

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 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 | |