

## Add Binary (/problems/add-binary/)

## Submission Detail

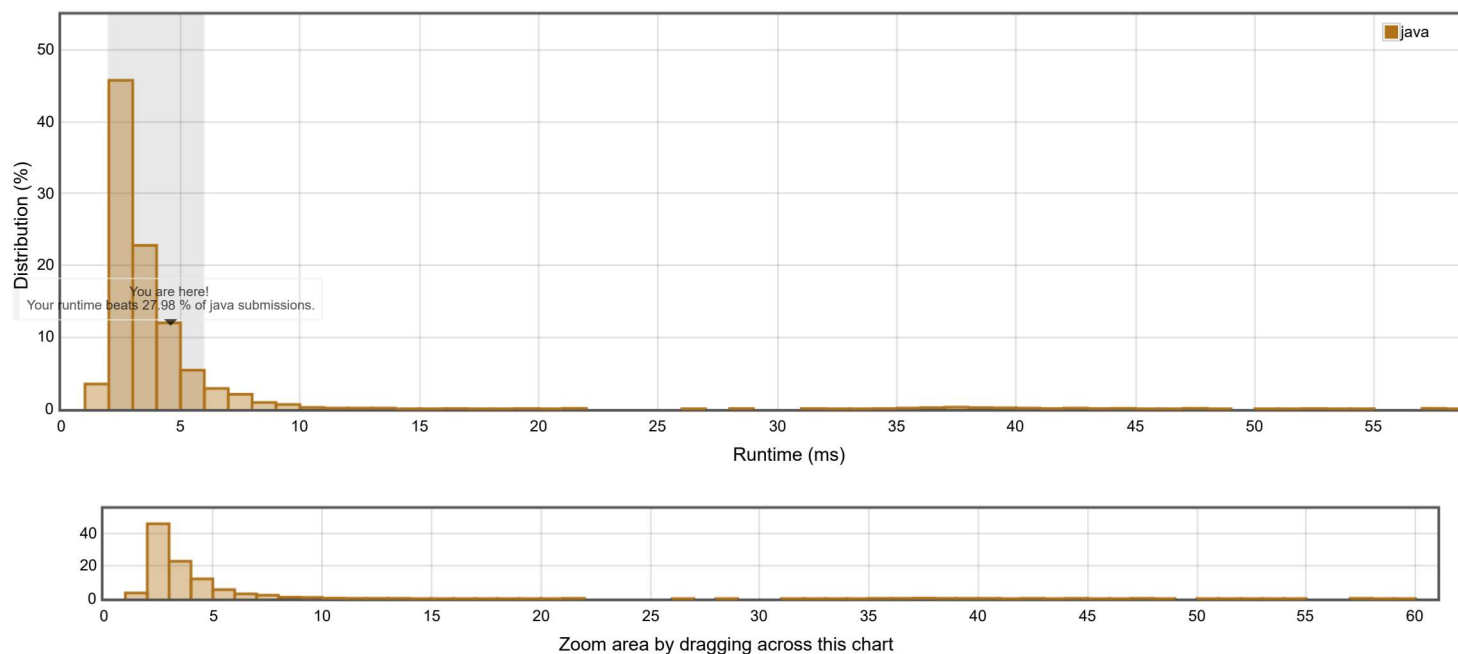
294 / 294 test cases passed.

Runtime: 4 ms

Status: Accepted

Submitted: 1 month, 1 week ago

## Accepted Solutions Runtime Distribution

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Submitted Code: 1 month, 1 week ago

Language: java

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```
1 class Solution {
2     public String addBinary(String a, String b) {
3         int al=a.length()-1;
4         int bl=b.length()-1;
5         char carry='0';
6         String ans="";
7         while(al>=0 || bl>=0){
8             if(al>=0 && bl>=0){
9                 if(a.charAt(al)=='1' && b.charAt(bl)=='1'){
10                     if(carry=='0'){
11                         ans='0'+ans;
12                         carry='1';
13                     }else{
14                         ans='1'+ans;
15                         carry='1';
16                     }
17                 }else if((a.charAt(al)=='1' && b.charAt(bl)=='0') || (a.charAt(al)=='0' && b.charAt(bl)=='1' )){
18                     if(carry=='0'){
19                         ans='1'+ans;
20                         carry='0';
21                     }else{
22                         ans='0'+ans;
23                         carry='1';
24                     }
25                 }
26             }else{
27                 if(carry=='0'){
28                     ans='0'+ans;
29                     carry='0';
30                 }else{
31                     ans='1'+ans;
32                     carry='0';
33                 }
34             }
35             al--;
36             bl--;
37         }
38         return ans;
39     }
40 }
```

```
30         }else{
31             ans='1'+ans;
32             carry='0';
33         }
34     }
35     }else if(a1 >=0){
36         if(a.charAt(a1)=='0'){
37             if(carry=='0'){
38                 ans='0'+ans;
39                 carry='0';
40             }else{
41                 ans='1'+ans;
42                 carry='0';
43             }
44         }
45         }else{
46             if(carry=='0'){
47                 ans='1'+ans;
48                 carry='0';
49             }else{
50                 ans='0'+ans;
51                 carry='1';
52             }
53         }
54     }
55     else{
56         if(b.charAt(b1)=='0'){
57             if(carry=='0'){
58                 ans='0'+ans;
59                 carry='0';
60             }else{
61                 ans='1'+ans;
62                 carry='0';
63             }
64         }
65         }else{
66             if(carry=='0'){
67                 ans='1'+ans;
68                 carry='0';
69             }else{
70                 ans='0'+ans;
71                 carry='1';
72             }
73         }
74     }
75
76
77
78
79     }
80
81     a1--;
82     b1--;
83 }
84
85 if(carry=='1'){
86     ans='1'+ans;
87 }
88 return ans;
89
90 }
91 }
```

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