TP\_CSF\_Decisions\_NestedIf

Reads two ints and checks if they are positive, zero or negative.

Input

There is a single int *n* on the first line.

There is a single int *m* on the second line.

Output

The first line contains “positive” if *n > 0*, “negative” if *n < 0* and “zero” otherwise.

The second line contains “positive” if *m > 0*, “negative” if *m < 0* and “zero” otherwise.

Examples

|  |  |
| --- | --- |
| Input | Output |
| 2  0 | positive  zero |
| -5  16 | negative  positive |
| 0  -99 | zero  negative |