

Max Area of Island (/problems/max-area-of-island/)

Submission Detail

728 / 728 test cases passed.

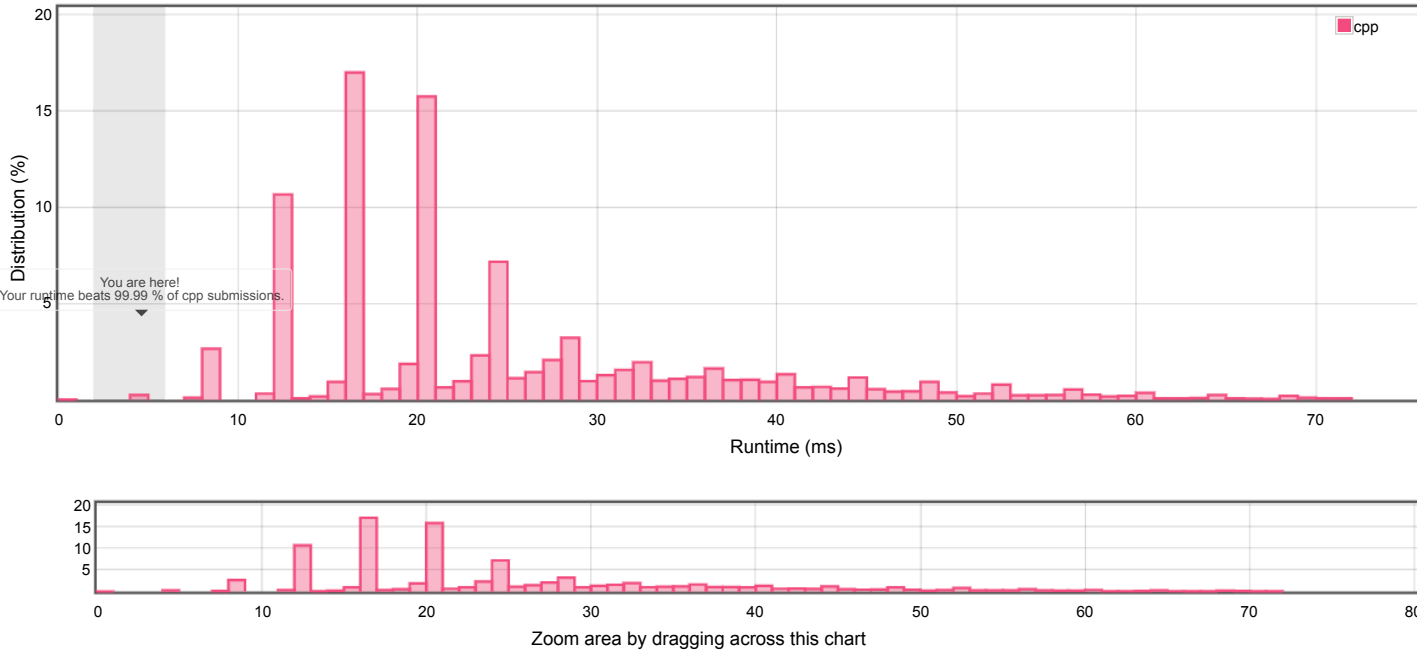
Runtime: 4 ms

Memory Usage: 23.2 MB

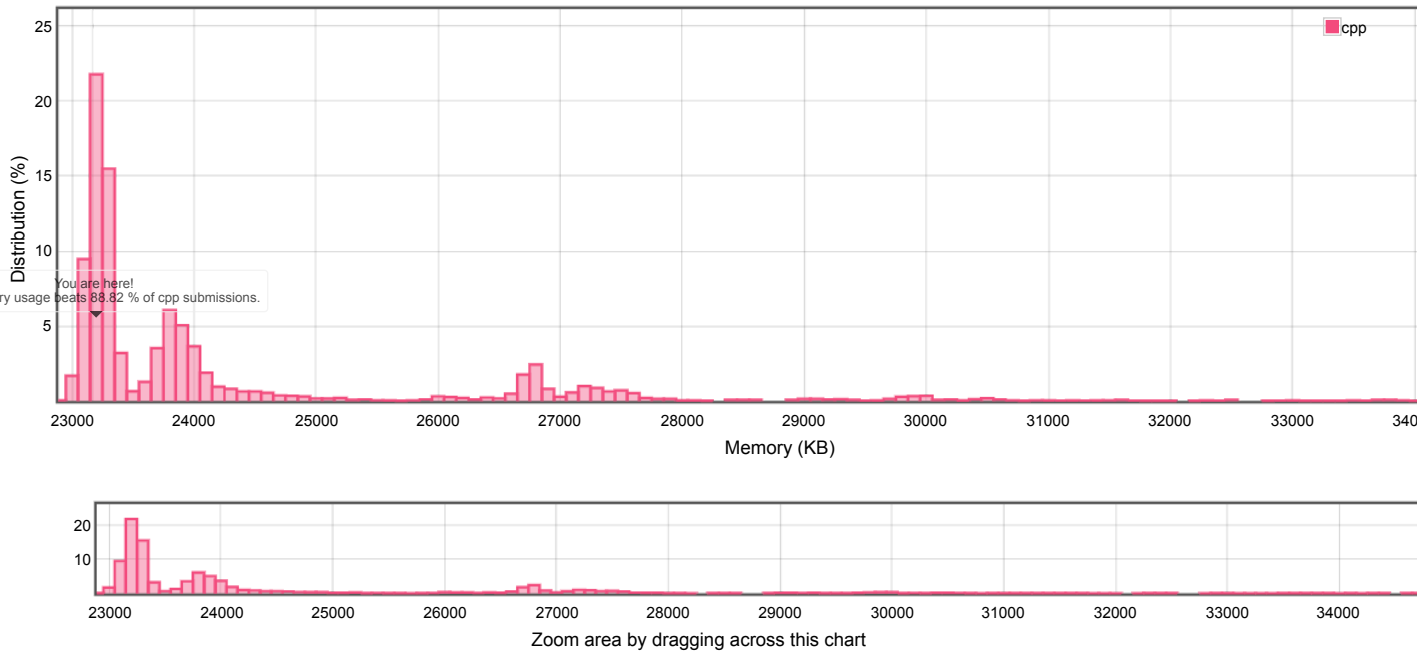
Status: Accepted

Submitted: 4 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Max Area of Island**

Submitted Code: 4 minutes ago

Language: cpp

Edit Code


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

```
3     int dfs(int x, int y, std::vector<std::vector<int>>& list){
4         if( x<0 || (x>=list.size()) || (y<0) || (y>=list[x].size()) ){
5             return 0;
6         }
7         if(list[x][y] == 1){
8             list[x][y] = 0;
9             return (1 + (dfs(x+1,y,list) + dfs(x-1,y,list) + dfs(x,y+1,list) + dfs(x,y-1,list)));
10        }
11        return 0;
12    }
13
14    int maxAreaOfIsland(std::vector<std::vector<int>>& grid)
15    {
16        int m=grid.size();
17        int n=grid[0].size();
18        int ans = 0;
19        for(int i=0; i<m; i++)
20        {
21            for(int j=0; j<n; j++)
22            {
23                if(grid[i][j]==1)
24                    ans = std::max(ans, dfs(i, j, grid));
25            }
26        }
27        return ans;
28    }
29 }
```

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