning the formula for a cube, but is having some trouble with his homework. Help him!

The Problem

Given the length of a side of a cube in centimeters, give its volume in cm^3 .

The Input

The first line of the input file will contain a number n ($1 \leq n \leq 100$) indicating the number cases to process. The following n lines contain one positive integer, s ($s \leq 10000$), indicating the length of the side of the input cube in centimeters.

The Output

For each cube, on a line by itself, output its volume in cm^3 .

Sample Input

```
3
2
10
12
```

Sample Output

```
8
1000
1728
```