

Trace the following code segments. Assume all variables are declared & initialized to zero. Circle the final values of each variable in each exercise.

```
1.
Dim names() As String = {"Jane", "Sally", "Bill", "Fred", "Mary"}
For J = 0 To names.Length() - 1
    For K = 0 to names(J).Length() - 1
        If (names(J).Substring(K, 1) = "a" Or names(J).Substring(K, 1) = "i") Then
            count += 1
        End If
    Next K
Next J
```

count                      J                      K

```
2.
word = "Mississippi"
length = word.Length()
For J = length - 1 To 1 Step -1
    If (word.Substring(J, 1) = word.Substring(J - 1, 1) Then
        word = word.Substring(0, J) + word.Substring(J + 1)
    End If
Next
```

length                      word                      J