

Min Stack (/explore/challenge/card/30-day-leetcoding-challenge/529/week-2/3292/)

Submission Detail

18 / 18 test cases passed.

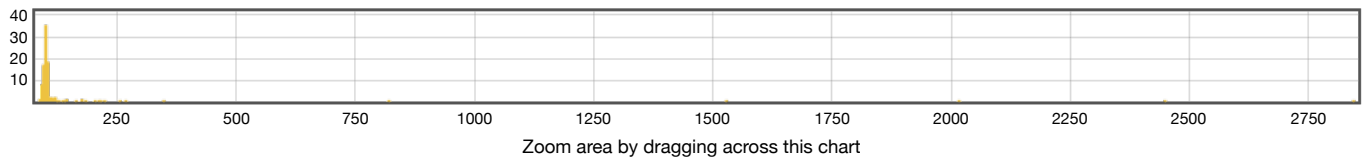
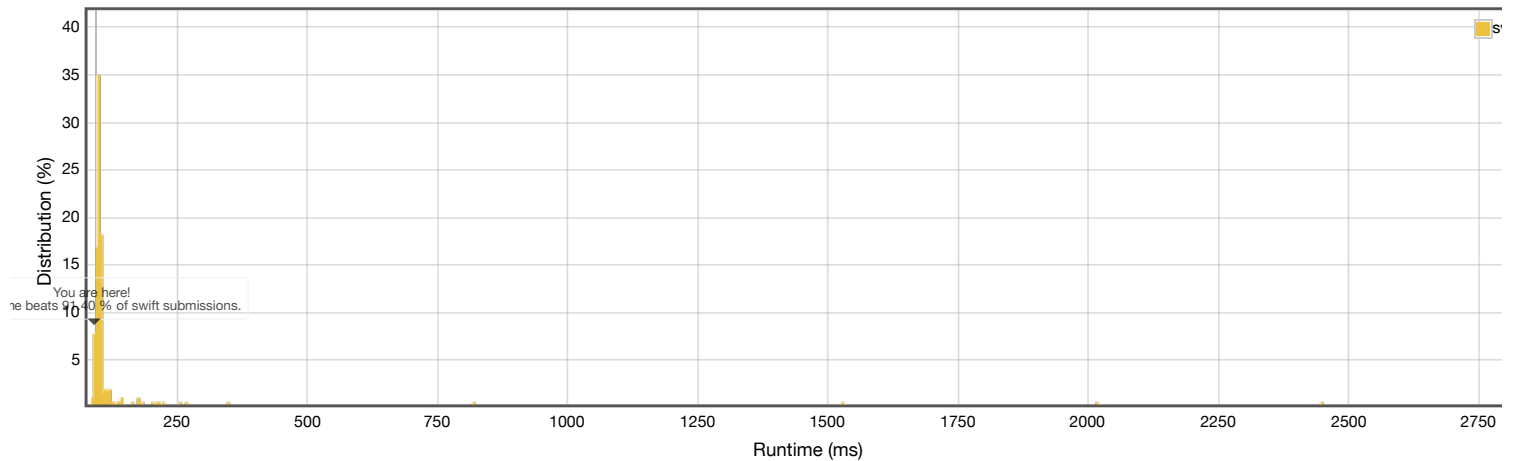
Runtime: 96 ms

Memory Usage: 22.1 MB

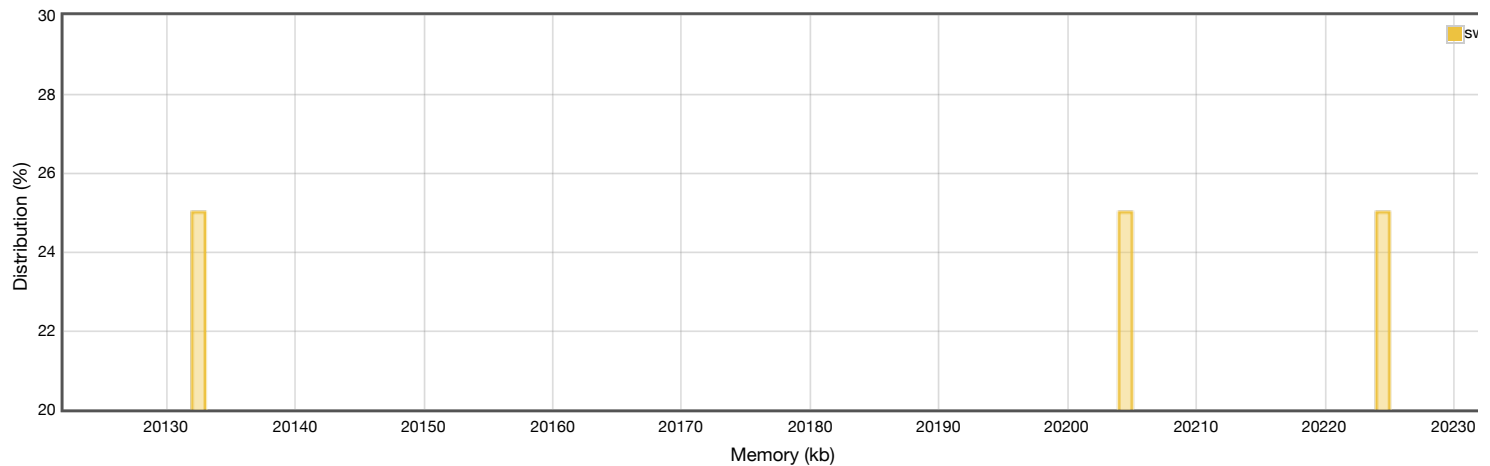
Status: **Accepted**

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Min Stack**

6

Submitted Code: 0 minutes ago

Language: swift

[Edit Co](#)

```
1
2 class MinStack {
3     var arr: [Int] = []
4     var min: Int? = nil
5
6     /** initialize your data structure here. */
7     init() {}
8
9     // Time: O(1)
10    func push(_ x: Int) {
11        arr.append(x)
12        if min != nil {
13            if x < min! { min = x }
14        } else {
15            min = x
16        }
17    }
18
19    // Time: O(n)
20    func pop() {
21        let val = arr.popLast()
22        if let val = val {
23            if val == min {
24                // update min
25                min = arr.min()
26            }
27        }
28    }
29
30    // Time: O(1)
31    func top() -> Int {
32        assert(arr.count > 0)
33        return arr.last!
34    }
35
36    // Time: O(1)
37    func getMin() -> Int {
38        assert(min != nil)
39        return min!
40    }
41 }
```

[Back to problem \(/explore/challenge/card/30-day-leetcoding-challenge/529/week-2/3292/\)](/explore/challenge/card/30-day-leetcoding-challenge/529/week-2/3292/)