**11. Natural Logs**

# Program Name: Logs.java Input File: logs.dat

A natural log represented by ln(x)=y is equivalent to e^y=x. The natural log of e^n is n. Given a number, calculate its natural log.

**Input**

An unknown number of lines each containing either a single number, or e^n.

**Output**

Output ln(x) for each number x rounded to two decimal places.

**Example Input File**

15.0

4.73

101

e^6.02

46.7

3.00

253

152

**Example Output to Screen**

2.71

1.55

4.62

6.02

3.84

1.10

5.53

5.02