

∞ FIRSTDEC ∞

Find the first integer within the input file that is smaller than the previous number.

Input

There is one integer per line. Each integer is between 1 and 1 000 000, inclusive. The input file contains at most 5 000 integers.

Output

Output the first integer within the input file that is smaller than the previous number.

Example

Input	Output
27 38 51 59 70 61 85 25 33	61