Edit Distance (/problems/edit-distance/)
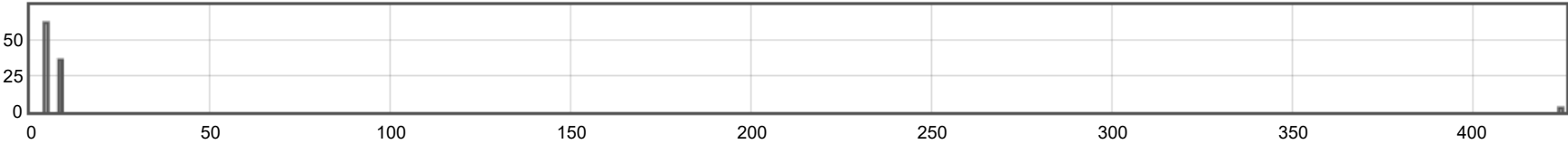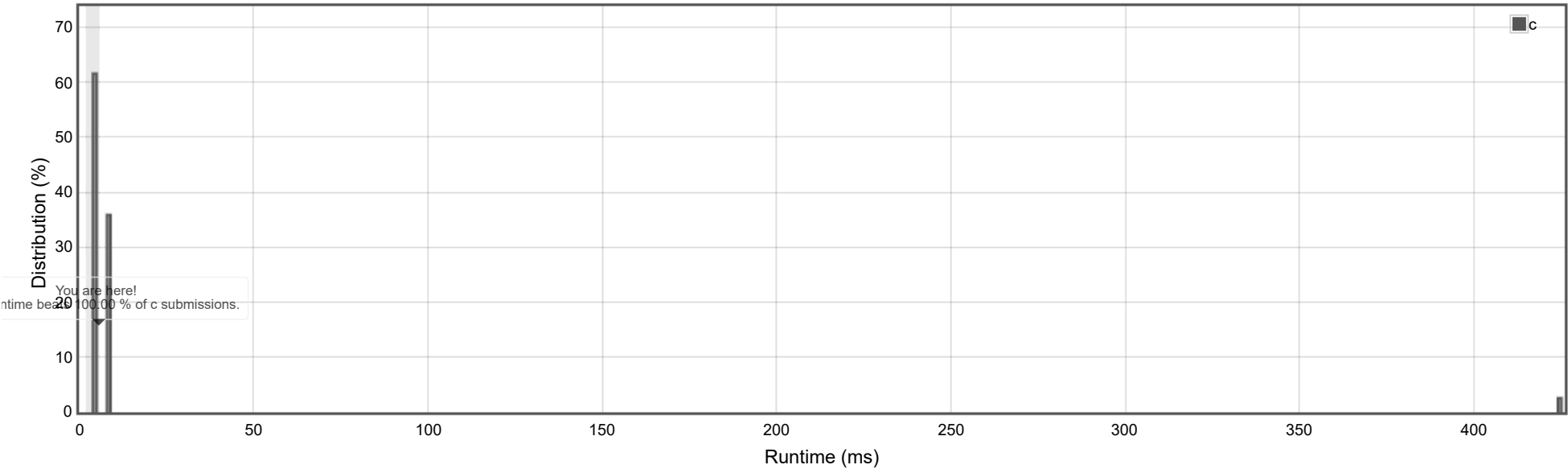
Submission Detail

1146 / 1146 test cases passed.

Runtime: **4 ms**

Status: Accepted

Submitted: **43 minutes ago**

Accepted Solutions Runtime Distribution

Invite friends to challenge **Edit Distance**

◄16

Submitted Code: 43 minutes ago

Language: c

<div style="text-align: right;">Edit Code</div>

```c
int minDistance(char *word1, char *word2) {
    int len1 = strlen(word1);
    int len2 = strlen(word2);
    int DP[len1 + 1][len2 + 1];
    for (int i = 0; i < len1 + 1; i++)
    DP[i][0] = i;
    for (int j = 0; j < len2 + 1; j++)
    DP[0][j] = j;
    for (int i = 1; i < len1 + 1; i++) {
    for (int j = 1; j < len2 + 1; j++) {
        if (word1[i - 1] == word2[j - 1])
        DP[i][j] = DP[i - 1][j - 1];
        else
        DP[i][j] = fmin(fmin(DP[i - 1][j], DP[i][j - 1]), DP[i - 1][j - 1]) + 1;
    }
    }
    return DP[len1][len2];
}
```

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