

# DOMjudge sample problem

## fltcmp – ‘Floating point compare text’



### Problem description

This program tests the special floating point compare script accompanying DOMjudge. The problem input consists of first a line with a single integer, then that many lines, with on each line a floating point number (possibly also  $\pm \text{inf}$  or  $\text{nan}$ ). For each floating point number, a line should be written containing the reciprocal of the number, within  $10^{-6}$  precision.

### Sample input/output

Sample input and output for this problem:

Input	Output
8	inf
+0	1.0
1.0	0.500000000001
2E0	3.333333333E-1
3	0.25
4.000000000000000	2E-1
5.000000000000001	0
Inf	NaN
nan	