**Control flow graph for odd-even sort:**

1. i=0
2. j < n/2
3. j=0
4. j+1<n
5. array[j]>array[j+1]
6. int T = array[j];

array[j] = array[j+1];

array[j+1] = T;

1. j=j+2
2. j=1

**R6**

1. j+1<n
2. array[j]>array[j+1]
3. int T = array[j];

array[j] = array[j+1];

array[j+1] = T;

1. j=j+2

**R1**

1. i++

**R2**

1. end

Number of nodes N=12

Number of edges E=14

Number of regions R=4

Number of predicate nodes P=3

Cyclomatic complexity = R

= P+1

= E-N+1

Cyclomatic complexity = 4

**R3**

**R4**

**R5**

Number of nodes N=14

Number of edges E=18

Number of regions R=6

Number of predicate nodes P=5

Cyclomatic complexity = R

= P+1

= E-N+2

Cyclomatic complexity = 6