
72776. Which one

Input file: `standard input`
Output file: `standard output`
Time limit: 1 second
Memory limit: 256 megabytes

Input

Two integers are given.

Output

The program should output the number 1 if the first number is greater than the second, the number 2 if the second is greater than the first, or the number is 0 if they are equal.

Examples

standard input	standard output
2 7	2
4 3	1
9 5	1
100 1	1
1 1	0