Number of Enclaves (/problems/number-of-enclaves/)

Submission Detail

57 / 57 test cases passed.

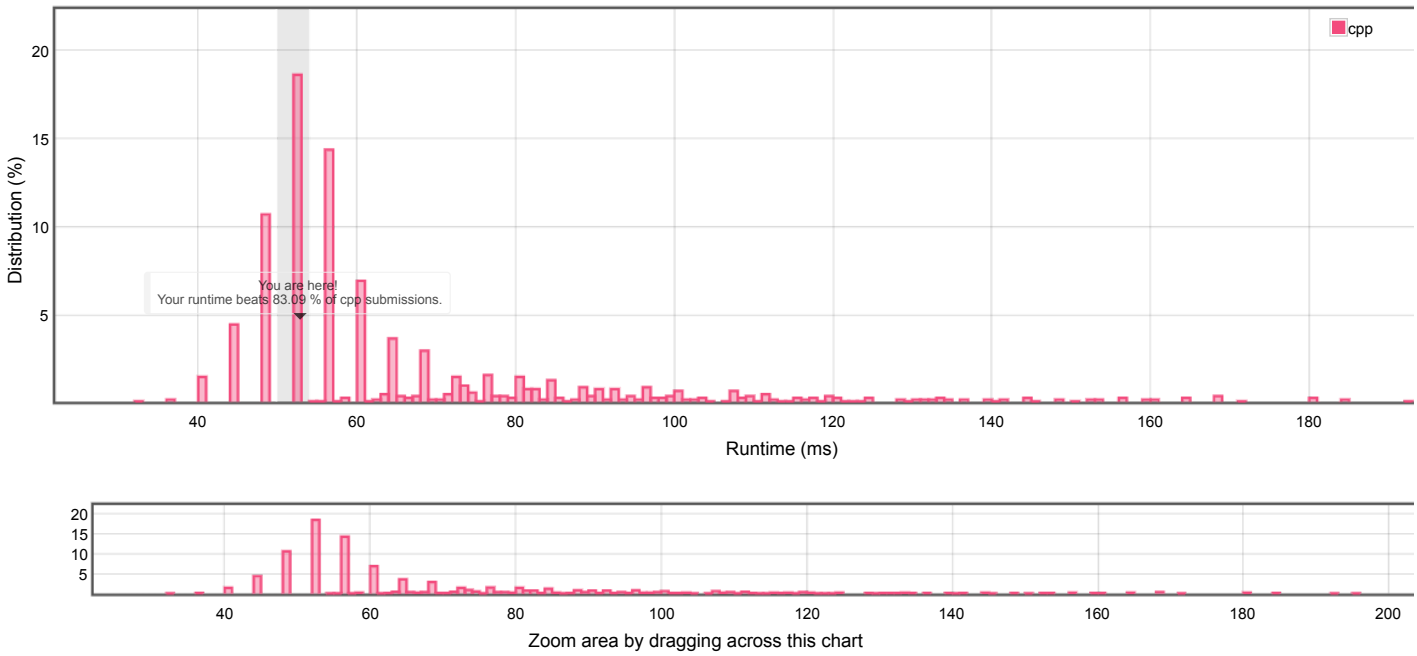
Status: Accepted

Runtime: **52 ms**

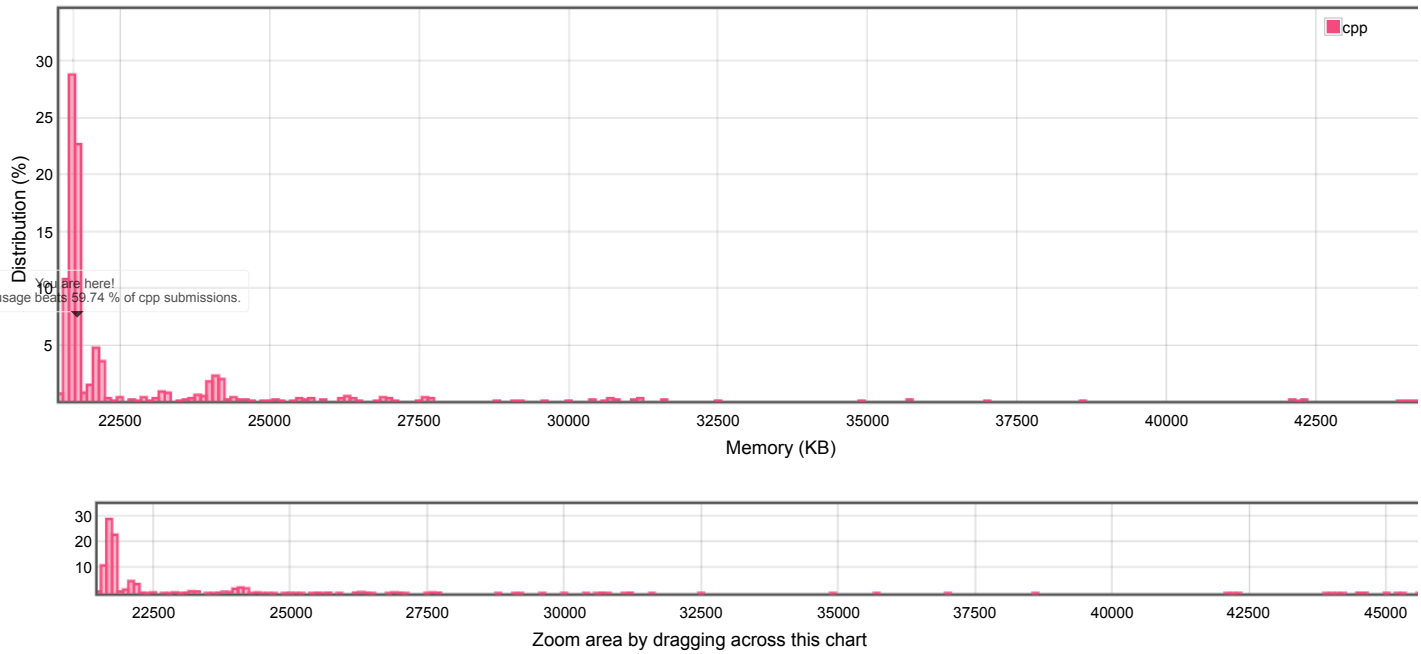
Memory Usage: **21.7 MB**

Submitted: **6 minutes ago**

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Number of Enclaves**

Submitted Code: 6 minutes ago

Language: cpp

Edit Code

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

```
 3
 4      std::pair<int, int> direcciones[4] = {{0,1},{0,-1},{1,0},{-1,0}};
 5
 6      bool isValid(int x, int y, int row, int col){
 7        if(x>=0 && x<row && y>=0 && y<col)
 8          return true;
 9        return false;
10      }
11
12      void DFS(int x, int y, int row, int col, std::vector<std::vector<int>>& A){
13        A[x][y] = 0;
14        for(int i=0;i<4;i++)
15        {
16          int newx = x + direcciones[i].first;
17          int newy = y + direcciones[i].second;
18          if(isValid(newx, newy, row, col) && A[newx][newy]==1)
19            DFS(newx, newy, row, col, A);
20        }
21      }
22
23      int numEnclaves(std::vector<std::vector<int>>& A) {
24        int row = A.size();
25        int col = A[0].size();
26        for(int i=0;i<col;i++)
27        {
28          if(A[0][i] == 1)
29            DFS(0, i, row, col, A);
30            if(A[row-1][i] == 1)
31              DFS(row-1, i, row, col, A);
32        }
33
34        for(int i=0;i<row;i++){
35          if(A[i][0] == 1)
36            DFS(i,0, row, col, A);
37          if(A[i][col-1] == 1)
38            DFS(i, col-1, row, col, A);
39        }
40
41        int ans = 0;
42        for(int i=0;i<row;i++){
43          for(int j=0;j<col;j++){
44            if(A[i][j] == 1)ans++;
45          }
46        }
47        return ans;
48      }
49  };
```

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