

1176 - Ternary

Description

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

Input specification

The input file contains at most 100 lines of inputs. Each line contains a non-negative decimal integer **N** ($N \leq 10^9$). Input is terminated by a line containing a negative value. This line should not be processed.

Output specification

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

Sample input

```
10
100
1000
-1
```

Sample output

```
101
10201
1101001
```

Hint(s)

Source	Universidad de Valladolid Online Judge
Added by	ejaltuna
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Time limit (ms)	1000
Test limit (ms)	1000