

Asteroid Collision (/problems/asteroid-collision/)

Submission Detail

**275 / 275** test cases passed.

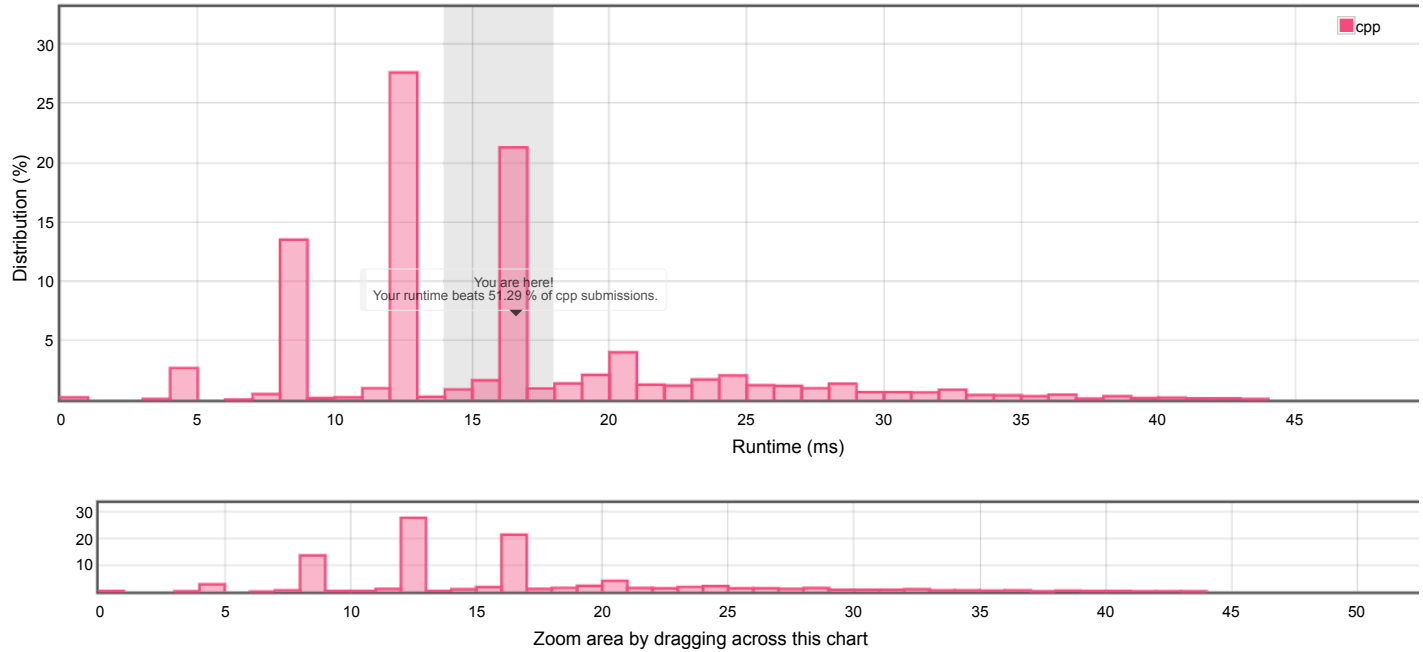
Runtime: **16 ms**

Memory Usage: **18.1 MB**

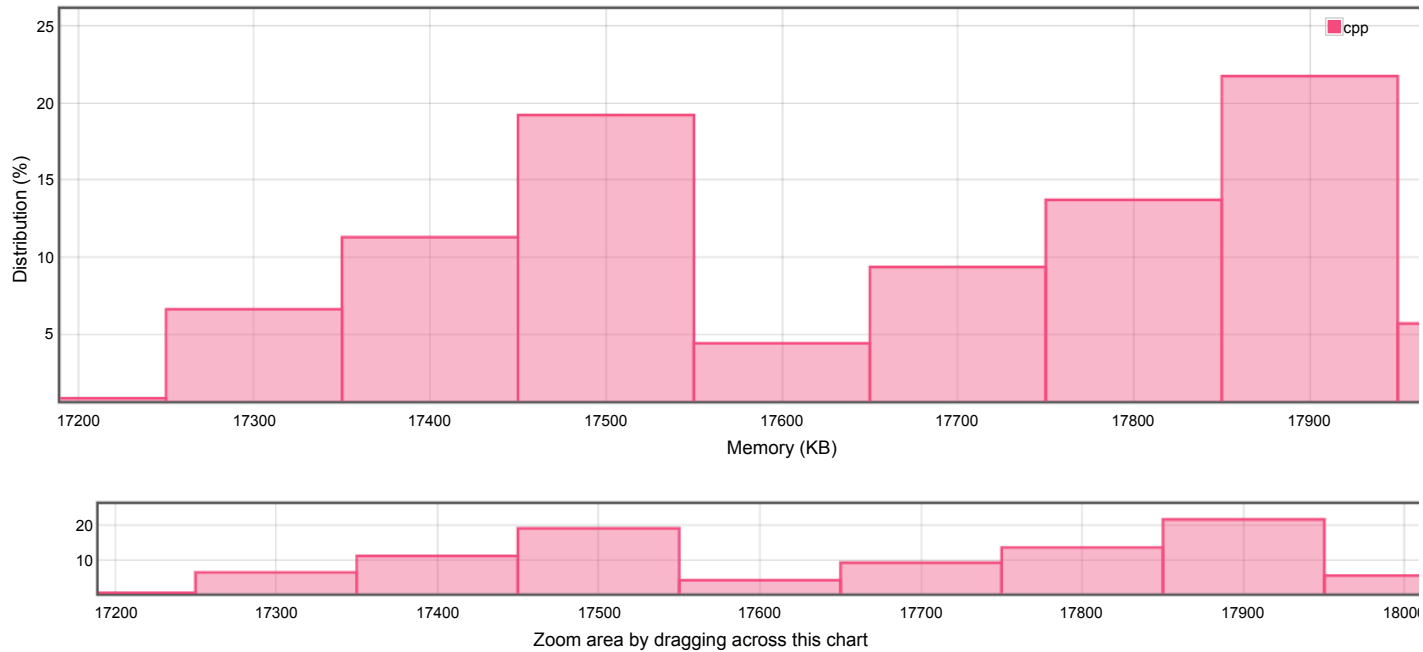
Status: **Accepted**

Submitted: **0 minutes ago**

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **Asteroid Collision**

Submitted Code: 0 minutes ago

Language: cpp

Edit Code


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

```
3    vector<int> asteroidCollision(vector<int>& asteroids) {
4        stack<int> RES;
5        for (auto y: asteroids)
6        {
7            while (!RES.empty() && (RES.top() > 0 && y < 0))
8            {
9                int x = RES.top();
10               RES.pop();
11
12               if (x + y == 0) {
13                   y = 0;
14                   break;
15               }
16               //el valor absoluto representa su tamaño y el signo representa su dirección
17               if (abs(x) > abs(y))
18               {
19                   y = x;
20               }
21           }
22
23           if (y)
24           {
25               RES.push(y);
26           }
27       }
28
29       vector<int> ans(RES.size());
30       int n=ans.size();
31       for (int i =n-1; i>= 0; i--)
32       {
33           ans[i] = RES.top();
34           RES.pop();
35       }
36       return ans;
37   }
38 }
39 };
```

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