5. 11172 - Relational Operator
Time limit: 3.000 seconds

Some operators checks about the relationship between two values and these operators are called relational operators. Given two numerical values your job is just to find out the relationship between them that is (i) First one is greater than the second (ii) First one is less than the second or (iii) First and second one is equal.

Input
First line of the input file is an integer t (t<15) which denotes how many sets of inputs are there. Each of the next t lines contain two integers a and b (|a|,|b|<1000000001).

Output
For each line of input produce one line of output. This line contains any one of the relational operators ">", "<" or "=", which indicates the relation that is appropriate for the given two numbers.

Sample Input	Output for Sample Input
3 10 20 20 10 10 10	< > =

6. 11185 - Ternary
Time limit: 3.000 seconds

You will be given a decimal number. You will have to convert it to its ternary (Base 3) equivalent.

Input
The input file contains at most 100 lines of inputs. Each line contains a non-negative decimal integer N(N<1000000001). Input is terminated by a line containing a negative value. This line should not be processed.

Output

For each line of input produce one line of output. This line contains the ternary equivalent of decimal value N.

Sample Input	Output for Sample Input
10 100 1000 −1	101 10201 1101001