



## Problem: P1

### Description

A Database D stores elements which are positive integers. Perform a sequence of operations over D including:

- PUSH e: add the element e to D (e is a positive integer)
- POP: remove the element having smallest value out of D and return this element

### Input

- Each line contain the information about one operation (the format is described above)

The input is terminated by a line containing the character #

### Output

- Write the result of the POP operation on separate lines

### Example

#### Input

```
PUSH 10
PUSH 4
PUSH 1
PUSH 8
PUSH 7
POP
PUSH 2
PUSH 9
POP
POP
POP
#
```

#### Output

```
1
2
4
7
```

### Source code

C++ 17

```
1 //C++
2 #include <bits/stdc++.h>
3
4 int main()
5 {
6
7 }
```

SUBMIT CODE

Or

C++ 17

Select file

SUBMIT

Refresh

### Bài nộp

Tìm kiếm



ID	Bài tập	Trạng thái
<a href="#">98253f</a>	SIM_PRIORITY_QUEUE	Accept
<a href="#">57ea84</a>	SIM_PRIORITY_QUEUE	Partial

5 hàng



1-2 của 2

