

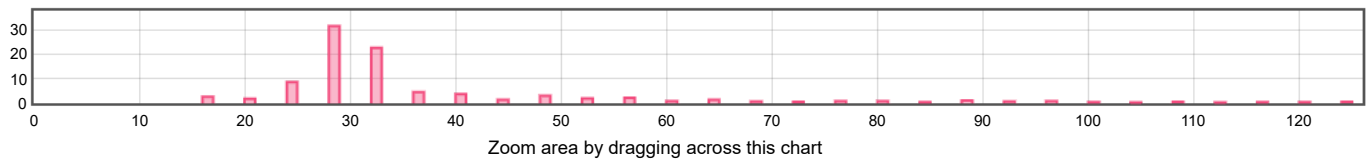
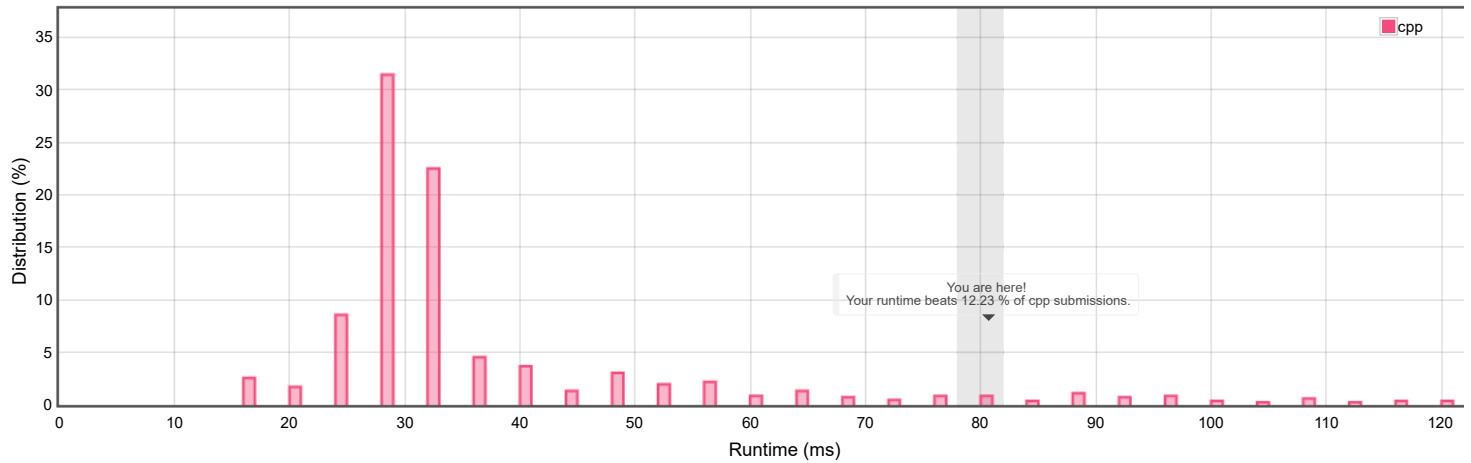
ZigZag Conversion (/problems/zigzag-conversion/)

Submission Detail

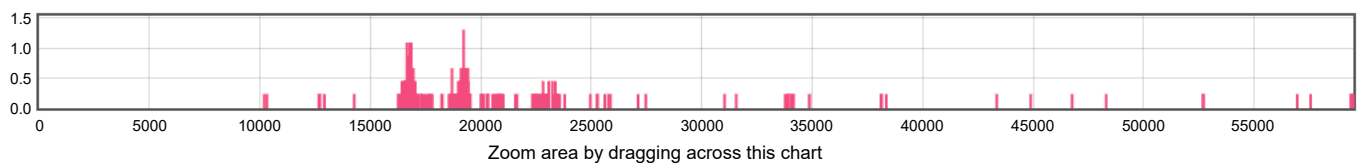
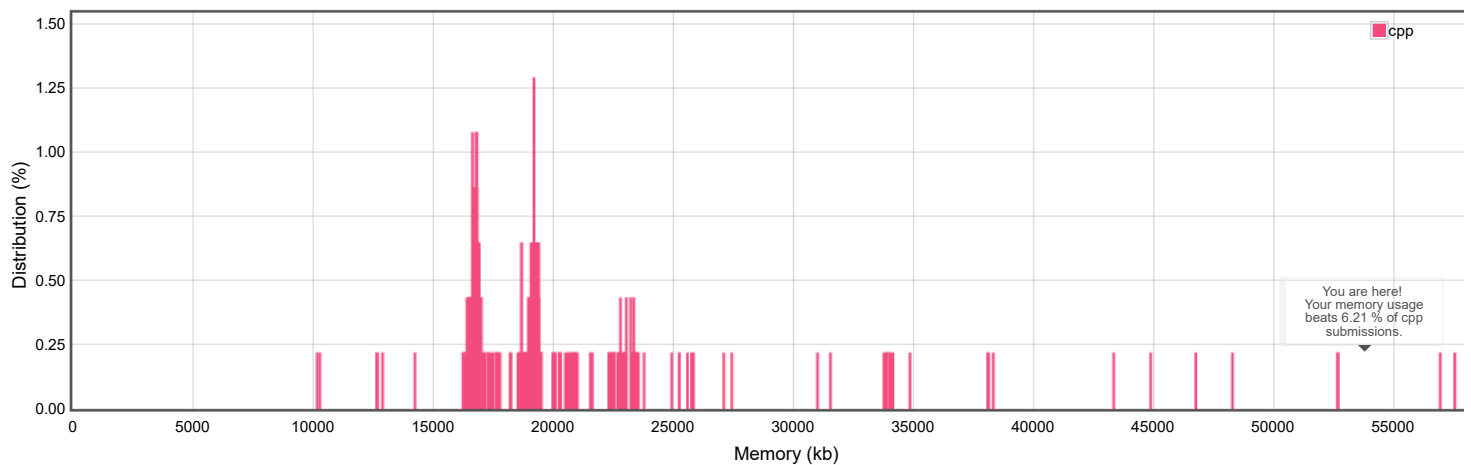
1158 / 1158 test cases passed.

Status: **Accepted**Runtime: **80 ms**Memory Usage: **57.4 MB**Submitted: **1 minute ago**

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution

Invite friends to challenge **ZigZag Conversion**

Submitted Code: 1 minute ago


Language: cpp

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```
1 class Solution {
2 public:
3     string convert(string s, int numRows) {
4         if(numRows==1)return(s);
5         string ans1[numRows];
6
7         int columns=0;
8         int temp=numRows+numRows-2;
9         int div=s.length()/temp;
10        int rem = s.length() % temp;
11        columns= div * (numRows-1);
12        if(rem<numRows)
13        {
14            columns++;
15            rem=rem-numRows;
16        }
17        if(rem>0)columns=columns+rem;
18        int i=0;
19        int j=0;
20        int k=0;
21        while(j<columns && k<s.length())
22        {
23            ans1[i]=ans1[i]+s[k];
24            k++;
25            if(i<numRows)
26            {
27                if(j%(numRows-1)==0)
28                {
29                    i++;
30                }
31                else
32                {
33                    i--;
34                    j++;
35                }
36                if(i==numRows)
37                {
38                    if(j==columns)
39                    {
40                        break;
41                    }
42                    j++;
43                    i--;
44                    i--;
45                }
46            }
47        }
48    }
49    string ans="";
50    for(int i=0; i<numRows; i++)
51    {
52        ans=ans+ans1[i];
53    }
54
55    return(ans);
56
57 }
58 };
```

[Back to problem \(/problems/zigzag-conversion/\)](/problems/zigzag-conversion/)

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