



MentorPick

SCORE: 25



Finding Cuberoot

MEDIUM

FUNCTION-ONLY

Description

Find the cube root of the given number. Assume that all the input test cases will be a perfect cube.

Note: Do not use any inbuilt functions/libraries for your main logic.

Note: You only need to complete the function given in the editor, don't write the full code from scratch

Prohibited Keywords

CPP : cbrt,pow JAVA : cbrt,pow PYTHON : cbrt,pow

monokai

Input Format

This is function only problem, you are not required to read any input or print any output. Just complete the given function by using input parameters.

First line of input contains ${\bf T}$ - number of test cases.

Its followed by T lines, each containing a single integer.

Output Format

This is function only problem, you are not required to read any input or print any output. Just complete the given function by using input parameters.

For each test case, print the cube root of the number, separated by newline.

Constraints

```
1 <= T <= 10^4
-10<sup>18</sup> <= N <= 10^{18}
```

Example

Input 1	Output 1	Explanation 1
_	_	Self Explanatory
5	-3	
-27	-5	
-125	10	
1000	19	
6859	-27	
-19683		

```
public long
 5
             long ans
              long s=0
              long e=1
             while(s<
 8
9 ,
10
11
12
13.
16
17
18
19
20
21
22 <sub>v</sub>
23
24
25
26
              return a
27
```

SampleInput-1