Move Zeroes

Submission Detail

21 / 21 test cases passed.

Runtime: **48 ms**
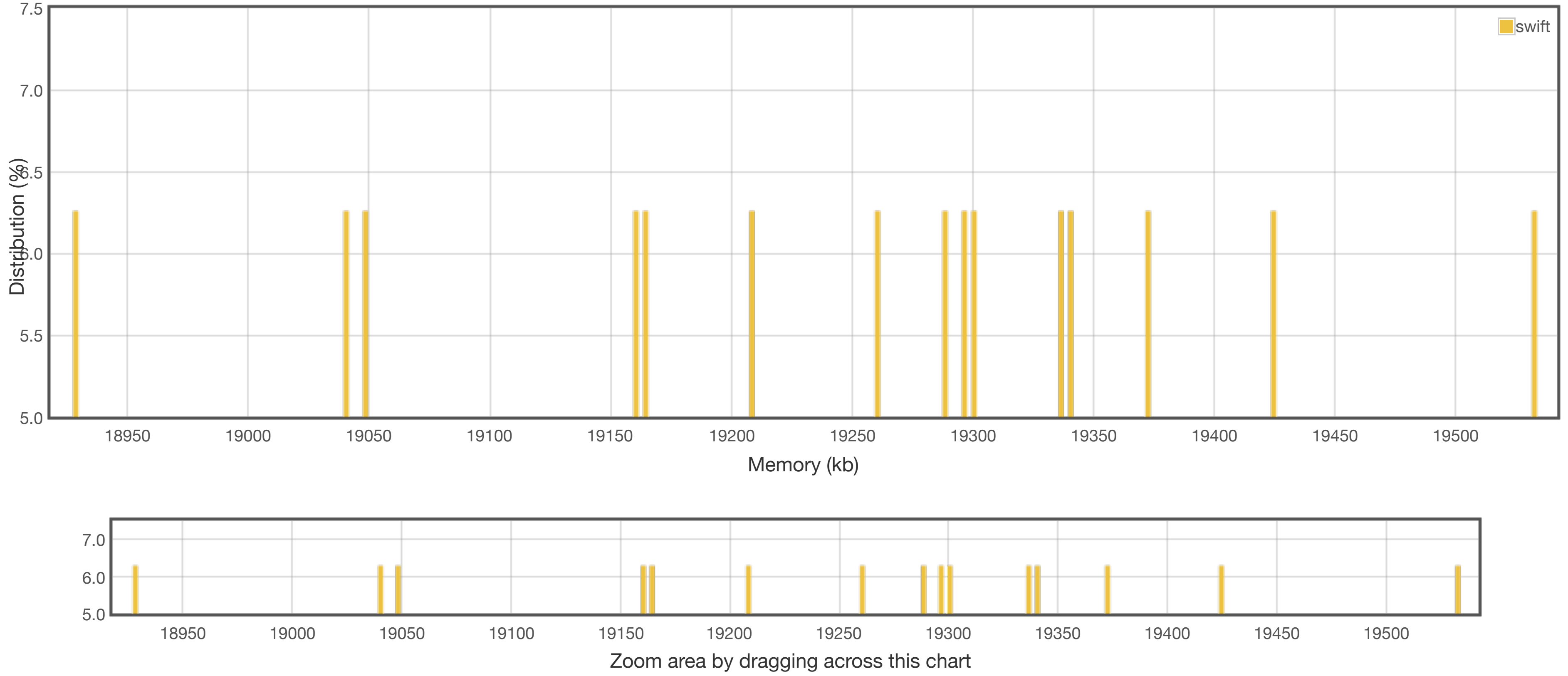Memory Usage: **21.3 MB**

Status: **Accepted**

Submitted: **0 minutes ago**

Accepted Solutions Runtime Distribution

You are here!
Your runtime beats 15.94 % of swift submissions.
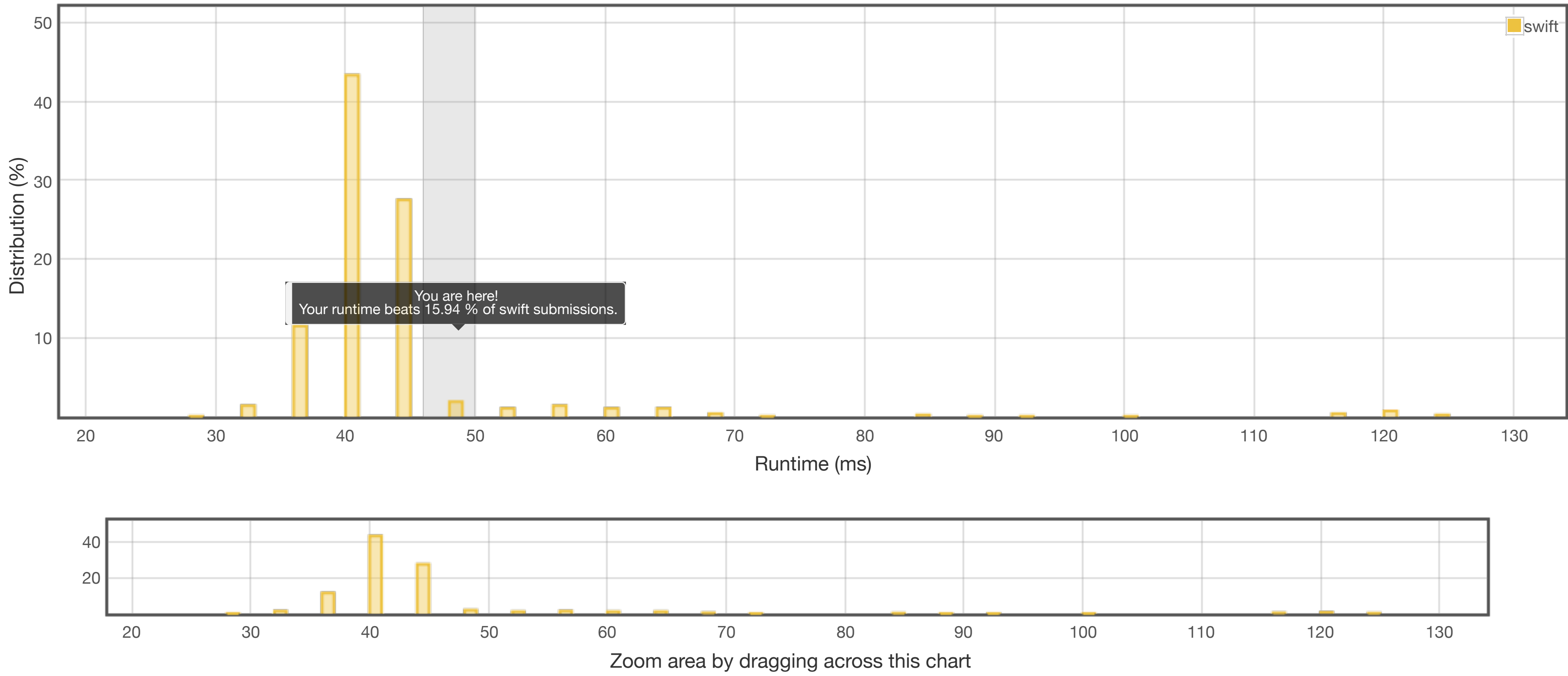
Accepted Solutions Memory Distribution

Invite friends to challenge **Move Zeroes**

Submitted Code: 0 minutes ago

Language: swift

Edit Code

```swift
class Solution {
    func moveZeroes(_ nums: inout [Int]) {
        _ = nums.halfStablePartition(isSuffixElement: { $0 == 0})
        return
    }
}

extension MutableCollection {
    /// Moves all elements satisfying `isSuffixElement` into a suffix of the collection,
    /// returning the start position of the resulting suffix.
    ///
    /// - Complexity: O(n) where n is the number of elements.
    mutating func halfStablePartition(isSuffixElement: (Element) -> Bool) -> Index {
        guard var i = firstIndex(where: isSuffixElement) else { return endIndex }
        var j = index(after: i)
        while j != endIndex {
            if !isSuffixElement(self[j]) {
                swapAt(i, j)
                formIndex(after: &i)
            }
            formIndex(after: &j)
        }
        return i
    }
}
```

Back to problem