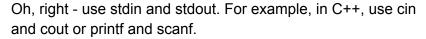Answer

Description

Write a program that takes in some lines of input, and outputs the answer to life, the universe, and everything. It doesn't matter what the input it, just output… 42.

If you don't get the reference, you really don't need to watch the movie or read the book. You'd be better off doing either of those things, but it's like all geek culture references - just knowing *about* them is fine, you don't need to go watch the crappy movie or read the long, obscure book to appreciate the funny of it.

Oh, right - use stdin and stdout. For example, in C++, use cin and cout or printf and scanf.

Input

The first line will contain a single integer **N** (1 < **N** < 101), which will be the number of lines in the input file. The next **N** lines will contain a number **T** (42 < T < 420), which is completely irrelevant.

Output

For each number **T**, output the number 42 to the console. In other words, print out **N** lines, each containing the number 42 only.

Examples

Input
4
88
59
45
42

Output
42
42
42
42