**Test Cases:**

**Test Case ID:** T01

**Test Scenario:** Input size = N and elements to array

**Test steps:** N = 5

1 0 1 0 1

1 1 1 1 1

1 1 1 1 0

0 1 1 1 1

1 0 1 1 1

**Expected Results: 9**

**Actual Result:** As Expected

**Pass/ Fail: Pass**

**Test Case ID:** T02

**Test Scenario:** Input size = N and elements to array

**Test steps:** N = 4

1 0 1 0

1 1 1 1

0 1 1 1

1 0 1 1

**Expected Results: 6**

**Actual Result:** As Expected

**Pass/ Fail: Pass**

**Test Case ID:** T03

**Test Scenario:** Input size = N and elements to array

**Test steps:** N = 2

1 0

1 1

**Expected Results: 2**

**Actual Result:** As Expected

**Pass/ Fail: Pass**

**Test Case ID:** T04

**Test Scenario:** Input size = N and elements to array

**Test steps:** N = 6

0 0 1 0 1 0

1 1 1 1 1 1

0 1 0 1 0 1

1 0 1 1 0 1

0 1 0 1 0 1

1 1 1 1 1 0

**Expected Results: 6**

**Actual Result:** As Expected

**Pass/ Fail: Pass**

**Test Case ID:** T05

**Test Scenario:** Input size = N and elements to array

**Test steps:** N = 5

1 0 1 0 1

1 1 1 1 1

0 1 1 1 0

1 0 1 1 1

1 1 1 1 1

**Expected Results: 8**

**Actual Result:** As Expected

**Pass/ Fail: Pass**