Maximal Square (/problems/maximal-square/)
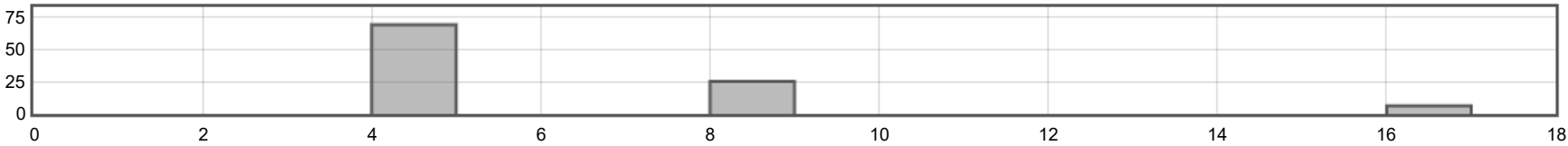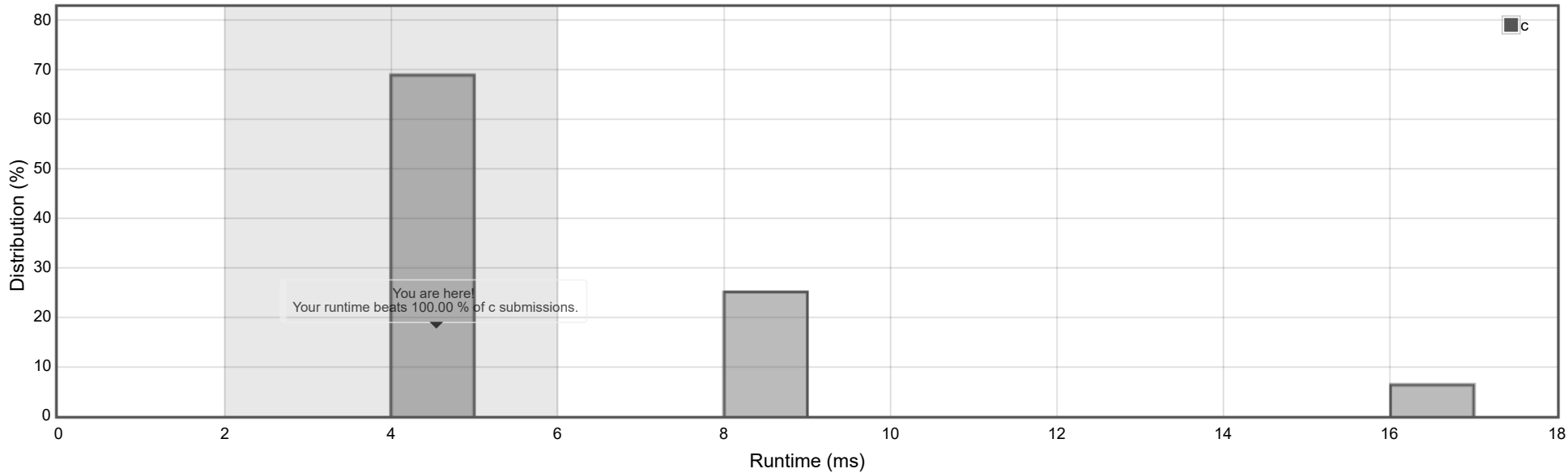
Submission Detail

68 / 68 test cases passed.

Runtime: **4 ms**

Status: Accepted

Submitted: **2 hours, 27 minutes ago**

Accepted Solutions Runtime Distribution

You are here!
Your runtime beats 100.00 % of c submissions.

Invite friends to challenge **Maximal Square**

Submitted Code: 2 hours, 27 minutes ago

Language: c

Edit Code

```c
int maximalSquare(char** M, int nrow, int ncol) {
    if (nrow == 0 && ncol == 0)
        return 0;
    int DP[nrow][ncol];
    int max = 0;
    for (int i = 0; i < nrow; i++)
        if (M[i][0] == '1')
            DP[i][0] = max = 1;
        else
            DP[i][0] = 0;
    for (int j = 0; j < ncol; j++)
        if (M[0][j] == '1')
            DP[0][j] = max = 1;
        else
            DP[0][j] = 0;
    for (int i = 1; i < nrow; i++) {
        for (int j = 1; j < ncol; j++) {
            if (M[i][j] == '1')
                DP[i][j] = fmin(fmin(DP[i-1][j-1], DP[i-1][j]), DP[i][j-1]) + 1;
            else
                DP[i][j] = 0;
            if (DP[i][j] > max)
                max = DP[i][j];
        }
    }
    return max * max;
}
```

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