

## Biggest volume

We have  $N$  cubes in a building game.

Write a program that gives the volume of the biggest object that can be built from the cubes.

### Input

The first line of the *standard input* contains the count of cubes ( $1 \leq N \leq 100$ ). The next  $N$  lines contain each the length of the side of a cube ( $1 \leq L \leq 100$ ).

### Output

The first line of the *standard output* should contain the biggest possible volume.

### Example

<i>Input</i>	<i>Output</i>
3	99
2	
3	
4	

### Limits

Time limit: 0.1 second

Memory limit: 32 MB