Simulasi dengan Skenario 1 (Posisi Agen dan Ketetanggaan Berubah)

# Simulation 1

## Agent Positions

R1: [32.2, 29.2]

R2: [32.4, 97.6]

R3: [7.4, 96.6]

R4: [11.2, 62.2]

R5: [43.8, 2.1]

R6: [4.1, 88.0]

## Adjacency Matrix

0 0 1 1 0 0

0 0 1 0 1 0

1 1 0 1 1 0

1 0 1 0 1 1

0 1 1 1 0 0

0 0 0 1 0 0

# Simulation 2

## Agent Positions

R1: [87.1, 92.2]

R2: [8.1, 31.6]

R3: [73.3, 85.0]

R4: [47.9, 68.4]

R5: [37.3, 48.7]

R6: [25.6, 91.1]

## Adjacency Matrix

0 0 0 0 1 1

0 0 0 1 1 1

0 0 0 1 1 0

0 1 1 0 0 1

1 1 1 0 0 0

1 1 0 1 0 0

# Simulation 3

## Agent Positions

R1: [62.3, 38.2]

R2: [91.3, 99.0]

R3: [17.3, 96.6]

R4: [22.0, 44.1]

R5: [3.3, 97.2]

R6: [61.7, 10.4]

## Adjacency Matrix

0 1 1 0 0 1

1 0 1 0 1 0

1 1 0 1 1 0

0 0 1 0 0 1

0 1 1 0 0 1

1 0 0 1 1 0

# Simulation 4

## Agent Positions

R1: [15.4, 22.5]

R2: [34.8, 69.0]

R3: [49.1, 26.3]

R4: [29.9, 15.0]

R5: [2.3, 8.1]

R6: [95.2, 35.3]

## Adjacency Matrix

0 0 0 1 0 1

0 0 1 0 1 1

0 1 0 0 0 0

1 0 0 0 1 1

0 1 0 1 0 1

1 1 0 1 1 0

# Simulation 5

## Agent Positions

R1: [76.5, 3.6]

R2: [95.3, 74.1]

R3: [22.7, 6.3]

R4: [0.2, 26.0]

R5: [32.5, 80.2]

R6: [95.9, 1.3]

## Adjacency Matrix

0 1 0 1 0 0

1 0 0 0 0 1

0 0 0 1 0 1

1 0 1 0 1 0

0 0 0 1 0 1

0 1 1 0 1 0

# Simulation 6

## Agent Positions

R1: [92.4, 91.8]

R2: [7.5, 26.8]

R3: [51.0, 76.7]

R4: [0.7, 46.1]

R5: [63.5, 71.3]

R6: [27.3, 70.7]

## Adjacency Matrix

0 1 0 0 0 1

1 0 0 0 1 1

0 0 0 0 1 0

0 0 0 0 1 1

0 1 1 1 0 0

1 1 0 1 0 0

# Simulation 7

## Agent Positions

R1: [0.8, 73.8]

R2: [29.3, 56.0]

R3: [40.1, 3.0]

R4: [26.4, 57.1]

R5: [55.7, 13.6]

R6: [95.1, 31.6]

## Adjacency Matrix

0 1 0 0 1 0

1 0 0 0 1 1

0 0 0 1 0 0

0 0 1 0 1 0

1 1 0 1 0 1

0 1 0 0 1 0

# Simulation 8

## Agent Positions

R1: [45.6, 52.9]

R2: [21.1, 37.0]

R3: [70.2, 23.6]

R4: [60.8, 13.1]

R5: [71.9, 46.9]

R6: [85.6, 83.2]

## Adjacency Matrix

0 0 1 1 1 1

0 0 1 0 0 1

1 1 0 1 0 0

1 0 1 0 1 0

1 0 0 1 0 1

1 1 0 0 1 0

# Simulation 9

## Agent Positions

R1: [54.9, 40.2]

R2: [93.6, 35.6]

R3: [23.5, 69.0]

R4: [44.4, 60.8]

R5: [90.0, 25.6]

R6: [32.0, 75.7]

## Adjacency Matrix

0 0 1 0 0 1

0 0 1 1 1 0

1 1 0 1 0 1

0 1 1 0 0 0

0 1 0 0 0 1

1 0 1 0 1 0

# Simulation 10

## Agent Positions

R1: [36.7, 39.0]

R2: [14.9, 10.4]

R3: [88.9, 68.6]

R4: [44.7, 52.2]

R5: [50.7, 7.0]

R6: [68.1, 75.9]

## Adjacency Matrix

0 0 1 1 1 0

0 0 1 0 0 0

1 1 0 0 1 1

1 0 0 0 1 1

1 0 1 1 0 1

0 0 1 1 1 0

# Simulation 11

## Agent Positions

R1: [19.6, 96.5]

R2: [45.6, 28.9]

R3: [32.2, 50.4]

R4: [56.5, 35.9]

R5: [57.8, 36.8]

R6: [38.1, 96.7]

## Adjacency Matrix

0 0 0 1 0 1

0 0 0 1 0 1

0 0 0 0 0 1

1 1 0 0 1 0

0 0 0 1 0 1

1 1 1 0 1 0

# Simulation 12

## Agent Positions

R1: [93.9, 64.6]

R2: [22.4, 59.7]

R3: [50.9, 87.0]

R4: [68.7, 25.0]

R5: [77.0, 53.7]

R6: [11.6, 88.6]

## Adjacency Matrix

0 0 0 1 0 1

0 0 0 1 1 1

0 0 0 1 1 1

1 1 1 0 1 1

0 1 1 1 0 1

1 1 1 1 1 0

# Simulation 13

## Agent Positions

R1: [63.7, 86.0]

R2: [97.9, 41.1]

R3: [34.3, 37.0]

R4: [62.8, 14.5]

R5: [16.8, 60.1]

R6: [82.9, 43.6]

## Adjacency Matrix

0 1 0 1 1 1

1 0 1 1 0 1

0 1 0 1 0 1

1 1 1 0 1 0

1 0 0 1 0 0

1 1 1 0 0 0

# Simulation 14

## Agent Positions

R1: [85.2, 95.6]

R2: [6.4, 50.5]

R3: [34.0, 76.1]

R4: [28.8, 7.6]

R5: [32.0, 67.7]

R6: [91.6, 86.1]

## Adjacency Matrix

0 0 0 0 1 0

0 0 0 0 1 0

0 0 0 1 1 0

0 0 1 0 1 1

1 1 1 1 0 1

0 0 0 1 1 0

# Simulation 15

## Agent Positions

R1: [68.8, 19.0]

R2: [88.6, 87.3]

R3: [10.9, 93.7]

R4: [17.5, 75.4]

R5: [67.7, 3.1]

R6: [9.9, 73.5]

## Adjacency Matrix

0 0 0 1 1 1

0 0 1 1 0 1

0 1 0 0 1 0

1 1 0 0 0 0

1 0 1 0 0 1

1 1 0 0 1 0

# Simulation 16

## Agent Positions

R1: [0.5, 36.1]

R2: [3.3, 28.6]

R3: [99.9, 14.9]

R4: [65.5, 47.9]

R5: [72.4, 89.7]

R6: [50.5, 37.2]

## Adjacency Matrix

0 1 0 1 0 1

1 0 1 1 1 1

0 1 0 0 0 1

1 1 0 0 1 1

0 1 0 1 0 1

1 1 1 1 1 0

# Simulation 17

## Agent Positions

R1: [7.5, 3.4]

R2: [38.0, 55.6]

R3: [84.1, 96.3]

R4: [29.7, 78.4]

R5: [76.2, 94.7]

R6: [22.0, 35.1]

## Adjacency Matrix

0 0 1 1 1 1

0 0 1 0 1 1

1 1 0 1 1 1

1 0 1 0 1 0

1 1 1 1 0 0

1 1 1 0 0 0

# Simulation 18

## Agent Positions

R1: [78.6, 50.4]

R2: [31.2, 5.4]

R3: [89.9, 86.4]

R4: [81.4, 32.0]

R5: [34.3, 26.8]

R6: [16.9, 9.5]

## Adjacency Matrix

0 0 0 1 1 0

0 0 0 0 1 0

0 0 0 0 1 0

1 0 0 0 1 0

1 1 1 1 0 0

0 0 0 0 0 0

# Simulation 19

## Agent Positions

R1: [63.9, 35.3]

R2: [34.2, 1.9]

R3: [96.7, 15.4]

R4: [84.4, 47.9]

R5: [87.5, 9.3]

R6: [29.2, 10.3]

## Adjacency Matrix

0 1 1 1 0 0

1 0 1 0 1 1

1 1 0 0 1 0

1 0 0 0 1 1

0 1 1 1 0 0

0 1 0 1 0 0

# Simulation 20

## Agent Positions

R1: [76.0, 87.5]

R2: [6.9, 91.6]

R3: [93.4, 79.6]

R4: [62.5, 0.2]

R5: [65.1, 29.9]

R6: [30.9, 31.6]

## Adjacency Matrix

0 0 1 1 1 1

0 0 0 0 1 1

1 0 0 1 1 0

1 0 1 0 0 1

1 1 1 0 0 0

1 1 0 1 0 0

# Simulation 21

## Agent Positions

R1: [80.1, 3.1]

R2: [71.4, 97.5]

R3: [8.2, 62.8]

R4: [10.4, 46.5]

R5: [34.9, 99.1]

R6: [79.0, 87.6]

## Adjacency Matrix

0 1 1 0 1 1

1 0 1 0 0 1

1 1 0 1 1 1

0 0 1 0 1 1

1 0 1 1 0 0

1 1 1 1 0 0

# Simulation 22

## Agent Positions

R1: [40.4, 78.5]

R2: [87.5, 54.6]

R3: [95.4, 77.3]

R4: [96.8, 75.5]

R5: [38.7, 80.3]

R6: [61.2, 48.5]

## Adjacency Matrix

0 0 0 1 1 0

0 0 0 0 1 0

0 0 0 0 1 1

1 0 0 0 0 1

1 1 1 0 0 1

0 0 1 1 1 0

# Simulation 23

## Agent Positions

R1: [99.1, 84.0]

R2: [90.4, 53.5]

R3: [89.6, 37.9]

R4: [63.9, 47.3]

R5: [56.4, 34.3]

R6: [88.9, 51.5]

## Adjacency Matrix

0 1 0 0 0 0

1 0 0 0 1 0

0 0 0 0 1 0

0 0 0 0 0 1

0 1 1 0 0 1

0 0 0 1 1 0

# Simulation 24

## Agent Positions

R1: [78.9, 40.1]

R2: [77.8, 16.8]

R3: [98.9, 8.2]

R4: [78.1, 75.9]

R5: [99.8, 59.6]

R6: [35.5, 1.5]

## Adjacency Matrix

0 1 0 0 0 1

1 0 1 1 0 1

0 1 0 1 1 0

0 1 1 0 0 1

0 0 1 0 0 1

1 1 0 1 1 0

# Simulation 25

## Agent Positions

R1: [21.8, 40.9]

R2: [8.2, 77.4]

R3: [73.2, 72.8]

R4: [37.6, 33.9]

R5: [87.8, 4.0]

R6: [35.7, 13.4]

## Adjacency Matrix

0 1 0 0 1 1

1 0 1 1 0 0

0 1 0 1 1 1

0 1 1 0 1 0

1 0 1 1 0 0

1 0 1 0 0 0

# Simulation 26

## Agent Positions

R1: [54.4, 8.5]

R2: [51.3, 7.9]

R3: [68.0, 84.1]

R4: [84.8, 30.6]

R5: [84.1, 8.8]

R6: [5.6, 77.8]

## Adjacency Matrix

0 1 1 0 0 1

1 0 0 1 0 0

1 0 0 1 1 0

0 1 1 0 0 1

0 0 1 0 0 0

1 0 0 1 0 0

# Simulation 27

## Agent Positions

R1: [12.5, 89.1]

R2: [68.7, 32.7]

R3: [3.4, 64.3]

R4: [27.4, 44.0]

R5: [84.6, 25.3]

R6: [19.0, 51.1]

## Adjacency Matrix

0 0 0 1 1 1

0 0 0 1 0 0

0 0 0 0 0 0

1 1 0 0 1 1

1 0 0 1 0 1

1 0 0 1 1 0

# Simulation 28

## Agent Positions

R1: [2.8, 70.8]

R2: [95.3, 34.9]

R3: [41.8, 42.7]

R4: [4.5, 28.3]

R5: [57.2, 74.6]

R6: [74.0, 45.6]

## Adjacency Matrix

0 1 1 0 1 1

1 0 0 1 0 1

1 0 0 0 0 0

0 1 0 0 1 1

1 0 0 1 0 1

1 1 0 1 1 0

# Simulation 29

## Agent Positions

R1: [20.4, 72.6]

R2: [38.1, 51.5]

R3: [35.3, 70.4]

R4: [58.0, 41.8]

R5: [25.1, 62.1]

R6: [62.3, 25.9]

## Adjacency Matrix

0 1 0 0 1 1

1 0 1 0 1 0

0 1 0 0 0 0

0 0 0 0 1 1

1 1 0 1 0 0

1 0 0 1 0 0

# Simulation 30

## Agent Positions

R1: [83.6, 7.4]

R2: [4.9, 95.4]

R3: [55.7, 26.8]

R4: [54.7, 85.2]

R5: [2.6, 21.8]

R6: [32.1, 37.4]

## Adjacency Matrix

0 1 1 0 1 1

1 0 1 1 1 1

1 1 0 1 1 1

0 1 1 0 1 1

1 1 1 1 0 1

1 1 1 1 1 0

# Simulation 31

## Agent Positions

R1: [68.1, 57.0]

R2: [31.1, 86.5]

R3: [83.9, 96.2]

R4: [85.0, 98.7]

R5: [77.6, 11.3]

R6: [15.3, 88.2]

## Adjacency Matrix

0 1 0 1 1 1

1 0 0 1 0 1

0 0 0 1 1 0

1 1 1 0 1 0

1 0 1 1 0 1

1 1 0 0 1 0

# Simulation 32

## Agent Positions

R1: [90.8, 69.2]

R2: [0.1, 74.6]

R3: [21.1, 82.6]

R4: [86.4, 34.8]

R5: [34.9, 41.8]

R6: [45.3, 89.3]

## Adjacency Matrix

0 1 0 1 1 1

1 0 0 1 0 1

0 0 0 1 1 1

1 1 1 0 1 1

1 0 1 1 0 0

1 1 1 1 0 0

# Simulation 33

## Agent Positions

R1: [10.9, 82.8]

R2: [76.5, 17.1]

R3: [14.5, 29.5]

R4: [5.1, 88.2]

R5: [38.1, 20.1]

R6: [8.2, 6.6]

## Adjacency Matrix

0 0 1 1 0 1

0 0 1 0 0 1

1 1 0 1 0 0

1 0 1 0 0 1

0 0 0 0 0 1

1 1 0 1 1 0

# Simulation 34

## Agent Positions

R1: [12.1, 55.7]

R2: [19.8, 50.5]

R3: [16.9, 49.4]

R4: [71.3, 87.7]

R5: [17.6, 82.7]

R6: [42.4, 21.8]

## Adjacency Matrix

0 0 1 0 0 1

0 0 0 0 1 0

1 0 0 1 1 0

0 0 1 0 0 1

0 1 1 0 0 0

1 0 0 1 0 0

# Simulation 35

## Agent Positions

R1: [39.3, 56.8]

R2: [47.6, 67.4]

R3: [33.7, 86.7]

R4: [71.3, 54.7]

R5: [27.7, 73.7]

R6: [66.2, 89.9]

## Adjacency Matrix

0 0 0 1 0 1

0 0 0 1 0 1

0 0 0 0 1 1

1 1 0 0 0 0

0 0 1 0 0 1

1 1 1 0 1 0

# Simulation 36

## Agent Positions

R1: [47.2, 68.1]

R2: [81.3, 39.6]

R3: [56.2, 93.7]

R4: [29.0, 34.6]

R5: [36.6, 27.7]

R6: [35.7, 82.2]

## Adjacency Matrix

0 1 0 1 1 1

1 0 0 0 0 1

0 0 0 0 1 0

1 0 0 0 1 0

1 0 1 1 0 0

1 1 0 0 0 0

# Simulation 37

## Agent Positions

R1: [99.6, 50.3]

R2: [93.5, 15.3]

R3: [63.1, 19.7]

R4: [95.4, 54.5]

R5: [41.9, 100.0]

R6: [88.0, 33.4]

## Adjacency Matrix

0 1 1 0 0 1

1 0 1 0 1 1

1 1 0 0 0 1

0 0 0 0 0 1

0 1 0 0 0 0

1 1 1 1 0 0

# Simulation 38

## Agent Positions

R1: [88.9, 54.0]

R2: [86.3, 63.4]

R3: [5.7, 67.8]

R4: [1.3, 87.1]

R5: [79.3, 0.8]

R6: [89.1, 44.3]

## Adjacency Matrix

0 1 1 1 0 0

1 0 0 1 1 1

1 0 0 0 0 0

1 1 0 0 1 0

0 1 0 1 0 1

0 1 0 0 1 0

# Simulation 39

## Agent Positions

R1: [67.3, 4.6]

R2: [86.4, 2.4]

R3: [2.6, 54.0]

R4: [96.1, 55.7]

R5: [23.8, 58.0]

R6: [59.8, 9.5]

## Adjacency Matrix

0 1 1 0 1 1

1 0 1 0 0 0

1 1 0 1 0 1

0 0 1 0 0 0

1 0 0 0 0 0

1 0 1 0 0 0

# Simulation 40

## Agent Positions

R1: [36.3, 71.0]

R2: [60.9, 97.7]

R3: [5.7, 57.4]

R4: [77.4, 1.4]

R5: [28.8, 61.1]

R6: [11.6, 70.1]

## Adjacency Matrix

0 0 1 0 0 1

0 0 0 1 0 1

1 0 0 0 1 1

0 1 0 0 1 1

0 0 1 1 0 1

1 1 1 1 1 0

# Simulation 41

## Agent Positions

R1: [16.8, 17.8]

R2: [22.6, 41.9]

R3: [7.3, 21.7]

R4: [81.1, 67.3]

R5: [52.2, 70.0]

R6: [6.8, 59.8]

## Adjacency Matrix

0 0 0 0 1 0

0 0 0 1 0 1

0 0 0 1 1 1

0 1 1 0 0 1

1 0 1 0 0 1

0 1 1 1 1 0

# Simulation 42

## Agent Positions

R1: [29.3, 18.2]

R2: [27.4, 84.9]

R3: [11.3, 67.9]

R4: [89.4, 68.7]

R5: [32.8, 2.9]

R6: [55.7, 78.8]

## Adjacency Matrix

0 0 1 1 0 1

0 0 0 1 0 1

1 0 0 1 0 1

1 1 1 0 1 0

0 0 0 1 0 0

1 1 1 0 0 0

# Simulation 43

## Agent Positions

R1: [53.7, 81.2]

R2: [23.7, 73.1]

R3: [29.7, 61.4]

R4: [88.2, 17.0]

R5: [56.6, 72.9]

R6: [90.0, 56.1]

## Adjacency Matrix

0 1 1 1 1 0

1 0 0 0 0 0

1 0 0 1 0 0

1 0 1 0 1 1

1 0 0 1 0 0

0 0 0 1 0 0

# Simulation 44

## Agent Positions

R1: [15.6, 20.0]

R2: [39.2, 35.4]

R3: [4.7, 58.0]

R4: [91.9, 80.5]

R5: [49.0, 57.9]

R6: [71.7, 86.5]

## Adjacency Matrix

0 0 0 1 0 1

0 0 1 0 1 1

0 1 0 0 1 1

1 0 0 0 1 0

0 1 1 1 0 1

1 1 1 0 1 0

# Simulation 45

## Agent Positions

R1: [44.6, 49.8]

R2: [36.6, 25.7]

R3: [37.4, 95.5]

R4: [30.7, 97.8]

R5: [71.4, 16.6]

R6: [56.5, 89.1]

## Adjacency Matrix

0 1 0 1 0 0

1 0 1 1 1 1

0 1 0 0 0 0

1 1 0 0 0 0

0 1 0 0 0 1

0 1 0 0 1 0

# Simulation 46

## Agent Positions

R1: [11.3, 86.0]

R2: [1.6, 18.5]

R3: [74.7, 61.5]

R4: [18.2, 93.7]

R5: [13.9, 34.0]

R6: [57.6, 83.1]

## Adjacency Matrix

0 0 0 1 1 1

0 0 0 1 0 0

0 0 0 0 1 1

1 1 0 0 1 1

1 0 1 1 0 0

1 0 1 1 0 0

# Simulation 47

## Agent Positions

R1: [26.1, 15.9]

R2: [52.2, 49.4]

R3: [42.8, 88.0]

R4: [53.2, 18.4]

R5: [48.1, 15.4]

R6: [9.3, 76.0]

## Adjacency Matrix

0 1 1 1 1 0

1 0 1 0 1 0

1 1 0 0 1 1

1 0 0 0 0 0

1 1 1 0 0 0

0 0 1 0 0 0

# Simulation 48

## Agent Positions

R1: [62.5, 22.9]

R2: [72.3, 81.4]

R3: [85.6, 47.0]

R4: [31.4, 83.6]

R5: [2.0, 61.0]

R6: [45.9, 24.7]

## Adjacency Matrix

0 1 0 1 0 1

1 0 1 0 1 1

0 1 0 0 1 1

1 0 0 0 1 0

0 1 1 1 0 0

1 1 1 0 0 0

# Simulation 49

## Agent Positions

R1: [16.0, 71.3]

R2: [15.1, 44.1]

R3: [22.7, 62.2]

R4: [50.5, 62.5]

R5: [81.6, 25.2]

R6: [48.9, 17.3]

## Adjacency Matrix

0 1 1 0 1 1

1 0 0 1 1 0

1 0 0 0 0 0

0 1 0 0 0 1

1 1 0 0 0 1

1 0 0 1 1 0

# Simulation 50

## Agent Positions

R1: [72.3, 10.8]

R2: [87.2, 22.5]

R3: [94.1, 10.6]

R4: [45.2, 99.7]

R5: [25.7, 66.4]

R6: [57.5, 79.7]

## Adjacency Matrix

0 0 1 0 0 1

0 0 1 1 0 1

1 1 0 0 1 1

0 1 0 0 0 0

0 0 1 0 0 1

1 1 1 0 1 0

# Simulation 51

## Agent Positions

R1: [42.9, 16.3]

R2: [81.7, 11.0]

R3: [94.4, 81.3]

R4: [68.0, 11.5]

R5: [78.5, 20.7]

R6: [5.6, 22.7]

## Adjacency Matrix

0 0 0 1 1 1

0 0 1 0 0 1

0 1 0 0 0 0

1 0 0 0 1 1

1 0 0 1 0 0

1 1 0 1 0 0

# Simulation 52

## Agent Positions

R1: [71.7, 56.3]

R2: [98.2, 51.6]

R3: [13.8, 59.3]

R4: [84.1, 40.4]

R5: [3.3, 71.3]

R6: [41.4, 94.9]

## Adjacency Matrix

0 0 0 0 1 1

0 0 0 0 0 0

0 0 0 0 1 0

0 0 0 0 0 1

1 0 1 0 0 1

1 0 0 1 1 0

# Simulation 53

## Agent Positions

R1: [36.5, 77.9]

R2: [57.0, 50.7]

R3: [67.1, 87.6]

R4: [36.1, 57.1]

R5: [39.6, 0.2]

R6: [33.7, 83.7]

## Adjacency Matrix

0 1 0 0 0 0

1 0 1 0 1 1

0 1 0 1 1 0

0 0 1 0 1 1

0 1 1 1 0 0

0 1 0 1 0 0

# Simulation 54

## Agent Positions

R1: [26.3, 88.7]

R2: [70.4, 55.1]

R3: [92.0, 99.8]

R4: [18.3, 24.8]

R5: [93.5, 55.5]

R6: [9.2, 76.2]

## Adjacency Matrix

0 1 1 1 1 0

1 0 0 1 1 0

1 0 0 1 1 1

1 1 1 0 0 1

1 1 1 0 0 0

0 0 1 1 0 0

# Simulation 55

## Agent Positions

R1: [68.3, 23.7]

R2: [19.6, 51.7]

R3: [95.0, 87.5]

R4: [18.7, 38.1]

R5: [34.8, 10.3]

R6: [27.7, 16.1]

## Adjacency Matrix

0 1 0 1 0 1

1 0 0 1 0 1

0 0 0 1 0 1

1 1 1 0 1 1

0 0 0 1 0 1

1 1 1 1 1 0

# Simulation 56

## Agent Positions

R1: [56.6, 6.9]

R2: [64.4, 77.5]

R3: [20.6, 82.1]

R4: [80.7, 99.8]

R5: [91.8, 93.5]

R6: [10.3, 77.2]

## Adjacency Matrix

0 1 0 1 0 1

1 0 1 1 1 1

0 1 0 1 0 0

1 1 1 0 1 0

0 1 0 1 0 1

1 1 0 0 1 0

# Simulation 57

## Agent Positions

R1: [13.8, 35.6]

R2: [50.5, 73.7]

R3: [56.8, 49.5]

R4: [20.1, 60.8]

R5: [82.0, 45.6]

R6: [46.4, 63.1]

## Adjacency Matrix

0 0 1 1 1 0

0 0 1 0 1 1

1 1 0 1 0 1

1 0 1 0 0 0

1 1 0 0 0 0

0 1 1 0 0 0

# Simulation 58

## Agent Positions

R1: [73.4, 44.9]

R2: [73.4, 82.8]

R3: [99.1, 56.7]

R4: [84.6, 27.4]

R5: [32.2, 62.4]

R6: [6.1, 90.3]

## Adjacency Matrix

0 1 0 0 1 1

1 0 0 0 1 1

0 0 0 1 1 1

0 0 1 0 0 1

1 1 1 0 0 1

1 1 1 1 1 0

# Simulation 59

## Agent Positions

R1: [29.4, 58.1]

R2: [89.8, 30.8]

R3: [48.5, 63.2]

R4: [78.6, 74.5]

R5: [12.4, 88.0]

R6: [59.7, 43.7]

## Adjacency Matrix

0 0 0 1 1 1

0 0 1 1 0 1

0 1 0 1 0 1

1 1 1 0 0 1

1 0 0 0 0 0

1 1 1 1 0 0

# Simulation 60

## Agent Positions

R1: [48.0, 76.4]

R2: [25.0, 12.0]

R3: [52.3, 85.6]

R4: [9.2, 44.1]

R5: [69.8, 55.6]

R6: [77.9, 27.9]

## Adjacency Matrix

0 1 0 1 0 0

1 0 1 0 1 1

0 1 0 1 0 0

1 0 1 0 0 1

0 1 0 0 0 1

0 1 0 1 1 0

# Simulation 61

## Agent Positions

R1: [26.7, 39.7]

R2: [85.7, 80.8]

R3: [75.2, 0.8]

R4: [19.7, 5.8]

R5: [2.5, 41.1]

R6: [36.6, 36.2]

## Adjacency Matrix

0 1 1 1 0 1

1 0 1 0 0 0

1 1 0 1 0 1

1 0 1 0 1 0

0 0 0 1 0 0

1 0 1 0 0 0

# Simulation 62

## Agent Positions

R1: [44.2, 58.0]

R2: [2.1, 43.7]

R3: [74.6, 47.2]

R4: [29.8, 73.1]

R5: [51.6, 18.7]

R6: [99.6, 60.6]

## Adjacency Matrix

0 1 0 1 0 0

1 0 1 1 1 0

0 1 0 1 0 1

1 1 1 0 1 0

0 1 0 1 0 0

0 0 1 0 0 0

# Simulation 63

## Agent Positions

R1: [26.8, 51.7]

R2: [42.7, 48.1]

R3: [25.5, 22.5]

R4: [51.8, 42.9]

R5: [45.3, 77.4]

R6: [49.3, 80.9]

## Adjacency Matrix

0 1 1 1 0 1

1 0 0 1 0 0

1 0 0 1 1 0

1 1 1 0 0 0

0 0 1 0 0 1

1 0 0 0 1 0

# Simulation 64

## Agent Positions

R1: [55.0, 71.7]

R2: [40.7, 48.5]

R3: [85.3, 46.1]

R4: [87.0, 90.0]

R5: [66.5, 13.4]

R6: [1.6, 49.9]

## Adjacency Matrix

0 0 0 1 1 1

0 0 0 0 1 0

0 0 0 1 0 1

1 0 1 0 1 1

1 1 0 1 0 1

1 0 1 1 1 0

# Simulation 65

## Agent Positions

R1: [37.2, 93.4]

R2: [21.9, 14.0]

R3: [26.2, 7.7]

R4: [16.8, 62.0]

R5: [63.1, 29.0]

R6: [38.3, 79.5]

## Adjacency Matrix

0 1 0 1 1 0

1 0 1 0 1 1

0 1 0 1 0 0

1 0 1 0 0 0

1 1 0 0 0 1

0 1 0 0 1 0

# Simulation 66

## Agent Positions

R1: [98.9, 43.7]

R2: [94.6, 12.1]

R3: [7.4, 27.8]

R4: [50.8, 50.5]

R5: [41.2, 38.1]

R6: [36.0, 91.5]

## Adjacency Matrix

0 1 1 0 1 1

1 0 1 0 1 1

1 1 0 1 0 1

0 0 1 0 1 0

1 1 0 1 0 0

1 1 1 0 0 0

# Simulation 67

## Agent Positions

R1: [13.4, 77.0]

R2: [22.1, 68.8]

R3: [93.5, 61.8]

R4: [28.7, 66.1]

R5: [75.7, 55.2]

R6: [65.1, 50.7]

## Adjacency Matrix

0 1 1 0 1 0

1 0 1 0 1 1

1 1 0 1 0 1

0 0 1 0 1 1

1 1 0 1 0 0

0 1 1 1 0 0

# Simulation 68

## Agent Positions

R1: [60.0, 72.6]

R2: [97.9, 11.3]

R3: [76.2, 92.5]

R4: [54.4, 24.2]

R5: [56.9, 93.2]

R6: [10.4, 71.8]

## Adjacency Matrix

0 0 1 1 1 1

0 0 0 1 0 1

1 0 0 1 1 1

1 1 1 0 0 0

1 0 1 0 0 1

1 1 1 0 1 0

# Simulation 69

## Agent Positions

R1: [81.0, 33.1]

R2: [28.2, 97.8]

R3: [55.4, 70.4]

R4: [70.1, 4.3]

R5: [39.0, 86.0]

R6: [38.5, 95.2]

## Adjacency Matrix

0 0 1 0 1 0

0 0 1 1 0 0

1 1 0 1 1 1

0 1 1 0 0 0

1 0 1 0 0 1

0 0 1 0 1 0

# Simulation 70

## Agent Positions

R1: [56.0, 34.4]

R2: [56.1, 63.5]

R3: [9.3, 41.8]

R4: [7.5, 21.4]

R5: [63.0, 18.0]

R6: [57.3, 43.1]

## Adjacency Matrix

0 1 0 1 1 0

1 0 0 1 0 1

0 0 0 0 1 0

1 1 0 0 0 1

1 0 1 0 0 1

0 1 0 1 1 0

# Simulation 71

## Agent Positions

R1: [99.5, 28.1]

R2: [34.4, 30.1]

R3: [20.9, 28.6]

R4: [3.9, 85.0]

R5: [62.4, 63.5]

R6: [37.8, 70.2]

## Adjacency Matrix

0 1 0 1 1 1

1 0 1 1 0 0

0 1 0 0 1 0

1 1 0 0 0 1

1 0 1 0 0 0

1 0 0 1 0 0

# Simulation 72

## Agent Positions

R1: [91.7, 15.0]

R2: [37.6, 99.4]

R3: [18.8, 74.8]

R4: [89.8, 27.7]

R5: [42.7, 9.4]

R6: [77.1, 83.1]

## Adjacency Matrix

0 0 1 1 0 0

0 0 1 0 1 1

1 1 0 1 0 1

1 0 1 0 1 0

0 1 0 1 0 1

0 1 1 0 1 0

# Simulation 73

## Agent Positions

R1: [52.2, 37.1]

R2: [51.7, 17.9]

R3: [41.5, 3.9]

R4: [96.9, 57.9]

R5: [59.8, 70.1]

R6: [95.9, 60.7]

## Adjacency Matrix

0 0 1 0 1 1

0 0 1 0 1 0

1 1 0 0 1 1

0 0 0 0 1 0

1 1 1 1 0 0

1 0 1 0 0 0

# Simulation 74

## Agent Positions

R1: [98.1, 97.1]

R2: [20.7, 59.9]

R3: [78.1, 80.1]

R4: [58.4, 35.6]

R5: [4.9, 93.0]

R6: [10.0, 45.7]

## Adjacency Matrix

0 0 1 0 1 0

0 0 1 1 0 1

1 1 0 1 0 1

0 1 1 0 0 1

1 0 0 0 0 0

0 1 1 1 0 0

# Simulation 75

## Agent Positions

R1: [85.8, 51.1]

R2: [3.4, 85.5]

R3: [36.3, 14.0]

R4: [31.4, 20.1]

R5: [63.0, 6.7]

R6: [13.4, 68.7]

## Adjacency Matrix

0 1 0 1 1 1

1 0 0 1 0 1

0 0 0 0 1 1

1 1 0 0 0 0

1 0 1 0 0 1

1 1 1 0 1 0

# Simulation 76

## Agent Positions

R1: [67.8, 86.6]

R2: [91.1, 68.8]

R3: [29.6, 21.9]

R4: [72.1, 3.7]

R5: [89.9, 70.1]

R6: [7.9, 36.5]

## Adjacency Matrix

0 0 1 1 0 0

0 0 0 1 1 1

1 0 0 0 0 1

1 1 0 0 1 0

0 1 0 1 0 0

0 1 1 0 0 0

# Simulation 77

## Agent Positions

R1: [35.8, 78.1]

R2: [65.2, 32.0]

R3: [67.3, 25.1]

R4: [26.5, 37.4]

R5: [52.8, 90.6]

R6: [23.1, 41.4]

## Adjacency Matrix

0 0 0 1 1 0

0 0 1 1 0 1

0 1 0 1 0 1

1 1 1 0 0 0

1 0 0 0 0 1

0 1 1 0 1 0

# Simulation 78

## Agent Positions

R1: [63.7, 62.2]

R2: [31.9, 91.8]

R3: [37.4, 27.9]

R4: [60.9, 13.3]

R5: [55.2, 64.1]

R6: [79.1, 16.7]

## Adjacency Matrix

0 0 1 0 1 0

0 0 1 1 0 1

1 1 0 0 0 0

0 1 0 0 1 1

1 0 0 1 0 0

0 1 0 1 0 0

# Simulation 79

## Agent Positions

R1: [90.4, 87.3]

R2: [26.5, 89.3]

R3: [66.0, 38.5]

R4: [36.3, 63.8]

R5: [69.0, 59.6]

R6: [8.5, 36.4]

## Adjacency Matrix

0 1 1 0 1 0

1 0 0 1 0 0

1 0 0 1 1 0

0 1 1 0 1 1

1 0 1 1 0 0

0 0 0 1 0 0

# Simulation 80

## Agent Positions

R1: [16.1, 68.3]

R2: [44.2, 64.4]

R3: [52.0, 3.1]

R4: [33.7, 64.7]

R5: [86.6, 11.1]

R6: [24.6, 68.9]

## Adjacency Matrix

0 0 0 1 1 1

0 0 1 1 0 1

0 1 0 1 0 1

1 1 1 0 1 0

1 0 0 1 0 1

1 1 1 0 1 0

# Simulation 81

## Agent Positions

R1: [88.9, 37.3]

R2: [74.9, 71.7]

R3: [68.5, 93.5]

R4: [51.6, 90.3]

R5: [81.8, 73.9]

R6: [39.1, 30.8]

## Adjacency Matrix

0 0 0 0 1 1

0 0 0 0 1 1

0 0 0 1 1 1

0 0 1 0 1 1

1 1 1 1 0 1

1 1 1 1 1 0

# Simulation 82

## Agent Positions

R1: [83.5, 3.6]

R2: [70.0, 1.1]

R3: [95.9, 34.7]

R4: [39.2, 79.3]

R5: [90.6, 41.3]

R6: [37.7, 69.2]

## Adjacency Matrix

0 0 0 0 1 0

0 0 0 0 1 1

0 0 0 1 1 1

0 0 1 0 0 1

1 1 1 0 0 0

0 1 1 1 0 0

# Simulation 83

## Agent Positions

R1: [75.7, 92.4]

R2: [60.1, 12.7]

R3: [72.4, 54.6]

R4: [23.6, 71.5]

R5: [60.2, 28.7]

R6: [43.8, 12.2]

## Adjacency Matrix

0 1 0 1 0 0

1 0 1 1 0 0

0 1 0 1 1 1

1 1 1 0 0 1

0 0 1 0 0 1

0 0 1 1 1 0

# Simulation 84

## Agent Positions

R1: [23.6, 0.2]

R2: [55.7, 87.1]

R3: [70.3, 86.2]

R4: [21.5, 38.8]

R5: [13.6, 54.4]

R6: [2.2, 83.4]

## Adjacency Matrix

0 1 0 1 0 0

1 0 1 0 1 1

0 1 0 1 0 1

1 0 1 0 0 1

0 1 0 0 0 0

0 1 1 1 0 0

# Simulation 85

## Agent Positions

R1: [89.3, 47.6]

R2: [35.8, 65.4]

R3: [68.6, 66.4]

R4: [22.6, 95.8]

R5: [77.5, 12.9]

R6: [34.7, 26.0]

## Adjacency Matrix

0 0 1 1 1 1

0 0 1 1 1 1

1 1 0 0 0 1

1 1 0 0 1 1

1 1 0 1 0 1

1 1 1 1 1 0

# Simulation 86

## Agent Positions

R1: [20.2, 8.1]

R2: [80.1, 33.1]

R3: [92.2, 65.5]

R4: [83.2, 99.2]

R5: [29.8, 54.9]

R6: [49.3, 53.1]

## Adjacency Matrix

0 1 0 0 0 1

1 0 0 0 0 0

0 0 0 1 0 1

0 0 1 0 1 0

0 0 0 1 0 1

1 0 1 0 1 0

# Simulation 87

## Agent Positions

R1: [98.7, 70.3]

R2: [73.4, 82.0]

R3: [67.6, 56.1]

R4: [20.9, 1.4]

R5: [45.6, 63.8]

R6: [3.4, 8.5]

## Adjacency Matrix

0 0 1 1 1 0

0 0 1 1 1 1

1 1 0 1 1 0

1 1 1 0 0 1

1 1 1 0 0 1

0 1 0 1 1 0

# Simulation 88

## Agent Positions

R1: [65.9, 64.4]

R2: [89.3, 29.0]

R3: [86.4, 15.2]

R4: [19.5, 36.1]

R5: [11.0, 58.4]

R6: [54.3, 21.3]

## Adjacency Matrix

0 1 0 1 1 1

1 0 1 0 1 0

0 1 0 1 0 1

1 0 1 0 1 1

1 1 0 1 0 1

1 0 1 1 1 0

# Simulation 89

## Agent Positions

R1: [29.1, 70.2]

R2: [70.5, 99.6]

R3: [60.8, 92.5]

R4: [59.7, 81.2]

R5: [43.1, 63.1]

R6: [62.8, 30.9]

## Adjacency Matrix

0 0 1 0 0 1

0 0 0 1 1 1

1 0 0 0 0 0

0 1 0 0 1 1

0 1 0 1 0 1

1 1 0 1 1 0

# Simulation 90

## Agent Positions

R1: [23.4, 41.2]

R2: [11.0, 59.1]

R3: [82.0, 77.0]

R4: [6.4, 33.8]

R5: [27.5, 10.8]

R6: [32.6, 32.3]

## Adjacency Matrix

0 1 1 0 0 1

1 0 1 0 1 0

1 1 0 1 1 1

0 0 1 0 0 1

0 1 1 0 0 1

1 0 1 1 1 0

# Simulation 91

## Agent Positions

R1: [95.2, 20.2]

R2: [40.6, 29.1]

R3: [66.1, 21.8]

R4: [19.5, 86.1]

R5: [72.6, 57.6]

R6: [91.5, 93.7]

## Adjacency Matrix

0 1 0 1 1 1

1 0 1 1 1 0

0 1 0 1 0 1

1 1 1 0 0 1

1 1 0 0 0 1

1 0 1 1 1 0

# Simulation 92

## Agent Positions

R1: [17.1, 18.6]

R2: [49.8, 42.0]

R3: [45.9, 65.2]

R4: [11.0, 95.4]

R5: [55.9, 25.6]

R6: [62.0, 30.7]

## Adjacency Matrix

0 0 1 0 1 1

0 0 1 1 1 0

1 1 0 0 0 0

0 1 0 0 1 1

1 1 0 1 0 1

1 0 0 1 1 0

# Simulation 93

## Agent Positions

R1: [67.2, 94.4]

R2: [96.0, 67.9]

R3: [68.1, 99.9]

R4: [97.2, 71.9]

R5: [8.1, 13.4]

R6: [11.2, 83.5]

## Adjacency Matrix

0 1 0 1 1 0

1 0 1 0 1 1

0 1 0 0 0 0

1 0 0 0 1 1

1 1 0 1 0 0

0 1 0 1 0 0

# Simulation 94

## Agent Positions

R1: [37.2, 63.6]

R2: [30.6, 82.4]

R3: [86.2, 23.0]

R4: [12.5, 20.6]

R5: [72.9, 45.6]

R6: [35.5, 91.8]

## Adjacency Matrix

0 0 0 1 0 1

0 0 0 0 1 0

0 0 0 0 1 1

1 0 0 0 0 1

0 1 1 0 0 0

1 0 1 1 0 0

# Simulation 95

## Agent Positions

R1: [84.4, 11.0]

R2: [93.9, 39.2]

R3: [31.8, 85.8]

R4: [15.7, 30.2]

R5: [66.4, 78.1]

R6: [42.9, 92.9]

## Adjacency Matrix

0 0 1 0 0 1

0 0 1 0 0 1

1 1 0 1 0 1

0 0 1 0 1 1

0 0 0 1 0 0

1 1 1 1 0 0

# Simulation 96

## Agent Positions

R1: [84.8, 35.9]

R2: [88.2, 41.7]

R3: [33.1, 73.2]

R4: [12.6, 42.9]

R5: [7.0, 39.7]

R6: [52.6, 70.0]

## Adjacency Matrix

0 0 1 0 1 0

0 0 1 0 1 0

1 1 0 1 1 1

0 0 1 0 0 0

1 1 1 0 0 0

0 0 1 0 0 0

# Simulation 97

## Agent Positions

R1: [82.9, 16.8]

R2: [5.4, 64.0]

R3: [88.5, 13.2]

R4: [69.1, 30.9]

R5: [94.9, 35.3]

R6: [65.5, 26.5]

## Adjacency Matrix

0 1 0 1 0 0

1 0 0 0 0 0

0 0 0 0 1 0

1 0 0 0 1 1

0 0 1 1 0 0

0 0 0 1 0 0

# Simulation 98

## Agent Positions

R1: [23.4, 34.5]

R2: [24.8, 58.8]

R3: [19.5, 17.6]

R4: [43.9, 19.9]

R5: [85.2, 11.9]

R6: [85.3, 20.9]

## Adjacency Matrix

0 1 1 0 1 0

1 0 1 1 0 1

1 1 0 1 1 0

0 1 1 0 1 1

1 0 1 1 0 0

0 1 0 1 0 0

# Simulation 99

## Agent Positions

R1: [21.8, 12.4]

R2: [7.0, 84.3]

R3: [11.0, 18.6]

R4: [50.0, 91.5]

R5: [61.2, 8.5]

R6: [49.9, 42.7]

## Adjacency Matrix

0 1 1 1 1 0

1 0 1 0 1 1

1 1 0 0 0 0

1 0 0 0 0 0

1 1 0 0 0 0

0 1 0 0 0 0

# Simulation 100

## Agent Positions

R1: [92.7, 92.9]

R2: [83.8, 79.9]

R3: [41.0, 89.0]

R4: [34.0, 34.6]

R5: [37.0, 54.9]

R6: [26.3, 51.8]

## Adjacency Matrix

0 1 0 1 1 0

1 0 0 1 0 0

0 0 0 1 0 0

1 1 1 0 0 0

1 0 0 0 0 0

0 0 0 0 0 0