ZigZag Conversion (/problems/zigzag-conversion/)

Submission Detail

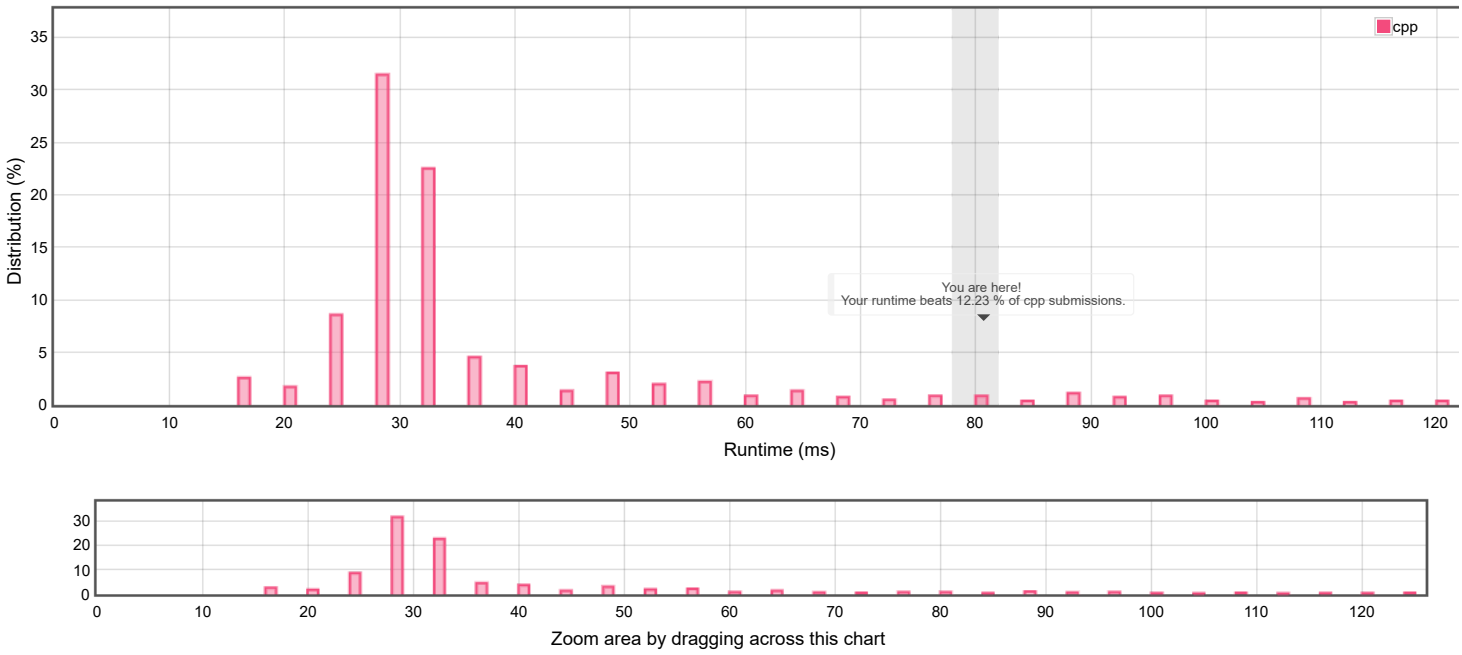
1158 / 1158 test cases passed.

Status: Accepted

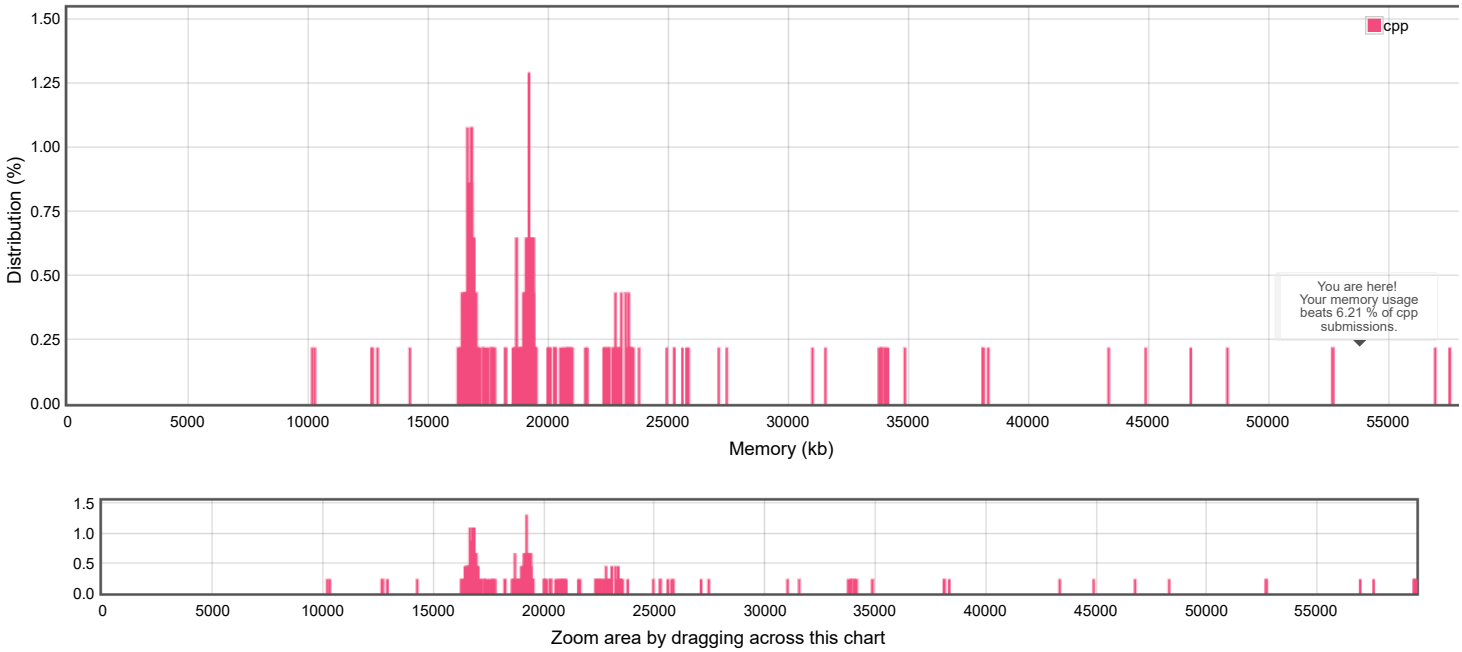
Runtime: **80 ms**
Memory Usage: **57.4 MB**

Submitted: **1 minute ago**

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge **ZigZag Conversion**

47

Submitted Code: 1 minute ago

Language: cpp

Edit Code

```cpp
class Solution {
public:
    string convert(string s, int numRows) {
        if(numRows==1)return(s);
        string ans1[numRows];

        int columns=0;
        int temp=numRows+numRows-2;
        int div=s.length()/temp;
        int rem = s.length() % temp;
        columns= div * (numRows-1);
        if(rem<=numRows)
        {
            columns++;
            rem=rem-numRows;
        }
        if(rem>0)columns=columns+rem;
        int i=0;
        int j=0;
        int k=0;
        while(j<columns && k<s.length())
        {
            ans1[i]=ans1[i]+s[k];
            k++;
            if(i<numRows)
            {
                if(j%(numRows-1)==0)
                {
                    i++;
                }
                else
                {
                    i--;
                    j++;
                }
                if(i==numRows)
                {
                    if(j==columns)
                    {
                        break;
                    }
                    j++;
                    i--;
                    i--;
                }

            }
        }
        string ans="";
        for(int i=0; i<numRows; i++)
        {
            ans=ans+ans1[i];
        }

        return(ans);

    }
};
```

Back to problem (/problems/zigzag-conversion/)