Roman to Integer (/problems/roman-to-integer/)

Submission Detail

3999 / 3999 test cases passed.
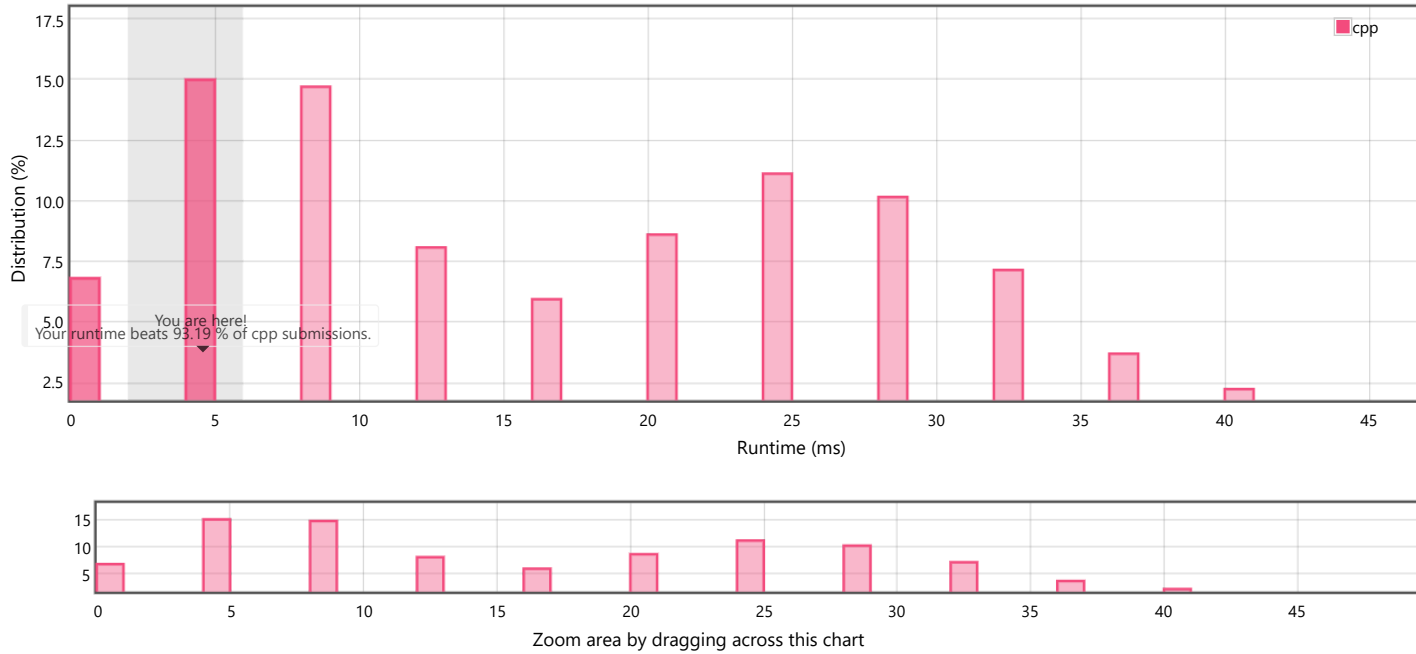
Runtime: **4 ms**
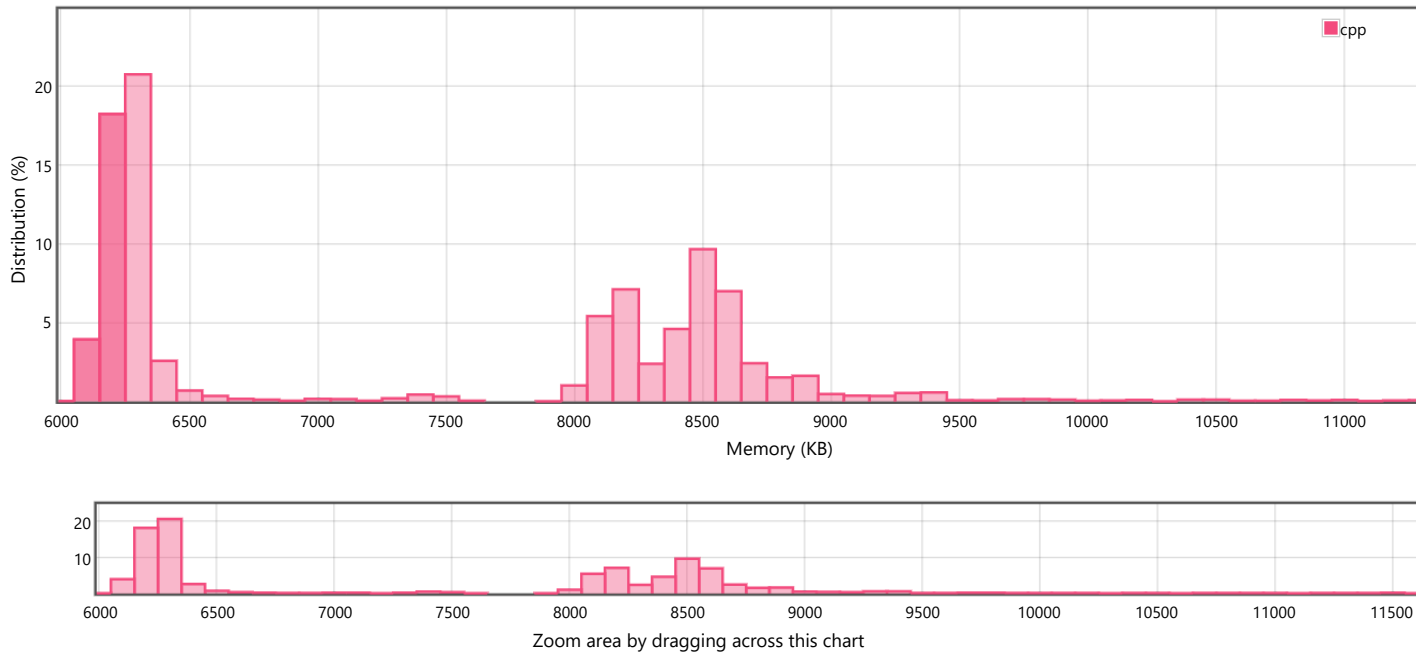Memory Usage: **5.8 MB**

Status: **Accepted**

Submitted: **0 minutes ago**

Accepted Solutions Runtime Distribution

You are here!
Your runtime beats 93.19 % of cpp submissions.

Zoom area by dragging across this chart

Accepted Solutions Memory Distribution

Zoom area by dragging across this chart

Invite friends to challenge **Roman to Integer**

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Submitted Code: 0 minutes ago

Language: cpp

Edit Code

```
1  class Solution {
2  public:
```

```
3      int romanToInt(string s) {
4          int sum = 0;
5          for(int i = 0; i < s.length(); i++){
6              if(s[i] == 'I'){
7                  sum += 1;
8              }
9              else if(s[i] == 'V'){
10                 sum += 5;
11             }
12             else if(s[i] == 'X'){
13                 sum += 10;
14             }
15             else if(s[i] == 'L'){
16                 sum += 50;
17             }
18             else if(s[i] == 'C'){
19                 sum += 100;
20             }
21             else if(s[i] == 'D'){
22                 sum += 500;
23             }
24             else{
25                 sum += 1000;
26             }
27             if(i!=0 && (s[i] == 'V' || s[i] == 'X') && s[i-1] == 'I'){
28                 sum -=2;
29             }
30             if(i!=0 && (s[i] == 'L' || s[i] == 'C') && s[i-1] == 'X'){
31                 sum -=20;
32             }
33             if(i!=0 && (s[i] == 'D' || s[i] == 'M') && s[i-1] == 'C'){
34                 sum -=200;
35             }
36         }
37         return sum;
38     }
39 };
```

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