Problem 1 – Dragon Sharp

Now that you are an experienced programmer, you decide to create your own programming language. Since you are a nerd and really love dragons and C#, you name your language Dragon Sharp, or **D#.** Funny thing about the language is that the compiler is written in Java, since Java is such fun. You need to polish it a bit, though. It does not process condition statements correctly.

Let's take a look at the statement **if (5==5) loop 3 out "gosho";**

The condition is true so you print gosho three times on a new line. There can be an "else" statement such as **else out "pesho";** In that case, you print pesho only if the **if** statement on the previous line was false. There won't be an else statement following another else statement in the input.

There will always be a single space separating other elements. There are only **four** types of valid statement:

if (5==5) loop 3 out "gosho";   else out "pesho";   if (5==5) out "gosho";   else loop 3 out "pesho";

Invalid: if the statement is not terminated with a semicolon ";" or the string in not enclosed with quotes "".

If you encounter invalid input you should print **Compile time error @ line {line number}** and nothing else

Lines are numbered starting from 1.

Input

- On the first line you receive the integer N -> the number of lines that will follow
- On each of the next N lines you will receive a statement in one of the above described formats

Output

- Each of the statement outputs is on a separate line.
- If an error is encountered, only the error message is printed. All other output is discarded.

Constraints

- The number N is an integer between 1 and 50.
- The number of loop repetitions is an integer is between 0 and 10.
- There can only be integers and **>, <** or **==** in the condition brackets.
- There can be **ANY** character between the string quotes ("").
- Allowed working time for your program: 0.25s
- Allowed memory: 16 MB

Examples

Input	Output

3
if (5==5) loop 2 out "zdr ko staa";
if (11<8) out "nishto super e";
else loop 3 out "abe mani";
	zdr ko staa
	zdr ko staa
	abe mani
	abe mani
	abe mani

Input	Output

Follow us:

3
if (5==5) loop 2 out "zdr ko staa";
if (11>8) out "nishto super e";
else loop 3 out "abe mani";
	zdr ko staa
	zdr ko staa
	nishto super e

Input	Output
2 if (8==8) loop 2 out "lolol"; else out mega greshka;	Compile time error @ line 2