

Similar String Groups (/problems/similar-string-groups/)

Submission Detail

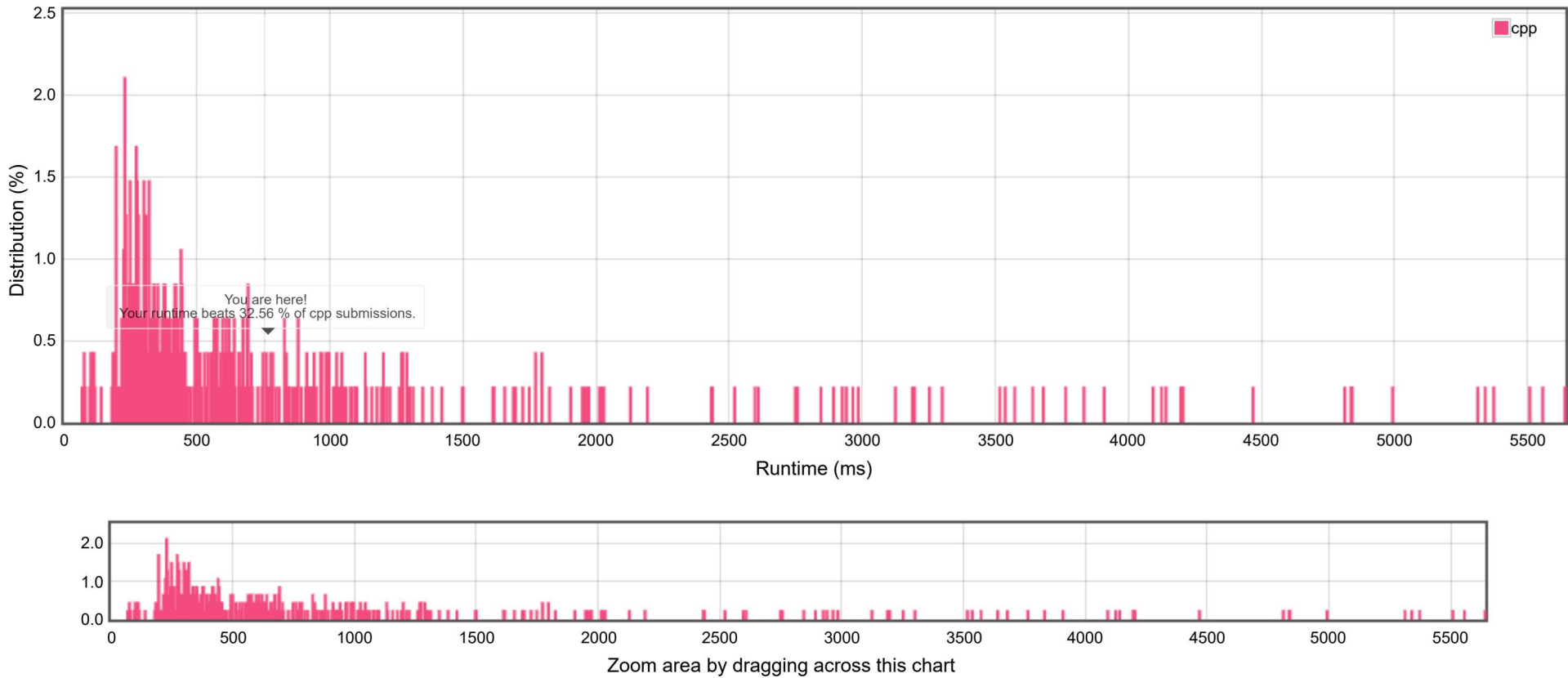
62 / 62 test cases passed.

Runtime: 756 ms

Status: Accepted

Submitted: 19 minutes ago

Accepted Solutions Runtime Distribution



Invite friends to challenge **Similar String Groups**

Submitted Code: 19 minutes ago

Language: cpp

Edit Code

```
1 class Solution {
2 public:
3
4     map<string, vector<string>>> G;
5     map<string, bool> visited;
6
7     int numSimilarGroups(vector<string>& A) {
8
9         computeGraph(A);
10
11         int count = 0;
12         for (int i = 0; i < A.size(); i++) {
13             if (!visited[A[i]]) {
14                 dfs(A[i]);
15                 count++;
16             }
17         }
18
19         return count;
20
21     }
22
23     void dfs(string item) {
24
25         visited[item] = true;
26         for (int i = 0; i < G[item].size(); i++) {
27             if (!visited[G[item][i]]) {
28                 dfs(G[item][i]);
29             }
30         }
31
32     }
33
34     void computeGraph(vector<string>& A) {
35
36         for (int i = 0; i < A.size(); i++) {
37             for (int j = i + 1; j < A.size(); j++) {
38                 if (isSimilar(A[i], A[j])) {
39                     G[A[i]].push_back(A[j]);
40                     G[A[j]].push_back(A[i]);
41                 }
42             }
43         }
44     }
45 }
```

```
43     }
44
45 }
46
47 bool isSimilar(string &x, string &y) {
48
49     int a = -1, b = -1;
50     for (int i = 0; i < x.size(); i++) {
51         if (x[i] != y[i]) {
52             if (a == -1) {
53                 a = i;
54             } else {
55                 string temp(x);
56                 char tmp = temp[i];
57                 temp[i] = temp[a];
58                 temp[a] = tmp;
59                 if (temp == y) {
60                     return true;
61                 }
62                 return false;
63             }
64         }
65     }
66     return false;
67
68 }
69
70 };
```

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