

Simple Description

Problem:

To save you from reading stories, the *description* of this problem is simple. Given a long~~~~ list of positive integers, your program should output the minimum value of the latest 10000 inputs. i.e. When the 10001th input comes, the 1st input is discarded and will not be considered in finding the minimum value.

Your program should process until the end of input.

Input:

```
1
2
3
4
5
6
7
8
9
10
```

Output:

```
1
1
1
1
1
1
1
1
1
1
1
```

Hints:

1. According on the experience of problem-setter, over 90% of problems with simple description are not that simple to solve.
2. To save you from wasting time, using STL data structures to solve this problem directly will probably lead to time limit exceeded (TLE). As a matter of fact, the author of this problem does not quite like using STL data structures to solve problems.
3. Some says that creativity is either finding a innovative way to use old things, or merging old things in an innovative way. Good Luck.