Surrounded Regions (/problems/surrounded-regions/)

Submission Detail

58 / 58 test cases passed.
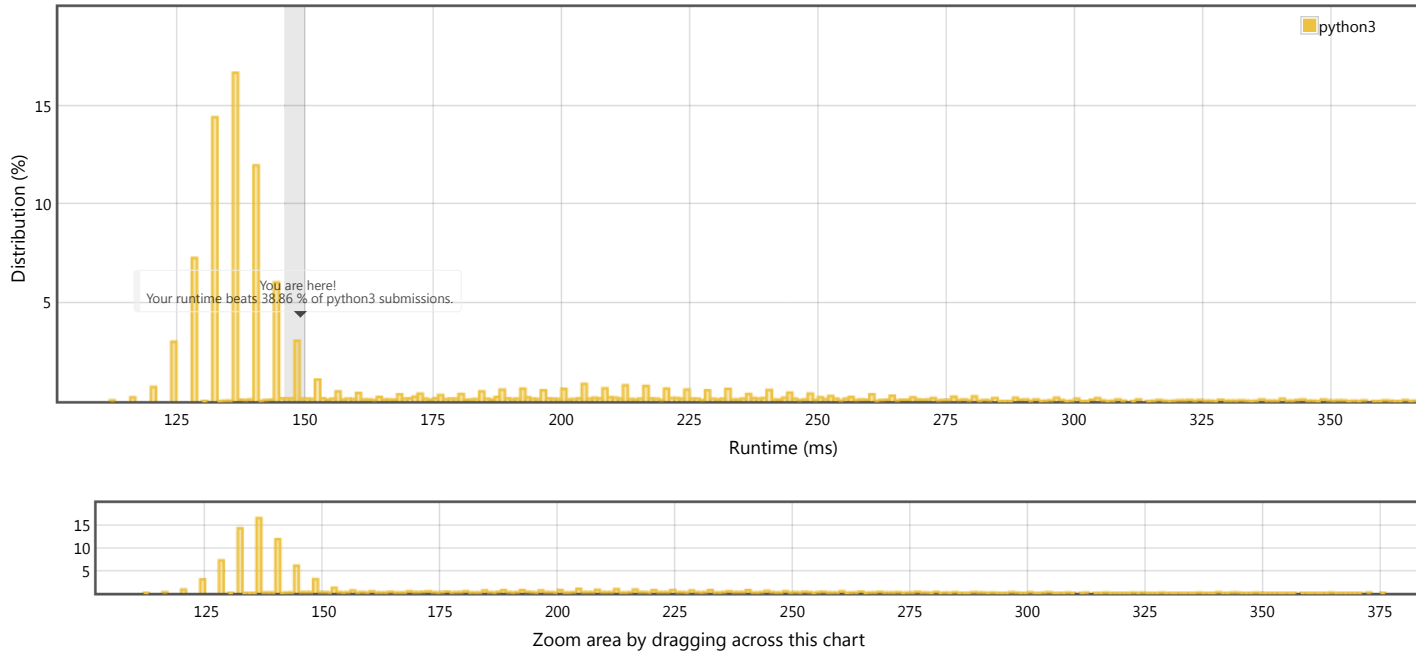
Runtime: **148 ms**
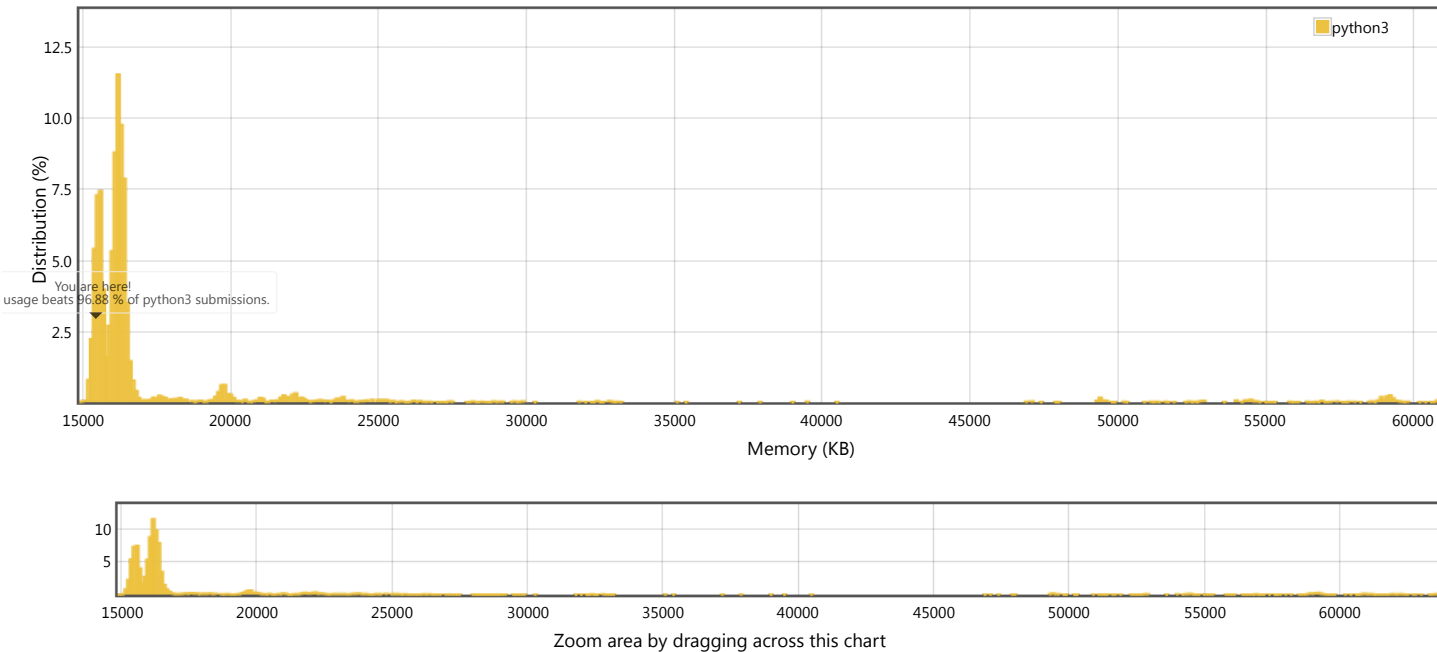Memory Usage: **15.3 MB**

Status: **Accepted**

Submitted: **4 minutes ago**

Accepted Solutions Runtime Distribution

Accepted Solutions Memory Distribution

Invite friends to challenge **Surrounded Regions**

◁ **13**

Submitted Code: 4 minutes ago

Language: python3

Edit Code

```
1   class Solution:
```

```python
    def solve(self, board: List[List[str]]) -> None:
        """
        Do not return anything, modify board in-place instead.
        """
        m = len(board)
        n = len(board[0])
        substitutes = 1
        if m >= 3 and n >= 3:
            for i in range(m):
                for j in range(n):
                    if board[i][j] == "O" and (i == 0 or i == m - 1 or j == 0 or j == n - 1):
                        board[i][j] = "R"

            while substitutes:
                substitutes = 0
                for i in range(1, m - 1):
                    for j in range(1, n - 1):
                        if board[i][j] == "O" and (board[i - 1][j] == "R" or board[i][j + 1] == "R" or board[i + 1][j] == "R" or
                            - 1] == "R"):
                            board[i][j] = "R"
                            substitutes += 1

            for i in range(m):
                for j in range(n):
                    if board[i][j] == "O":
                        board[i][j] = "X"
                    elif board[i][j] == "R":
                        board[i][j] = "O"
```

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