# Simulation Parameters

## Number of Agents: 5

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 1 | 5 | R1: [22.7, 59.2] R2: [94.4, 37.5] R3: [30.6, 32.4] R4: [28.3, 94.0] R5: [11.8, 36.9] | 0 0 1 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 2 | 5 | R1: [78.4, 27.5] R2: [78.0, 0.6] R3: [53.6, 24.0] R4: [63.7, 82.7] R5: [19.0, 70.7] | 0 1 1 0 1 1 0 1 0 1 1 1 0 1 0 0 0 1 0 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 3 | 5 | R1: [88.3, 70.8] R2: [91.5, 49.3] R3: [30.0, 28.7] R4: [18.2, 19.4] R5: [85.3, 56.0] | 0 0 1 0 1 0 0 0 1 1 1 0 0 1 0 0 1 1 0 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 4 | 5 | R1: [96.4, 57.1] R2: [60.6, 47.8] R3: [4.2, 99.0] R4: [0.4, 36.2] R5: [30.4, 49.1] | 0 0 0 1 1 0 0 1 0 1 0 1 0 0 0 1 0 0 0 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 5 | 5 | R1: [74.5, 8.4] R2: [66.7, 54.8] R3: [83.2, 32.6] R4: [90.4, 20.7] R5: [48.2, 32.6] | 0 1 0 0 0 1 0 1 1 1 0 1 0 0 1 0 1 0 0 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 6 | 5 | R1: [82.8, 49.9] R2: [8.9, 82.0] R3: [24.2, 4.0] R4: [47.6, 1.5] R5: [79.6, 37.7] | 0 1 1 1 0 1 0 1 1 0 1 1 0 0 1 1 1 0 0 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 7 | 5 | R1: [41.6, 94.1] R2: [16.3, 64.9] R3: [18.6, 29.6] R4: [15.1, 75.6] R5: [12.4, 73.7] | 0 1 1 1 0 1 0 0 1 0 1 0 0 0 1 1 1 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 8 | 5 | R1: [88.5, 74.0] R2: [12.8, 87.0] R3: [68.1, 83.1] R4: [4.4, 30.1] R5: [9.1, 14.3] | 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 0 1 0 0 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 9 | 5 | R1: [52.5, 71.4] R2: [87.8, 12.9] R3: [24.5, 28.2] R4: [6.9, 35.9] R5: [75.5, 15.4] | 0 1 1 0 1 1 0 1 0 1 1 1 0 0 1 0 0 0 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 10 | 5 | R1: [2.3, 38.3] R2: [41.2, 85.4] R3: [32.6, 30.3] R4: [28.4, 6.8] R5: [16.4, 72.3] | 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 11 | 5 | R1: [77.5, 28.4] R2: [25.5, 14.1] R3: [24.1, 64.4] R4: [99.2, 79.3] R5: [50.2, 20.8] | 0 1 1 1 0 1 0 0 1 0 1 0 0 0 0 1 1 0 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 12 | 5 | R1: [41.1, 64.3] R2: [11.2, 6.7] R3: [47.1, 47.7] R4: [7.0, 95.8] R5: [31.2, 46.6] | 0 0 0 0 1 0 0 1 0 0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 13 | 5 | R1: [54.1, 42.1] R2: [20.3, 40.2] R3: [8.8, 31.5] R4: [5.6, 55.2] R5: [10.2, 58.4] | 0 1 1 0 1 1 0 1 1 1 1 1 0 1 1 0 1 1 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 14 | 5 | R1: [66.8, 59.3] R2: [90.1, 58.3] R3: [18.5, 66.9] R4: [1.4, 46.3] R5: [28.7, 9.2] | 0 0 1 1 0 0 0 0 0 1 1 0 0 1 0 1 0 1 0 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 15 | 5 | R1: [16.8, 13.8] R2: [65.2, 35.4] R3: [91.6, 80.7] R4: [24.9, 46.3] R5: [63.5, 61.6] | 0 1 0 1 0 1 0 1 1 1 0 1 0 0 1 1 1 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 16 | 5 | R1: [16.9, 73.2] R2: [73.5, 14.7] R3: [90.3, 95.9] R4: [35.0, 57.5] R5: [74.8, 71.6] | 0 1 0 0 1 1 0 1 1 1 0 1 0 0 1 0 1 0 0 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 17 | 5 | R1: [11.7, 71.4] R2: [0.8, 57.6] R3: [6.3, 62.2] R4: [72.8, 49.1] R5: [19.0, 6.4] | 0 0 1 1 1 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 18 | 5 | R1: [54.3, 60.6] R2: [57.2, 91.9] R3: [63.9, 9.7] R4: [21.8, 54.5] R5: [86.9, 27.6] | 0 0 1 1 0 0 0 0 1 0 1 0 0 0 0 1 1 0 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 19 | 5 | R1: [82.5, 4.7] R2: [45.9, 66.0] R3: [77.2, 85.2] R4: [74.2, 56.4] R5: [58.3, 87.4] | 0 0 0 1 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 20 | 5 | R1: [1.6, 44.0] R2: [63.1, 38.5] R3: [12.6, 69.8] R4: [29.0, 5.7] R5: [69.7, 15.5] | 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 1 0 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 21 | 5 | R1: [42.3, 92.8] R2: [76.8, 54.2] R3: [73.4, 32.2] R4: [16.5, 34.6] R5: [51.2, 52.6] | 0 1 1 0 1 1 0 1 0 1 1 1 0 0 0 0 0 0 0 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 22 | 5 | R1: [12.7, 70.8] R2: [66.1, 30.5] R3: [47.0, 31.7] R4: [55.3, 98.2] R5: [9.8, 55.8] | 0 1 1 0 0 1 0 1 1 0 1 1 0 1 0 0 1 1 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 23 | 5 | R1: [35.8, 41.3] R2: [38.3, 24.6] R3: [64.8, 69.6] R4: [72.6, 95.8] R5: [8.4, 14.5] | 0 0 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 24 | 5 | R1: [47.7, 36.6] R2: [72.3, 92.1] R3: [43.9, 35.4] R4: [4.7, 83.5] R5: [46.4, 39.2] | 0 0 1 0 0 0 0 1 0 0 1 1 0 1 0 0 0 1 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 25 | 5 | R1: [79.9, 41.3] R2: [28.7, 17.6] R3: [23.0, 0.0] R4: [90.1, 16.0] R5: [74.4, 44.3] | 0 0 0 1 0 0 0 0 1 1 0 0 0 1 1 1 1 1 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 26 | 5 | R1: [66.5, 14.6] R2: [43.4, 35.9] R3: [42.2, 37.5] R4: [58.1, 55.4] R5: [89.7, 70.4] | 0 0 0 1 0 0 0 1 1 1 0 1 0 0 1 1 1 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 27 | 5 | R1: [9.1, 12.3] R2: [88.0, 35.6] R3: [1.6, 59.7] R4: [45.0, 7.7] R5: [23.9, 64.3] | 0 0 1 1 0 0 0 0 0 1 1 0 0 1 0 1 0 1 0 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 28 | 5 | R1: [66.2, 76.1] R2: [61.0, 16.1] R3: [35.8, 90.5] R4: [72.3, 96.1] R5: [98.2, 8.3] | 0 1 0 1 1 1 0 1 1 0 0 1 0 0 1 1 1 0 0 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 29 | 5 | R1: [20.4, 20.9] R2: [5.4, 7.8] R3: [7.3, 40.1] R4: [37.6, 2.9] R5: [17.9, 12.0] | 0 1 1 1 0 1 0 1 0 0 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 30 | 5 | R1: [98.9, 55.7] R2: [15.6, 16.5] R3: [69.5, 13.1] R4: [41.7, 75.5] R5: [81.4, 4.9] | 0 0 1 1 0 0 0 0 0 1 1 0 0 1 1 1 0 1 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 31 | 5 | R1: [69.2, 76.9] R2: [12.7, 87.1] R3: [49.3, 50.6] R4: [58.2, 61.5] R5: [8.6, 58.4] | 0 0 1 0 1 0 0 0 1 0 1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 32 | 5 | R1: [57.5, 84.4] R2: [7.7, 94.1] R3: [76.5, 38.4] R4: [39.5, 43.8] R5: [42.8, 96.1] | 0 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 1 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 33 | 5 | R1: [52.0, 19.1] R2: [63.9, 10.2] R3: [8.8, 59.8] R4: [66.2, 28.4] R5: [50.6, 3.3] | 0 1 0 1 0 1 0 1 1 1 0 1 0 0 0 1 1 0 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 34 | 5 | R1: [33.3, 53.1] R2: [57.1, 50.8] R3: [16.0, 6.2] R4: [21.2, 38.1] R5: [5.7, 62.1] | 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 35 | 5 | R1: [60.5, 77.8] R2: [94.2, 30.9] R3: [22.2, 16.7] R4: [4.5, 46.1] R5: [96.8, 95.6] | 0 0 1 1 1 0 0 1 1 0 1 1 0 1 0 1 1 1 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 36 | 5 | R1: [29.8, 91.0] R2: [59.1, 83.3] R3: [20.1, 81.6] R4: [82.6, 38.8] R5: [16.9, 80.5] | 0 0 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 37 | 5 | R1: [0.8, 86.7] R2: [10.3, 17.2] R3: [82.1, 7.3] R4: [97.8, 72.1] R5: [44.8, 64.3] | 0 0 0 0 1 0 0 0 1 0 0 0 0 1 1 0 1 1 0 0 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 38 | 5 | R1: [98.8, 67.0] R2: [36.9, 55.0] R3: [36.4, 78.9] R4: [65.0, 54.7] R5: [74.7, 33.5] | 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 39 | 5 | R1: [12.3, 86.0] R2: [35.4, 18.7] R3: [5.5, 98.9] R4: [65.4, 98.0] R5: [95.8, 11.3] | 0 0 0 0 1 0 0 1 1 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 40 | 5 | R1: [11.2, 7.7] R2: [15.1, 70.0] R3: [68.8, 24.9] R4: [63.6, 67.2] R5: [64.3, 35.6] | 0 1 1 0 1 1 0 0 0 0 1 0 0 1 0 0 0 1 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 41 | 5 | R1: [36.8, 31.7] R2: [99.0, 99.3] R3: [55.1, 74.9] R4: [21.2, 57.0] R5: [97.2, 72.0] | 0 0 1 1 1 0 0 0 0 1 1 0 0 1 1 1 0 1 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 42 | 5 | R1: [69.6, 74.5] R2: [63.5, 24.2] R3: [68.4, 50.6] R4: [56.0, 42.9] R5: [36.9, 63.6] | 0 1 1 1 0 1 0 0 0 1 1 0 0 1 0 1 0 1 0 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 43 | 5 | R1: [2.8, 58.2] R2: [4.2, 70.2] R3: [0.2, 22.4] R4: [31.2, 7.0] R5: [82.2, 85.2] | 0 0 1 0 1 0 0 1 0 1 1 1 0 0 0 0 0 0 0 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 44 | 5 | R1: [92.2, 72.0] R2: [75.8, 65.8] R3: [7.2, 43.0] R4: [93.8, 21.6] R5: [46.5, 0.9] | 0 0 1 0 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 45 | 5 | R1: [53.5, 26.2] R2: [6.1, 96.2] R3: [91.4, 22.7] R4: [94.3, 42.2] R5: [92.6, 74.5] | 0 0 0 1 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 46 | 5 | R1: [10.9, 85.4] R2: [64.9, 100.0] R3: [65.5, 59.4] R4: [56.1, 81.3] R5: [59.8, 74.2] | 0 1 0 0 1 1 0 1 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 47 | 5 | R1: [66.2, 49.5] R2: [48.1, 85.2] R3: [49.9, 20.4] R4: [51.0, 77.7] R5: [94.5, 88.9] | 0 1 0 1 1 1 0 1 1 1 0 1 0 1 0 1 1 1 0 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 48 | 5 | R1: [66.7, 49.2] R2: [53.4, 98.0] R3: [52.9, 90.1] R4: [92.4, 76.2] R5: [25.3, 66.4] | 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 49 | 5 | R1: [96.0, 26.5] R2: [54.5, 33.1] R3: [78.9, 27.0] R4: [70.3, 36.2] R5: [53.5, 11.8] | 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 1 0 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 50 | 5 | R1: [95.9, 6.2] R2: [11.9, 8.1] R3: [31.6, 11.7] R4: [43.0, 1.8] R5: [40.9, 65.2] | 0 0 0 1 0 0 0 1 1 0 0 1 0 1 0 1 1 1 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

## Number of Agents: 6

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 1 | 6 | R1: [93.3, 17.1] R2: [50.6, 41.0] R3: [27.3, 30.5] R4: [51.5, 53.0] R5: [19.1, 19.1] R6: [75.2, 0.7] | 0 0 0 1 0 0 0 0 1 0 1 1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 0 0 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 2 | 6 | R1: [22.8, 10.4] R2: [47.0, 24.7] R3: [75.0, 48.5] R4: [2.2, 69.3] R5: [55.5, 94.4] R6: [27.8, 23.4] | 0 1 0 0 0 1 1 0 0 1 0 0 0 0 0 1 1 1 0 1 1 0 1 0 0 0 1 1 0 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 3 | 6 | R1: [19.7, 96.9] R2: [0.4, 56.1] R3: [87.2, 22.2] R4: [48.2, 52.9] R5: [68.7, 39.7] R6: [7.8, 47.9] | 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 0 0 0 1 0 1 0 0 0 1 1 0 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 4 | 6 | R1: [43.9, 50.2] R2: [3.6, 14.7] R3: [12.7, 86.3] R4: [99.2, 79.5] R5: [11.2, 29.3] R6: [32.4, 63.3] | 0 0 1 0 0 0 0 0 1 1 1 1 1 1 0 0 1 0 0 1 0 0 0 1 0 1 1 0 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 5 | 6 | R1: [9.1, 20.9] R2: [7.8, 66.9] R3: [43.3, 49.5] R4: [77.0, 0.6] R5: [9.5, 39.9] R6: [17.0, 93.7] | 0 1 0 0 1 0 1 0 1 1 0 0 0 1 0 1 0 1 0 1 1 0 0 0 1 0 0 0 0 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 6 | 6 | R1: [53.0, 25.1] R2: [37.2, 33.2] R3: [52.8, 26.9] R4: [53.4, 89.5] R5: [80.7, 88.6] R6: [81.5, 53.8] | 0 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 7 | 6 | R1: [38.1, 39.0] R2: [96.2, 65.5] R3: [55.3, 48.3] R4: [19.8, 66.1] R5: [35.7, 63.2] R6: [59.1, 56.7] | 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 1 1 1 1 0 1 0 1 0 0 0 1 1 0 0 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 8 | 6 | R1: [56.8, 4.5] R2: [11.6, 12.0] R3: [42.2, 71.7] R4: [98.7, 99.3] R5: [47.3, 75.6] R6: [25.2, 89.5] | 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 9 | 6 | R1: [34.7, 75.9] R2: [92.8, 29.5] R3: [81.7, 28.3] R4: [50.6, 19.8] R5: [11.9, 85.0] R6: [52.4, 37.7] | 0 1 1 0 0 1 1 0 1 1 0 1 1 1 0 1 1 0 0 1 1 0 0 1 0 0 1 0 0 0 1 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 10 | 6 | R1: [73.4, 81.3] R2: [59.4, 79.0] R3: [79.6, 28.8] R4: [45.7, 8.9] R5: [79.4, 96.4] R6: [13.1, 34.9] | 0 1 0 0 1 1 1 0 0 0 0 1 0 0 0 1 1 0 0 0 1 0 1 0 1 0 1 1 0 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 11 | 6 | R1: [66.6, 93.4] R2: [45.1, 33.2] R3: [10.2, 3.6] R4: [43.5, 26.6] R5: [9.2, 46.8] R6: [82.7, 36.8] | 0 1 0 1 0 0 1 0 1 1 0 0 0 1 0 1 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 12 | 6 | R1: [44.0, 91.3] R2: [28.5, 28.0] R3: [10.4, 84.8] R4: [60.4, 27.1] R5: [87.3, 20.7] R6: [44.1, 34.5] | 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 1 1 0 1 1 1 0 0 1 1 1 1 0 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 13 | 6 | R1: [6.6, 25.3] R2: [89.8, 18.7] R3: [24.7, 8.5] R4: [2.4, 3.3] R5: [85.9, 38.5] R6: [9.1, 76.8] | 0 0 0 0 1 0 0 0 1 0 1 0 0 1 0 1 1 0 0 0 1 0 1 0 1 1 1 1 0 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 14 | 6 | R1: [78.8, 47.9] R2: [94.3, 79.4] R3: [33.1, 31.7] R4: [74.9, 18.8] R5: [14.9, 3.6] R6: [86.5, 92.4] | 0 0 0 1 1 1 0 0 1 0 1 1 0 1 0 0 1 1 1 0 0 0 1 0 1 1 1 1 0 0 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 15 | 6 | R1: [21.1, 27.0] R2: [18.7, 31.9] R3: [75.4, 35.0] R4: [51.0, 56.8] R5: [74.4, 55.8] R6: [50.7, 74.5] | 0 0 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 1 1 0 0 1 0 1 1 0 1 0 1 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 16 | 6 | R1: [2.6, 93.1] R2: [39.1, 24.7] R3: [5.3, 22.1] R4: [56.2, 16.0] R5: [30.9, 29.9] R6: [78.2, 28.2] | 0 0 0 0 0 0 0 0 1 1 0 0 0 1 0 0 0 1 0 1 0 0 1 1 0 0 0 1 0 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 17 | 6 | R1: [48.2, 22.0] R2: [57.0, 31.0] R3: [23.9, 98.7] R4: [84.4, 92.0] R5: [27.6, 57.6] R6: [90.1, 29.4] | 0 0 0 1 0 1 0 0 0 1 1 0 0 0 0 0 0 1 1 1 0 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 18 | 6 | R1: [33.0, 71.6] R2: [64.9, 72.1] R3: [82.2, 40.1] R4: [25.3, 49.2] R5: [19.4, 56.4] R6: [49.5, 97.0] | 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 1 1 1 1 0 1 0 0 1 0 0 1 0 0 1 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 19 | 6 | R1: [33.3, 82.3] R2: [69.0, 2.9] R3: [44.5, 84.4] R4: [87.5, 9.9] R5: [13.2, 40.1] R6: [34.4, 48.1] | 0 1 1 0 1 0 1 0 1 1 1 1 1 1 0 0 1 0 0 1 0 0 0 0 1 1 1 0 0 1 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 20 | 6 | R1: [7.9, 36.3] R2: [80.9, 49.2] R3: [79.2, 25.0] R4: [16.6, 78.1] R5: [76.8, 69.7] R6: [52.9, 51.0] | 0 0 1 0 0 0 0 0 1 0 0 0 1 1 0 1 1 1 0 0 1 0 1 1 0 0 1 1 0 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 21 | 6 | R1: [71.6, 95.1] R2: [78.7, 92.2] R3: [58.3, 67.6] R4: [23.3, 27.1] R5: [90.5, 0.2] R6: [51.5, 15.2] | 0 1 1 1 1 0 1 0 1 0 0 1 1 1 0 0 1 0 1 0 0 0 0 1 1 0 1 0 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 22 | 6 | R1: [15.1, 53.7] R2: [41.0, 96.3] R3: [51.6, 38.5] R4: [99.7, 72.0] R5: [34.1, 1.8] R6: [26.5, 18.0] | 0 0 1 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 23 | 6 | R1: [48.4, 8.8] R2: [8.0, 7.1] R3: [0.6, 90.3] R4: [76.3, 69.3] R5: [8.8, 82.6] R6: [64.6, 80.6] | 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 24 | 6 | R1: [1.1, 22.0] R2: [92.5, 49.2] R3: [64.8, 42.7] R4: [64.7, 79.3] R5: [29.9, 31.9] R6: [47.2, 84.8] | 0 0 0 1 0 0 0 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 0 0 0 1 0 0 0 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 25 | 6 | R1: [10.0, 97.6] R2: [35.9, 72.5] R3: [35.7, 45.3] R4: [63.5, 34.0] R5: [79.5, 16.5] R6: [72.1, 35.4] | 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 1 1 0 0 1 1 0 0 0 1 1 1 0 0 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 26 | 6 | R1: [53.3, 32.9] R2: [1.9, 91.5] R3: [52.8, 26.5] R4: [62.8, 62.8] R5: [23.7, 22.8] R6: [5.0, 82.7] | 0 0 0 0 1 0 0 0 0 1 1 1 0 0 0 0 1 0 0 1 0 0 1 0 1 1 1 1 0 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 27 | 6 | R1: [2.3, 61.3] R2: [3.3, 12.7] R3: [70.4, 32.8] R4: [18.8, 82.5] R5: [93.6, 64.2] R6: [19.5, 31.4] | 0 0 0 0 1 1 0 0 0 1 0 1 0 0 0 1 1 0 0 1 1 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 28 | 6 | R1: [60.4, 1.1] R2: [69.6, 18.7] R3: [80.3, 74.8] R4: [63.4, 88.4] R5: [85.9, 54.1] R6: [39.2, 19.4] | 0 0 1 0 1 1 0 0 1 1 1 0 1 1 0 0 1 0 0 1 0 0 0 1 1 1 1 0 0 1 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 29 | 6 | R1: [3.0, 22.7] R2: [27.0, 66.0] R3: [44.1, 37.5] R4: [78.5, 86.8] R5: [49.6, 24.8] R6: [19.9, 22.8] | 0 0 1 0 0 0 0 0 1 0 1 0 1 1 0 0 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 30 | 6 | R1: [51.4, 25.2] R2: [19.9, 94.2] R3: [65.1, 61.4] R4: [0.4, 65.0] R5: [53.8, 74.2] R6: [57.8, 75.8] | 0 0 1 0 0 1 0 0 0 0 1 1 1 0 0 0 0 1 0 0 0 0 0 1 0 1 0 0 0 0 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 31 | 6 | R1: [62.5, 74.8] R2: [57.2, 15.0] R3: [77.9, 69.1] R4: [7.0, 9.7] R5: [41.7, 79.4] R6: [37.3, 73.6] | 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0 1 0 0 0 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 32 | 6 | R1: [12.4, 79.4] R2: [22.6, 98.9] R3: [27.1, 66.9] R4: [68.7, 73.6] R5: [47.7, 72.9] R6: [65.5, 46.2] | 0 0 1 1 1 0 0 0 1 1 1 0 1 1 0 0 1 1 1 1 0 0 0 1 1 1 1 0 0 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 33 | 6 | R1: [76.1, 88.9] R2: [18.3, 94.3] R3: [26.5, 90.6] R4: [46.8, 87.7] R5: [32.2, 40.7] R6: [44.1, 25.3] | 0 0 0 1 0 1 0 0 0 0 1 1 0 0 0 1 0 0 1 0 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 34 | 6 | R1: [20.6, 55.9] R2: [6.8, 96.6] R3: [99.8, 96.2] R4: [19.2, 83.7] R5: [98.1, 33.4] R6: [94.5, 44.8] | 0 1 0 1 1 1 1 0 1 1 1 0 0 1 0 0 1 1 1 1 0 0 1 0 1 1 1 1 0 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 35 | 6 | R1: [5.6, 1.0] R2: [62.9, 70.0] R3: [3.2, 52.4] R4: [91.6, 53.5] R5: [60.3, 45.1] R6: [54.3, 66.4] | 0 0 0 0 1 0 0 0 1 1 1 1 0 1 0 1 0 0 0 1 1 0 1 1 1 1 0 1 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 36 | 6 | R1: [71.9, 14.1] R2: [13.5, 93.9] R3: [52.9, 92.9] R4: [37.4, 7.9] R5: [6.4, 40.5] R6: [25.9, 62.2] | 0 1 1 0 0 1 1 0 0 1 1 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 0 1 0 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 37 | 6 | R1: [58.0, 92.2] R2: [64.5, 27.0] R3: [81.3, 85.7] R4: [12.0, 49.8] R5: [87.6, 10.0] R6: [93.6, 1.6] | 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 38 | 6 | R1: [60.9, 93.4] R2: [89.0, 34.5] R3: [70.7, 26.5] R4: [14.0, 34.0] R5: [50.6, 84.3] R6: [63.7, 64.9] | 0 1 0 0 0 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 0 0 0 1 0 0 1 0 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 39 | 6 | R1: [22.6, 63.5] R2: [33.0, 55.1] R3: [97.8, 6.5] R4: [39.2, 63.2] R5: [63.5, 54.2] R6: [29.4, 80.6] | 0 0 1 1 1 0 0 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 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 40 | 6 | R1: [71.0, 13.6] R2: [68.0, 71.3] R3: [41.2, 75.1] R4: [18.3, 55.0] R5: [73.7, 96.3] R6: [54.9, 72.3] | 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 1 0 1 0 1 0 0 1 0 1 1 0 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 41 | 6 | R1: [52.6, 99.9] R2: [3.4, 17.6] R3: [34.5, 86.2] R4: [94.6, 5.1] R5: [52.4, 85.2] R6: [2.4, 27.8] | 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 1 0 1 1 0 1 0 1 0 0 0 0 1 0 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 42 | 6 | R1: [70.3, 64.1] R2: [44.9, 25.4] R3: [47.9, 16.0] R4: [51.1, 37.7] R5: [92.1, 50.3] R6: [8.1, 39.5] | 0 1 0 1 1 0 1 0 1 0 1 0 0 1 0 0 0 1 1 0 0 0 1 1 1 1 0 1 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 43 | 6 | R1: [13.9, 39.3] R2: [54.8, 17.6] R3: [84.9, 35.7] R4: [31.7, 16.1] R5: [84.2, 41.8] R6: [47.9, 35.7] | 0 0 1 1 0 1 0 0 0 1 1 1 1 0 0 1 1 0 1 1 1 0 0 0 0 1 1 0 0 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 44 | 6 | R1: [32.0, 14.9] R2: [53.3, 8.9] R3: [61.7, 10.5] R4: [28.9, 64.0] R5: [85.1, 15.4] R6: [82.0, 70.3] | 0 1 1 0 0 0 1 0 1 0 1 0 1 1 0 0 1 1 0 0 0 0 0 1 0 1 1 0 0 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 45 | 6 | R1: [32.9, 25.1] R2: [62.7, 19.7] R3: [32.3, 5.9] R4: [5.3, 92.6] R5: [48.7, 95.8] R6: [89.1, 94.3] | 0 1 1 0 0 1 1 0 0 1 1 1 1 0 0 0 1 1 0 1 0 0 0 0 0 1 1 0 0 0 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 46 | 6 | R1: [10.1, 2.0] R2: [95.2, 38.7] R3: [23.5, 68.0] R4: [1.1, 32.8] R5: [66.8, 19.9] R6: [10.3, 0.1] | 0 0 1 0 1 1 0 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 0 1 1 0 1 0 0 1 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 47 | 6 | R1: [55.4, 17.5] R2: [27.3, 66.4] R3: [41.5, 75.0] R4: [94.4, 72.5] R5: [94.7, 10.3] R6: [64.3, 35.0] | 0 1 1 0 0 1 1 0 0 1 1 0 1 0 0 0 0 0 0 1 0 0 1 1 0 1 0 1 0 0 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 48 | 6 | R1: [15.1, 2.9] R2: [77.5, 53.0] R3: [35.5, 94.9] R4: [43.6, 1.8] R5: [46.3, 58.0] R6: [34.2, 88.7] | 0 1 1 1 1 1 1 0 1 1 1 0 1 1 0 0 0 1 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 49 | 6 | R1: [7.7, 82.5] R2: [39.8, 84.9] R3: [33.8, 60.0] R4: [15.1, 25.2] R5: [31.8, 38.8] R6: [72.1, 47.0] | 0 0 1 0 1 0 0 0 1 0 0 0 1 1 0 1 1 0 0 0 1 0 0 1 1 0 1 0 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 50 | 6 | R1: [76.2, 16.0] R2: [38.8, 40.7] R3: [2.9, 34.8] R4: [24.9, 66.9] R5: [33.8, 39.7] R6: [64.3, 60.2] | 0 0 1 0 1 0 0 0 0 1 1 1 1 0 0 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

## Number of Agents: 7

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 1 | 7 | R1: [20.9, 32.4] R2: [35.7, 56.9] R3: [23.7, 48.7] R4: [22.7, 87.5] R5: [32.6, 99.2] R6: [67.8, 49.8] R7: [30.9, 88.8] | 0 0 1 0 1 1 0 0 0 1 0 1 1 0 1 1 0 0 0 0 0 0 0 0 0 1 1 1 1 1 0 1 0 1 1 1 1 0 1 1 0 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 2 | 7 | R1: [16.4, 12.9] R2: [29.6, 49.7] R3: [31.5, 15.2] R4: [76.8, 39.1] R5: [71.7, 48.5] R6: [43.3, 21.4] R7: [23.4, 26.2] | 0 1 1 1 0 1 1 1 0 1 0 1 0 0 1 1 0 1 1 1 1 1 0 1 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 3 | 7 | R1: [83.6, 21.9] R2: [24.2, 96.4] R3: [0.1, 15.3] R4: [35.1, 54.5] R5: [24.7, 60.9] R6: [42.0, 17.4] R7: [24.7, 3.9] | 0 0 1 1 1 1 0 0 0 1 1 0 1 0 1 1 0 1 1 1 1 1 1 1 0 0 1 1 1 0 1 0 0 1 1 1 1 1 1 1 0 0 0 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 4 | 7 | R1: [37.5, 38.5] R2: [31.6, 31.6] R3: [39.6, 14.9] R4: [82.7, 73.1] R5: [42.7, 31.1] R6: [72.2, 3.8] R7: [90.2, 86.5] | 0 0 1 0 1 0 0 0 0 1 1 0 0 1 1 1 0 0 0 1 1 0 1 0 0 0 1 1 1 0 0 0 0 0 1 0 0 1 1 0 0 0 0 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 5 | 7 | R1: [47.5, 62.8] R2: [38.5, 4.3] R3: [0.6, 21.7] R4: [2.0, 79.0] R5: [78.7, 20.8] R6: [21.7, 19.0] R7: [3.8, 69.8] | 0 0 1 1 1 1 1 0 0 0 1 0 1 0 1 0 0 1 0 1 0 1 1 1 0 0 0 1 1 0 0 0 0 1 0 1 1 1 0 1 0 0 1 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 6 | 7 | R1: [73.2, 61.4] R2: [64.2, 7.1] R3: [34.9, 67.5] R4: [50.6, 94.5] R5: [53.7, 92.9] R6: [67.6, 0.3] R7: [14.9, 27.5] | 0 1 0 0 1 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 1 0 0 0 0 0 0 1 1 0 1 0 0 1 1 0 1 1 0 1 0 1 1 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 7 | 7 | R1: [83.0, 65.0] R2: [15.5, 27.9] R3: [97.0, 1.3] R4: [35.2, 54.5] R5: [69.2, 4.2] R6: [10.1, 67.7] R7: [65.9, 22.1] | 0 1 1 1 1 0 1 1 0 0 0 0 0 0 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1 0 1 1 0 1 1 0 0 1 1 1 0 1 1 0 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 8 | 7 | R1: [89.4, 72.3] R2: [22.9, 50.1] R3: [75.5, 94.7] R4: [2.1, 57.5] R5: [59.4, 25.6] R6: [86.9, 81.8] R7: [14.7, 75.3] | 0 0 0 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 1 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 9 | 7 | R1: [35.6, 50.1] R2: [79.8, 2.0] R3: [75.5, 9.0] R4: [29.3, 89.7] R5: [13.0, 36.6] R6: [43.0, 85.3] R7: [33.5, 5.9] | 0 1 0 0 1 0 0 1 0 1 1 0 0 1 0 1 0 0 0 1 0 0 1 0 0 1 1 0 1 0 0 1 0 1 0 0 0 1 1 1 0 0 0 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 10 | 7 | R1: [6.0, 99.0] R2: [61.5, 72.1] R3: [82.0, 64.2] R4: [92.5, 35.1] R5: [35.6, 65.6] R6: [82.8, 4.7] R7: [89.3, 40.7] | 0 1 1 1 0 1 1 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 0 1 1 1 1 1 0 0 1 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 11 | 7 | R1: [15.3, 89.7] R2: [22.8, 6.8] R3: [13.5, 3.2] R4: [49.9, 99.5] R5: [6.7, 31.4] R6: [33.9, 32.1] R7: [63.5, 4.4] | 0 0 1 1 1 0 1 0 0 1 0 0 0 1 1 1 0 0 0 1 0 1 0 0 0 1 1 1 1 0 0 1 0 1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 12 | 7 | R1: [99.2, 42.2] R2: [28.2, 11.6] R3: [70.4, 49.3] R4: [55.0, 59.8] R5: [89.0, 47.9] R6: [3.8, 52.4] R7: [94.3, 87.4] | 0 1 0 0 1 0 0 1 0 1 1 1 0 0 0 1 0 0 0 0 1 0 1 0 0 1 0 0 1 1 0 1 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 13 | 7 | R1: [34.7, 46.4] R2: [85.2, 0.5] R3: [50.6, 58.3] R4: [15.5, 45.0] R5: [64.7, 80.6] R6: [37.9, 66.6] R7: [37.1, 8.9] | 0 1 0 1 1 0 1 1 0 0 1 1 0 0 0 0 0 0 1 0 1 1 1 0 0 1 1 0 1 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 14 | 7 | R1: [26.3, 13.0] R2: [30.9, 22.8] R3: [20.8, 76.5] R4: [49.3, 35.7] R5: [93.7, 17.4] R6: [40.6, 48.4] R7: [51.5, 36.6] | 0 1 0 1 0 0 1 1 0 1 1 0 0 0 0 1 0 1 1 1 1 1 1 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 0 1 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 15 | 7 | R1: [64.5, 92.6] R2: [65.1, 16.3] R3: [60.0, 61.4] R4: [48.1, 99.6] R5: [93.7, 48.3] R6: [14.3, 33.3] R7: [1.8, 77.9] | 0 0 1 1 0 0 1 0 0 1 1 1 0 0 1 1 0 0 0 0 1 1 1 0 0 1 0 0 0 1 0 1 0 1 1 0 0 0 0 1 0 0 1 0 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 16 | 7 | R1: [68.1, 54.9] R2: [75.0, 22.9] R3: [64.0, 19.4] R4: [62.5, 56.4] R5: [4.8, 46.3] R6: [31.1, 3.3] R7: [50.3, 59.0] | 0 0 0 0 0 0 1 0 0 1 1 1 1 0 0 1 0 1 1 0 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 0 1 1 0 0 1 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 17 | 7 | R1: [5.2, 34.9] R2: [47.1, 35.3] R3: [48.1, 82.5] R4: [27.6, 30.4] R5: [6.3, 93.9] R6: [29.3, 41.0] R7: [45.6, 61.2] | 0 1 1 0 0 0 1 1 0 1 0 1 1 1 1 1 0 0 1 0 0 0 0 0 0 0 1 0 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 18 | 7 | R1: [31.0, 98.1] R2: [19.7, 40.7] R3: [31.0, 76.5] R4: [53.4, 46.7] R5: [14.1, 83.4] R6: [84.0, 17.7] R7: [21.4, 22.7] | 0 1 1 1 1 1 0 1 0 1 0 1 1 1 1 1 0 1 1 0 0 1 0 1 0 1 0 1 1 1 1 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 19 | 7 | R1: [41.1, 67.9] R2: [19.6, 62.0] R3: [88.3, 64.3] R4: [94.7, 77.3] R5: [2.0, 56.6] R6: [97.3, 24.1] R7: [70.4, 86.4] | 0 0 0 1 0 0 0 0 0 1 1 1 1 0 0 1 0 1 0 1 0 1 1 1 0 1 1 0 0 1 0 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 20 | 7 | R1: [48.2, 55.5] R2: [26.5, 38.0] R3: [27.4, 43.2] R4: [27.8, 62.9] R5: [11.5, 32.0] R6: [40.6, 22.0] R7: [27.6, 16.9] | 0 0 1 0 1 0 0 0 0 1 0 1 0 0 1 1 0 1 0 1 0 0 0 1 0 1 1 0 1 1 0 1 0 0 0 0 0 1 1 0 0 1 0 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 21 | 7 | R1: [43.5, 33.7] R2: [9.1, 16.1] R3: [67.1, 31.4] R4: [69.4, 2.8] R5: [69.0, 50.6] R6: [78.2, 37.8] R7: [53.9, 62.3] | 0 1 1 0 1 1 0 1 0 0 0 0 0 1 1 0 0 1 0 0 0 0 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 22 | 7 | R1: [34.9, 38.5] R2: [43.1, 62.9] R3: [20.4, 9.5] R4: [79.9, 98.6] R5: [91.1, 14.6] R6: [2.4, 7.8] R7: [37.4, 68.9] | 0 0 0 0 1 0 0 0 0 1 0 0 1 1 0 1 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 1 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 23 | 7 | R1: [88.2, 29.8] R2: [78.0, 61.8] R3: [66.4, 89.7] R4: [72.0, 61.7] R5: [22.2, 66.1] R6: [63.5, 6.2] R7: [5.0, 85.1] | 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 0 1 0 0 0 0 0 1 0 1 1 0 0 0 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 24 | 7 | R1: [83.4, 76.6] R2: [53.5, 10.5] R3: [55.2, 90.7] R4: [17.9, 87.1] R5: [99.0, 52.3] R6: [30.3, 40.6] R7: [35.3, 57.0] | 0 0 0 1 0 1 1 0 0 1 1 1 0 1 0 1 0 0 0 0 0 1 1 0 0 0 0 1 0 1 0 0 0 1 1 1 0 0 0 1 0 1 1 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 25 | 7 | R1: [8.4, 3.4] R2: [36.1, 24.3] R3: [49.8, 94.3] R4: [17.2, 91.5] R5: [52.8, 90.0] R6: [45.5, 22.1] R7: [76.3, 21.8] | 0 0 1 1 1 0 1 0 0 1 1 0 1 1 1 1 0 1 0 1 1 1 1 1 0 1 1 1 1 0 0 1 0 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 26 | 7 | R1: [8.8, 64.8] R2: [4.7, 29.1] R3: [44.4, 56.6] R4: [78.4, 49.1] R5: [39.1, 88.8] R6: [25.8, 99.6] R7: [99.4, 76.3] | 0 0 1 1 0 1 1 0 0 0 1 0 1 1 1 0 0 0 1 0 1 1 1 0 0 0 0 0 0 0 1 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 27 | 7 | R1: [47.4, 80.9] R2: [78.2, 42.0] R3: [0.1, 41.4] R4: [0.4, 60.9] R5: [12.1, 63.8] R6: [55.9, 25.2] R7: [91.9, 48.5] | 0 1 1 0 0 1 1 1 0 1 0 1 0 0 1 1 0 0 0 1 1 0 0 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 1 0 0 1 1 0 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 28 | 7 | R1: [24.6, 76.8] R2: [50.2, 50.5] R3: [84.5, 72.7] R4: [50.6, 93.6] R5: [37.1, 62.3] R6: [67.6, 56.6] R7: [53.7, 75.7] | 0 1 0 0 1 0 0 1 0 1 1 0 1 1 0 1 0 0 0 0 0 0 1 0 0 1 1 0 1 0 0 1 0 1 1 0 1 0 1 1 0 0 0 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 29 | 7 | R1: [51.1, 73.2] R2: [6.7, 65.0] R3: [30.4, 68.9] R4: [86.7, 27.8] R5: [42.9, 72.9] R6: [27.1, 38.5] R7: [69.4, 56.0] | 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 0 1 1 1 1 0 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 30 | 7 | R1: [9.5, 91.4] R2: [57.2, 98.3] R3: [33.1, 65.6] R4: [76.7, 32.0] R5: [48.2, 78.2] R6: [57.2, 86.5] R7: [83.2, 98.8] | 0 1 0 1 0 0 0 1 0 1 1 1 0 1 0 1 0 1 1 0 1 1 1 1 0 1 0 0 0 1 1 1 0 1 0 0 0 0 0 1 0 0 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 31 | 7 | R1: [49.9, 56.2] R2: [48.9, 34.0] R3: [31.8, 77.1] R4: [79.6, 87.4] R5: [9.5, 67.6] R6: [15.2, 65.9] R7: [87.1, 16.1] | 0 0 1 1 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 32 | 7 | R1: [29.7, 48.2] R2: [2.9, 84.1] R3: [62.9, 34.2] R4: [4.3, 27.8] R5: [23.1, 22.7] R6: [72.2, 6.3] R7: [32.7, 99.6] | 0 0 0 1 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 1 0 0 0 1 0 1 1 1 1 1 0 0 1 1 0 0 0 0 0 0 1 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 33 | 7 | R1: [90.2, 45.6] R2: [20.6, 48.7] R3: [50.3, 92.3] R4: [12.2, 32.6] R5: [68.7, 16.5] R6: [93.4, 100.0] R7: [25.0, 92.7] | 0 0 1 0 1 0 0 0 0 1 1 0 0 1 1 1 0 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 34 | 7 | R1: [32.1, 98.8] R2: [32.4, 64.3] R3: [77.3, 87.6] R4: [0.4, 63.7] R5: [85.1, 48.8] R6: [62.3, 20.5] R7: [63.8, 40.1] | 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 1 1 0 0 0 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 1 0 1 0 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 35 | 7 | R1: [27.1, 10.9] R2: [92.0, 45.7] R3: [35.2, 45.5] R4: [29.6, 87.9] R5: [61.7, 74.1] R6: [4.1, 92.3] R7: [19.4, 89.9] | 0 1 1 1 0 0 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 1 0 0 1 1 0 0 0 0 1 0 1 1 0 1 1 1 1 0 1 0 0 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 36 | 7 | R1: [19.2, 0.9] R2: [8.9, 19.6] R3: [62.3, 62.2] R4: [27.4, 48.4] R5: [66.0, 95.9] R6: [68.9, 10.2] R7: [97.2, 87.7] | 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 0 0 0 1 0 1 1 0 0 0 0 1 0 1 0 0 0 1 0 1 1 1 0 1 0 0 1 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 37 | 7 | R1: [49.9, 25.1] R2: [75.2, 44.7] R3: [36.1, 25.1] R4: [12.7, 12.1] R5: [86.3, 38.9] R6: [28.5, 41.4] R7: [7.8, 30.5] | 0 1 1 0 1 0 1 1 0 0 0 0 1 1 1 0 0 1 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 1 0 1 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 38 | 7 | R1: [61.6, 47.6] R2: [33.9, 73.4] R3: [34.5, 99.1] R4: [61.4, 32.6] R5: [14.5, 72.1] R6: [34.9, 62.2] R7: [43.6, 56.1] | 0 0 0 1 1 1 0 0 0 1 1 0 0 1 0 1 0 1 1 0 1 1 1 1 0 1 0 0 1 0 1 1 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 39 | 7 | R1: [18.5, 47.8] R2: [13.0, 41.3] R3: [10.6, 65.3] R4: [31.4, 32.6] R5: [38.4, 57.3] R6: [82.3, 37.6] R7: [22.0, 31.1] | 0 1 1 0 1 0 1 1 0 1 1 1 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0 1 1 1 0 0 0 1 0 0 0 0 0 1 0 1 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 40 | 7 | R1: [9.7, 56.6] R2: [60.3, 10.8] R3: [32.2, 8.3] R4: [25.9, 26.9] R5: [76.1, 16.6] R6: [70.4, 35.4] R7: [31.6, 9.5] | 0 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 41 | 7 | R1: [78.0, 13.4] R2: [59.8, 56.4] R3: [95.5, 32.0] R4: [44.2, 60.2] R5: [68.8, 5.4] R6: [62.1, 16.9] R7: [89.2, 11.1] | 0 1 0 1 0 1 1 1 0 1 1 1 0 0 0 1 0 0 1 0 1 1 1 0 0 0 1 1 0 1 1 0 0 0 0 1 0 0 1 0 0 1 1 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 42 | 7 | R1: [45.5, 92.1] R2: [28.5, 91.0] R3: [23.7, 67.1] R4: [95.3, 37.7] R5: [66.8, 24.0] R6: [50.6, 21.1] R7: [93.4, 71.3] | 0 0 1 1 1 1 0 0 0 0 0 1 1 0 1 0 0 1 1 0 1 1 0 1 0 1 0 0 1 1 1 1 0 0 1 1 1 0 0 0 0 0 0 0 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 43 | 7 | R1: [92.5, 41.8] R2: [64.1, 57.3] R3: [7.4, 15.4] R4: [63.0, 14.6] R5: [38.3, 20.1] R6: [49.8, 4.4] R7: [92.7, 61.4] | 0 1 1 1 1 0 1 1 0 1 0 0 0 1 1 1 0 1 1 1 0 1 0 1 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 0 1 1 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 44 | 7 | R1: [58.1, 36.7] R2: [42.5, 45.0] R3: [31.6, 79.9] R4: [6.8, 76.4] R5: [93.1, 82.6] R6: [30.9, 60.3] R7: [20.8, 41.4] | 0 0 1 1 0 0 1 0 0 1 0 0 0 1 1 1 0 1 0 0 1 1 0 1 0 1 1 0 0 0 0 1 0 1 1 0 0 0 1 1 0 0 1 1 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 45 | 7 | R1: [10.2, 16.3] R2: [86.5, 80.5] R3: [78.7, 95.1] R4: [16.4, 44.7] R5: [31.8, 39.4] R6: [13.4, 37.0] R7: [39.5, 20.2] | 0 0 0 1 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 1 0 1 0 0 0 0 1 0 0 0 0 0 0 1 0 1 0 1 1 1 0 1 0 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 46 | 7 | R1: [75.5, 53.7] R2: [28.5, 48.8] R3: [12.5, 75.2] R4: [57.5, 48.5] R5: [1.9, 87.4] R6: [95.0, 25.5] R7: [12.2, 61.9] | 0 0 1 0 0 0 0 0 0 0 0 1 1 0 1 0 0 1 1 1 0 0 0 1 0 0 0 1 0 1 1 0 0 0 1 0 1 1 0 0 0 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 47 | 7 | R1: [19.2, 80.2] R2: [56.7, 12.5] R3: [30.6, 85.6] R4: [82.6, 84.9] R5: [64.5, 11.3] R6: [5.4, 63.0] R7: [32.9, 9.7] | 0 0 0 0 0 1 1 0 0 1 0 1 1 1 0 1 0 1 0 1 0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 1 1 1 0 1 0 1 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 48 | 7 | R1: [54.5, 47.3] R2: [70.5, 51.3] R3: [45.5, 1.2] R4: [75.5, 1.0] R5: [42.0, 47.7] R6: [83.5, 29.8] R7: [49.1, 9.4] | 0 0 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 1 1 0 0 0 1 0 1 1 1 1 1 0 1 1 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 49 | 7 | R1: [3.6, 70.1] R2: [1.3, 88.5] R3: [95.5, 26.7] R4: [60.5, 18.0] R5: [50.1, 78.1] R6: [58.2, 2.8] R7: [91.6, 27.6] | 0 0 1 0 0 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 1 0 0 0 0 0 0 1 0 1 1 0 0 0 0 1 0 0 0 0 0 1 0 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 50 | 7 | R1: [28.6, 81.2] R2: [0.9, 0.6] R3: [65.3, 2.6] R4: [0.7, 3.7] R5: [80.6, 66.4] R6: [41.1, 19.7] R7: [75.7, 70.5] | 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 0 1 1 0 0 0 1 0 1 0 1 0 1 0 0 1 1 0 0 0 0 0 1 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

## Number of Agents: 8

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 1 | 8 | R1: [81.8, 4.8] R2: [88.6, 3.1] R3: [97.5, 89.7] R4: [59.5, 83.7] R5: [42.2, 45.9] R6: [50.5, 33.2] R7: [51.4, 84.3] R8: [54.1, 93.4] | 0 1 1 0 0 1 1 0 1 0 0 0 0 0 0 0 1 0 0 1 1 0 1 1 0 0 1 0 1 1 1 1 0 0 1 1 0 1 1 1 1 0 0 1 1 0 0 1 1 0 1 1 1 0 0 0 0 0 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 2 | 8 | R1: [68.0, 71.6] R2: [4.4, 22.7] R3: [74.4, 31.7] R4: [100.0, 46.7] R5: [14.1, 61.2] R6: [10.3, 58.0] R7: [39.4, 20.9] R8: [65.9, 0.1] | 0 1 1 0 0 1 1 0 1 0 0 0 0 1 1 1 1 0 0 1 1 0 0 1 0 0 1 0 1 0 0 0 0 0 1 1 0 1 0 0 1 1 0 0 1 0 0 0 1 1 0 0 0 0 0 1 0 1 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 3 | 8 | R1: [71.7, 97.7] R2: [46.3, 86.5] R3: [42.3, 60.8] R4: [49.7, 15.2] R5: [45.4, 57.4] R6: [65.5, 88.8] R7: [73.3, 86.5] R8: [25.0, 52.5] | 0 1 0 0 1 1 0 1 1 0 0 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 1 0 1 1 0 0 1 0 1 1 0 1 0 1 1 1 1 1 1 0 0 1 0 1 1 0 0 0 0 0 1 1 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 4 | 8 | R1: [12.9, 4.7] R2: [76.3, 11.3] R3: [67.0, 47.4] R4: [21.7, 40.6] R5: [20.7, 62.6] R6: [34.6, 90.9] R7: [65.3, 5.7] R8: [91.5, 2.0] | 0 0 1 1 1 1 0 0 0 0 0 1 1 0 0 1 1 0 0 0 0 1 1 1 1 1 0 0 1 1 1 0 1 1 0 1 0 0 0 0 1 0 1 1 0 0 0 0 0 0 1 1 0 0 0 1 0 1 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 5 | 8 | R1: [34.1, 15.8] R2: [10.5, 47.4] R3: [21.1, 19.1] R4: [69.7, 67.2] R5: [73.6, 39.0] R6: [33.6, 84.1] R7: [29.9, 12.0] R8: [20.4, 13.1] | 0 1 0 0 0 1 0 1 1 0 1 0 0 1 0 0 0 1 0 1 1 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 1 1 0 0 0 0 0 1 1 0 0 0 0 1 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 6 | 8 | R1: [40.4, 16.7] R2: [87.9, 78.2] R3: [2.8, 52.5] R4: [0.7, 42.5] R5: [62.5, 76.6] R6: [25.4, 97.3] R7: [98.0, 19.5] R8: [40.3, 71.4] | 0 0 1 0 1 1 0 1 0 0 1 0 0 0 0 1 1 1 0 1 1 1 0 1 0 0 1 0 0 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 0 0 0 0 1 1 0 0 1 1 1 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 7 | 8 | R1: [10.3, 75.1] R2: [2.6, 64.8] R3: [31.2, 98.0] R4: [74.7, 3.5] R5: [56.0, 19.3] R6: [14.7, 4.9] R7: [52.2, 17.8] R8: [56.2, 2.3] | 0 1 0 0 0 0 1 1 1 0 1 0 1 1 1 1 0 1 0 1 0 0 1 0 0 0 1 0 1 1 1 0 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 1 1 1 0 0 0 1 1 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 8 | 8 | R1: [1.7, 46.3] R2: [91.6, 74.7] R3: [12.0, 39.0] R4: [69.1, 73.2] R5: [42.3, 37.9] R6: [79.7, 1.2] R7: [5.7, 60.0] R8: [97.3, 20.3] | 0 0 0 0 1 1 0 1 0 0 1 0 0 1 0 0 0 1 0 1 1 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 0 0 1 1 1 1 1 0 0 1 1 0 0 0 0 0 1 0 0 1 0 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 9 | 8 | R1: [67.8, 80.8] R2: [96.8, 97.5] R3: [67.2, 58.0] R4: [40.1, 12.5] R5: [44.0, 19.9] R6: [63.0, 44.6] R7: [17.5, 66.9] R8: [53.2, 48.7] | 0 1 1 0 1 0 0 1 1 0 1 1 1 1 0 0 1 1 0 0 1 1 0 0 0 1 0 0 0 1 1 0 1 1 1 0 0 1 0 1 0 1 1 1 1 0 1 0 0 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 10 | 8 | R1: [85.6, 3.6] R2: [56.4, 9.9] R3: [5.6, 98.1] R4: [97.5, 12.8] R5: [31.1, 68.1] R6: [99.9, 59.4] R7: [39.8, 53.5] R8: [25.3, 33.6] | 0 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 1 0 0 0 1 1 1 1 1 1 0 0 0 0 1 1 0 0 1 0 0 1 0 1 1 1 1 0 1 0 1 0 1 0 1 1 0 1 0 0 1 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 11 | 8 | R1: [32.1, 69.8] R2: [91.8, 63.3] R3: [35.5, 49.8] R4: [87.7, 35.0] R5: [57.0, 69.5] R6: [92.8, 44.8] R7: [3.9, 23.4] R8: [58.1, 39.9] | 0 1 0 0 0 1 0 1 1 0 0 1 0 1 1 1 0 0 0 0 1 0 0 1 0 1 0 0 1 1 0 0 0 0 1 1 0 1 1 0 1 1 0 1 1 0 0 1 0 1 0 0 1 0 0 0 1 1 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 12 | 8 | R1: [79.7, 97.5] R2: [32.8, 2.7] R3: [31.0, 22.2] R4: [36.1, 64.4] R5: [93.2, 77.8] R6: [31.4, 33.7] R7: [38.5, 89.2] R8: [41.1, 19.1] | 0 0 1 1 1 0 0 1 0 0 1 1 1 1 0 1 1 1 0 1 0 0 0 0 1 1 1 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 1 1 0 1 1 0 0 0 1 1 1 0 0 1 1 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 13 | 8 | R1: [68.4, 14.5] R2: [84.5, 63.1] R3: [80.4, 76.2] R4: [5.3, 78.1] R5: [10.5, 44.6] R6: [83.1, 17.4] R7: [63.0, 45.1] R8: [58.2, 57.4] | 0 1 0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 1 0 0 1 1 1 0 1 1 0 0 0 0 1 1 0 1 1 0 0 0 0 0 0 0 1 0 0 0 1 0 1 0 1 1 0 1 0 1 1 1 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 14 | 8 | R1: [25.3, 46.4] R2: [99.9, 80.9] R3: [35.2, 16.0] R4: [95.9, 34.1] R5: [82.5, 53.7] R6: [36.9, 1.1] R7: [56.2, 90.9] R8: [69.0, 8.2] | 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 1 1 1 0 0 0 0 1 0 0 0 0 0 0 1 0 0 1 1 0 0 0 1 0 1 0 0 0 1 1 0 1 0 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 15 | 8 | R1: [77.7, 4.5] R2: [75.4, 20.0] R3: [71.1, 86.3] R4: [78.8, 11.7] R5: [40.9, 47.3] R6: [21.7, 13.5] R7: [41.3, 57.7] R8: [5.2, 44.5] | 0 0 0 0 1 0 1 1 0 0 1 0 1 0 0 1 0 1 0 1 1 1 1 0 0 0 1 0 1 1 0 1 1 1 1 1 0 0 1 0 0 0 1 1 0 0 1 1 1 0 1 0 1 1 0 0 1 1 0 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 16 | 8 | R1: [65.1, 86.6] R2: [81.0, 16.9] R3: [3.6, 28.6] R4: [96.2, 75.0] R5: [61.2, 22.8] R6: [18.2, 34.5] R7: [43.4, 80.2] R8: [48.6, 60.4] | 0 1 1 1 1 0 0 1 1 0 1 1 1 0 1 0 1 1 0 1 1 1 1 1 1 1 1 0 1 0 1 1 1 1 1 1 0 0 0 1 0 0 1 0 0 0 0 1 0 1 1 1 0 0 0 1 1 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 17 | 8 | R1: [82.4, 52.2] R2: [72.1, 53.0] R3: [24.3, 37.2] R4: [34.5, 89.5] R5: [91.4, 20.7] R6: [1.3, 20.9] R7: [74.6, 94.6] R8: [62.1, 38.2] | 0 0 0 1 1 1 1 0 0 0 0 1 0 1 1 1 0 0 0 1 1 0 0 1 1 1 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 1 0 0 0 1 1 1 0 0 1 0 0 0 0 1 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 18 | 8 | R1: [43.8, 0.6] R2: [77.3, 84.3] R3: [93.9, 40.5] R4: [21.2, 98.6] R5: [0.6, 54.0] R6: [23.3, 2.6] R7: [82.0, 67.7] R8: [54.6, 70.4] | 0 0 0 1 0 0 1 1 0 0 1 1 1 0 1 0 0 1 0 1 0 1 1 1 1 1 1 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 0 1 1 1 1 1 0 0 0 1 0 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 19 | 8 | R1: [34.0, 47.6] R2: [97.4, 25.4] R3: [0.1, 63.8] R4: [44.3, 24.0] R5: [45.0, 84.4] R6: [95.3, 56.8] R7: [7.0, 54.0] R8: [55.7, 45.2] | 0 1 0 1 0 0 1 1 1 0 1 0 1 0 1 1 0 1 0 0 1 0 1 1 1 0 0 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 0 0 0 0 1 0 1 1 1 1 1 1 0 1 1 1 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 20 | 8 | R1: [96.3, 92.0] R2: [80.0, 51.9] R3: [42.8, 86.1] R4: [77.8, 22.8] R5: [48.0, 3.7] R6: [33.2, 52.7] R7: [28.7, 63.9] R8: [27.0, 0.9] | 0 1 1 0 0 1 0 0 1 0 0 1 0 1 1 1 1 0 0 0 0 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 0 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 21 | 8 | R1: [35.5, 81.8] R2: [53.7, 6.5] R3: [75.3, 6.6] R4: [80.9, 84.8] R5: [37.8, 13.4] R6: [81.9, 89.8] R7: [1.4, 4.5] R8: [21.1, 85.1] | 0 1 0 0 0 1 1 0 1 0 0 1 1 1 0 0 0 0 0 0 0 1 1 0 0 1 0 0 0 1 0 1 0 1 0 0 0 1 0 0 1 1 1 1 1 0 1 0 1 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 22 | 8 | R1: [21.7, 14.2] R2: [44.5, 97.8] R3: [90.4, 50.9] R4: [11.5, 86.2] R5: [76.9, 67.9] R6: [71.0, 8.9] R7: [83.9, 27.1] R8: [91.8, 53.4] | 0 0 0 0 0 1 0 1 0 0 1 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 1 0 1 1 0 0 0 0 0 1 0 1 1 1 1 1 0 1 1 0 0 1 0 0 0 0 1 0 0 0 1 0 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 23 | 8 | R1: [69.9, 30.9] R2: [67.0, 50.6] R3: [78.5, 74.8] R4: [24.8, 42.9] R5: [90.9, 51.1] R6: [32.2, 72.0] R7: [36.2, 63.0] R8: [71.4, 58.8] | 0 1 1 0 0 0 1 1 1 0 1 1 1 1 0 1 1 1 0 1 0 1 1 1 0 1 1 0 0 0 1 1 0 1 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 1 1 0 0 0 1 1 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 24 | 8 | R1: [39.2, 12.2] R2: [74.3, 17.7] R3: [7.5, 42.9] R4: [40.0, 29.1] R5: [37.0, 27.3] R6: [42.1, 7.2] R7: [37.7, 64.3] R8: [29.0, 55.4] | 0 1 1 0 0 1 1 0 1 0 1 1 0 1 1 1 1 1 0 1 0 0 0 1 0 1 1 0 1 1 1 0 0 0 0 1 0 1 1 1 1 1 0 1 1 0 1 0 1 1 0 1 1 1 0 0 0 1 1 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 25 | 8 | R1: [96.0, 87.4] R2: [27.0, 38.8] R3: [16.4, 92.3] R4: [91.5, 6.7] R5: [16.5, 25.5] R6: [44.5, 32.9] R7: [28.0, 8.2] R8: [71.2, 35.6] | 0 0 1 0 0 0 1 1 0 0 0 1 1 0 1 1 1 0 0 0 1 1 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 0 0 0 0 0 1 1 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 26 | 8 | R1: [79.5, 49.9] R2: [38.4, 78.4] R3: [83.3, 48.0] R4: [15.8, 5.1] R5: [56.5, 83.2] R6: [50.4, 76.2] R7: [23.1, 88.7] R8: [97.3, 29.6] | 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 1 0 0 0 0 0 0 0 1 0 1 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 27 | 8 | R1: [59.1, 91.3] R2: [45.0, 90.8] R3: [94.1, 87.3] R4: [8.0, 82.3] R5: [1.9, 15.6] R6: [27.1, 95.8] R7: [89.9, 53.4] R8: [37.0, 23.8] | 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 0 1 1 0 1 0 0 1 1 0 1 0 0 1 0 0 1 1 0 1 0 1 0 0 0 0 1 0 1 1 0 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 28 | 8 | R1: [35.5, 85.6] R2: [70.5, 35.1] R3: [38.4, 85.1] R4: [30.6, 50.7] R5: [49.9, 10.1] R6: [64.0, 8.1] R7: [27.6, 3.7] R8: [77.2, 57.3] | 0 0 1 1 1 0 1 1 0 0 1 0 1 0 0 0 1 1 0 1 1 1 0 1 1 0 1 0 0 1 1 0 1 1 1 0 0 1 0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 1 0 1 1 0 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 29 | 8 | R1: [34.9, 38.9] R2: [83.7, 81.2] R3: [21.7, 62.6] R4: [2.5, 54.6] R5: [15.6, 7.7] R6: [20.3, 74.0] R7: [21.1, 51.3] R8: [27.8, 73.1] | 0 1 0 1 0 1 1 0 1 0 0 0 0 0 1 1 0 0 0 0 1 0 0 1 1 0 0 0 0 0 1 1 0 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 30 | 8 | R1: [24.2, 75.7] R2: [45.7, 51.5] R3: [58.6, 20.0] R4: [31.9, 21.2] R5: [55.0, 98.4] R6: [49.7, 72.8] R7: [71.3, 43.1] R8: [59.5, 44.7] | 0 1 0 0 0 1 0 0 1 0 1 1 1 0 1 1 0 1 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 0 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 31 | 8 | R1: [21.2, 55.3] R2: [50.7, 37.4] R3: [61.8, 63.7] R4: [85.5, 98.3] R5: [27.9, 64.1] R6: [5.6, 25.1] R7: [86.9, 76.7] R8: [56.3, 71.6] | 0 0 1 1 0 0 1 0 0 0 0 0 1 0 1 1 1 0 0 1 0 0 1 1 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 1 1 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 32 | 8 | R1: [79.1, 4.2] R2: [44.9, 91.0] R3: [3.0, 68.5] R4: [64.7, 81.7] R5: [73.7, 75.1] R6: [32.8, 91.2] R7: [43.2, 49.6] R8: [93.9, 88.4] | 0 0 0 0 0 1 1 1 0 0 0 0 1 1 0 1 0 0 0 0 0 0 0 1 0 0 0 0 1 1 1 0 0 1 0 1 0 1 0 1 1 1 0 1 1 0 1 1 1 0 0 1 0 1 0 0 1 1 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 33 | 8 | R1: [96.2, 13.3] R2: [71.0, 25.5] R3: [36.7, 79.9] R4: [46.7, 37.0] R5: [31.2, 8.2] R6: [36.0, 49.4] R7: [13.1, 72.9] R8: [64.5, 38.9] | 0 1 0 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 1 0 0 1 1 1 1 0 1 0 0 1 1 0 1 1 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 34 | 8 | R1: [16.1, 97.4] R2: [23.0, 5.3] R3: [60.9, 24.8] R4: [35.4, 49.1] R5: [86.0, 90.6] R6: [38.8, 50.9] R7: [4.3, 79.1] R8: [22.5, 37.1] | 0 1 1 0 1 0 0 0 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 0 0 1 1 0 0 1 1 1 1 0 1 0 0 1 0 1 0 1 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 35 | 8 | R1: [26.0, 95.7] R2: [85.3, 13.5] R3: [8.7, 68.2] R4: [87.5, 54.7] R5: [3.5, 40.1] R6: [90.3, 75.8] R7: [85.3, 41.8] R8: [61.5, 85.3] | 0 1 1 0 0 0 0 1 1 0 0 1 0 0 0 1 1 0 0 0 1 0 0 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 1 1 0 0 0 1 1 0 1 0 0 0 0 0 1 1 0 0 1 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 36 | 8 | R1: [12.5, 33.6] R2: [0.9, 75.0] R3: [63.8, 38.0] R4: [37.3, 26.9] R5: [5.5, 15.1] R6: [69.2, 44.6] R7: [25.2, 72.6] R8: [12.9, 56.5] | 0 1 1 1 0 0 1 1 1 0 1 0 0 0 1 1 1 1 0 0 0 1 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 37 | 8 | R1: [7.6, 42.4] R2: [45.0, 15.3] R3: [17.5, 57.3] R4: [37.3, 6.4] R5: [34.2, 60.2] R6: [28.8, 51.2] R7: [90.2, 30.4] R8: [59.4, 69.2] | 0 1 1 0 0 1 1 0 1 0 0 1 0 0 0 0 1 0 0 0 1 0 1 1 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 38 | 8 | R1: [38.3, 76.4] R2: [61.8, 18.8] R3: [37.8, 70.5] R4: [20.0, 96.9] R5: [91.0, 27.1] R6: [28.2, 47.1] R7: [80.3, 82.4] R8: [6.0, 8.6] | 0 1 1 1 0 1 0 0 1 0 1 0 1 1 1 0 1 1 0 0 1 1 0 0 1 0 0 0 1 0 0 1 0 1 1 1 0 1 0 1 1 1 1 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 39 | 8 | R1: [31.4, 37.5] R2: [66.1, 7.9] R3: [42.7, 78.7] R4: [35.2, 20.8] R5: [82.0, 46.8] R6: [76.0, 86.9] R7: [42.0, 62.9] R8: [85.6, 43.2] | 0 1 1 1 0 0 0 1 1 0 0 1 1 0 1 0 1 0 0 1 0 1 0 0 1 1 1 0 1 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 0 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 40 | 8 | R1: [39.2, 98.2] R2: [94.3, 8.7] R3: [73.1, 24.2] R4: [4.7, 32.0] R5: [76.4, 87.7] R6: [71.7, 7.5] R7: [14.5, 46.5] R8: [98.5, 2.7] | 0 0 0 0 0 0 1 0 0 0 0 0 1 0 1 0 0 0 0 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 1 1 1 0 0 0 1 0 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 41 | 8 | R1: [49.4, 20.2] R2: [59.9, 99.6] R3: [60.4, 79.9] R4: [60.5, 61.3] R5: [0.6, 45.8] R6: [62.6, 21.0] R7: [95.2, 64.3] R8: [34.7, 49.5] | 0 1 0 0 1 0 0 0 1 0 1 0 0 1 0 1 0 1 0 0 1 1 1 1 0 0 0 0 0 0 0 1 1 0 1 0 0 0 1 0 0 1 1 0 0 0 1 0 0 0 1 0 1 1 0 1 0 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 42 | 8 | R1: [95.2, 91.7] R2: [41.2, 88.6] R3: [85.7, 83.1] R4: [6.1, 99.8] R5: [56.6, 12.5] R6: [11.4, 34.7] R7: [39.4, 97.5] R8: [24.6, 72.7] | 0 0 1 0 1 0 1 1 0 0 0 0 1 0 0 0 1 0 0 1 0 0 1 1 0 0 1 0 1 0 1 1 1 1 0 1 0 1 1 0 0 0 0 0 1 0 0 1 1 0 1 1 1 0 0 1 1 0 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 43 | 8 | R1: [40.1, 48.2] R2: [96.7, 54.0] R3: [4.8, 61.2] R4: [58.0, 69.5] R5: [90.1, 53.7] R6: [65.0, 2.5] R7: [40.4, 80.6] R8: [78.0, 16.3] | 0 1 1 0 0 0 1 1 1 0 1 0 1 0 1 0 1 1 0 1 1 0 0 0 0 0 1 0 0 1 0 0 0 1 1 0 0 1 1 1 0 0 0 1 1 0 0 1 1 1 0 0 1 0 0 0 1 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 44 | 8 | R1: [14.9, 83.4] R2: [49.0, 75.0] R3: [91.8, 34.7] R4: [0.0, 38.0] R5: [14.5, 40.9] R6: [80.3, 98.1] R7: [46.0, 80.5] R8: [67.1, 6.8] | 0 1 0 1 0 0 1 1 1 0 1 1 1 1 1 1 0 1 0 1 0 1 0 0 1 1 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 0 1 1 1 0 0 0 0 0 0 1 1 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 45 | 8 | R1: [7.3, 35.0] R2: [90.9, 8.8] R3: [4.0, 87.4] R4: [25.7, 1.9] R5: [92.9, 36.8] R6: [98.5, 75.8] R7: [23.1, 88.1] R8: [74.0, 7.4] | 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 1 0 0 0 1 1 1 1 0 0 0 1 0 0 1 0 0 1 0 1 0 0 0 0 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 46 | 8 | R1: [18.6, 97.7] R2: [60.0, 9.3] R3: [95.0, 65.6] R4: [71.4, 25.1] R5: [50.9, 62.6] R6: [22.2, 15.3] R7: [77.1, 31.7] R8: [84.3, 20.9] | 0 1 1 0 1 0 0 1 1 0 1 1 0 1 0 1 1 1 0 0 1 1 1 0 0 1 0 0 0 1 0 1 1 0 1 0 0 1 0 0 0 1 1 1 1 0 0 0 0 0 1 0 0 0 0 0 1 1 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 47 | 8 | R1: [22.4, 50.6] R2: [27.7, 73.1] R3: [14.0, 79.2] R4: [14.3, 20.8] R5: [78.6, 80.7] R6: [72.5, 78.3] R7: [72.7, 34.2] R8: [42.7, 41.8] | 0 0 1 0 0 0 1 1 0 0 0 1 1 1 1 0 1 0 0 1 1 1 1 1 0 1 1 0 0 0 0 1 0 1 1 0 0 1 1 1 0 1 1 0 1 0 0 0 1 1 1 0 1 0 0 0 1 0 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 48 | 8 | R1: [69.3, 11.2] R2: [81.7, 36.0] R3: [4.8, 37.9] R4: [16.3, 51.8] R5: [90.2, 72.4] R6: [54.9, 16.6] R7: [28.0, 46.0] R8: [81.0, 90.5] | 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 0 0 1 0 1 1 0 0 1 1 0 0 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 49 | 8 | R1: [39.0, 28.4] R2: [75.5, 16.8] R3: [43.1, 45.5] R4: [99.5, 81.0] R5: [79.1, 68.4] R6: [23.2, 17.6] R7: [12.8, 12.5] R8: [57.6, 99.6] | 0 1 1 1 1 1 1 0 1 0 1 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 0 1 1 0 0 1 1 1 1 0 0 0 1 1 1 1 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 50 | 8 | R1: [9.2, 16.5] R2: [51.7, 42.9] R3: [24.5, 50.8] R4: [80.3, 14.4] R5: [23.3, 98.0] R6: [90.8, 44.8] R7: [35.9, 81.4] R8: [30.7, 27.3] | 0 0 1 0 1 1 0 1 0 0 0 0 1 1 1 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0 1 1 0 0 0 1 0 1 1 1 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

## Number of Agents: 9

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 1 | 9 | R1: [39.1, 83.5] R2: [99.3, 2.3] R3: [51.5, 54.7] R4: [84.9, 38.3] R5: [50.6, 80.0] R6: [39.0, 74.1] R7: [81.3, 81.4] R8: [65.4, 88.1] R9: [38.3, 46.7] | 0 1 1 0 1 1 1 1 1 1 0 1 0 0 1 0 1 0 1 1 0 1 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 1 0 0 1 1 0 1 1 1 1 1 1 0 1 0 1 1 0 0 0 1 1 0 1 1 1 1 0 0 0 0 1 0 1 1 0 1 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 2 | 9 | R1: [43.7, 95.6] R2: [89.0, 5.1] R3: [68.3, 40.1] R4: [64.8, 15.0] R5: [96.3, 1.9] R6: [52.1, 30.5] R7: [74.5, 11.6] R8: [26.7, 49.2] R9: [35.2, 2.0] | 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 1 1 0 0 0 0 0 0 0 1 0 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 1 0 0 0 1 1 1 1 0 0 1 0 0 0 1 0 1 1 0 1 1 0 0 1 1 1 0 0 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 3 | 9 | R1: [78.6, 12.8] R2: [9.4, 63.7] R3: [1.7, 60.9] R4: [18.6, 94.9] R5: [35.6, 44.0] R6: [64.8, 67.6] R7: [10.8, 47.7] R8: [69.4, 18.5] R9: [40.8, 35.4] | 0 0 0 1 1 0 0 1 1 0 0 0 0 1 0 1 1 1 0 0 0 0 1 0 1 0 0 1 0 0 0 0 1 1 1 0 1 1 1 0 0 0 1 0 1 0 0 0 1 0 0 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 1 0 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 4 | 9 | R1: [80.9, 50.7] R2: [20.5, 9.6] R3: [39.6, 81.7] R4: [19.8, 42.9] R5: [65.5, 20.1] R6: [48.3, 12.9] R7: [93.1, 34.0] R8: [72.1, 84.4] R9: [77.1, 61.7] | 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 1 1 0 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 0 0 1 0 0 1 0 0 0 1 0 1 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0 0 1 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 5 | 9 | R1: [63.4, 14.6] R2: [69.1, 36.5] R3: [39.5, 82.1] R4: [27.4, 74.7] R5: [60.7, 54.6] R6: [99.5, 45.3] R7: [52.1, 27.3] R8: [10.2, 52.4] R9: [18.9, 5.5] | 0 0 1 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 1 0 0 1 1 1 1 0 1 0 1 0 1 0 0 1 1 0 0 0 1 1 0 0 1 0 0 0 0 0 0 0 1 0 1 0 0 0 1 0 0 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 6 | 9 | R1: [94.3, 2.1] R2: [68.2, 84.0] R3: [20.2, 27.6] R4: [48.9, 40.3] R5: [42.8, 25.7] R6: [82.5, 74.7] R7: [96.9, 75.6] R8: [27.8, 55.4] R9: [5.6, 11.5] | 0 0 1 0 1 1 0 0 1 0 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 0 1 0 0 1 0 1 1 1 0 1 1 1 1 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 0 1 1 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 7 | 9 | R1: [8.5, 31.6] R2: [3.9, 92.0] R3: [82.3, 35.9] R4: [73.4, 14.5] R5: [49.0, 29.6] R6: [78.3, 44.5] R7: [29.2, 59.5] R8: [19.8, 89.3] R9: [13.1, 58.7] | 0 1 1 1 1 0 1 1 0 1 0 0 0 0 1 1 0 1 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 1 0 1 0 0 1 0 1 1 0 1 1 1 1 1 1 0 1 0 1 0 0 1 0 1 1 0 0 0 1 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 8 | 9 | R1: [88.1, 20.2] R2: [67.2, 98.0] R3: [62.0, 85.8] R4: [88.9, 76.9] R5: [64.7, 68.7] R6: [34.9, 35.4] R7: [33.7, 65.8] R8: [27.4, 21.1] R9: [35.5, 77.1] | 0 1 1 1 0 1 1 1 1 1 0 0 1 0 0 0 0 0 1 0 0 1 0 1 1 1 1 1 1 1 0 1 0 1 1 1 0 0 0 1 0 0 0 1 1 1 0 1 0 0 0 0 0 1 1 0 1 1 0 0 0 1 0 1 0 1 1 1 0 1 0 0 1 0 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 9 | 9 | R1: [96.8, 9.4] R2: [34.8, 74.3] R3: [41.8, 81.2] R4: [91.6, 35.3] R5: [73.9, 96.0] R6: [69.8, 11.4] R7: [67.8, 85.7] R8: [84.5, 50.2] R9: [23.6, 49.7] | 0 1 0 0 0 0 0 0 0 1 0 0 1 0 1 1 1 0 0 0 0 0 1 1 0 1 1 0 1 0 0 1 0 1 0 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 1 0 1 1 0 0 0 0 0 1 0 0 1 0 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 10 | 9 | R1: [6.5, 73.3] R2: [47.4, 27.5] R3: [86.0, 19.1] R4: [24.8, 16.9] R5: [30.7, 8.0] R6: [0.9, 96.1] R7: [38.6, 39.8] R8: [12.6, 91.8] R9: [72.7, 63.1] | 0 0 1 0 1 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 1 0 0 0 1 1 0 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 0 1 0 0 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 11 | 9 | R1: [65.7, 60.4] R2: [32.2, 97.1] R3: [38.0, 25.3] R4: [77.6, 20.0] R5: [11.5, 3.2] R6: [36.0, 65.4] R7: [42.8, 7.9] R8: [1.0, 62.2] R9: [68.3, 53.7] | 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 1 1 0 0 0 0 1 0 1 1 0 0 1 0 0 0 1 0 1 1 1 0 1 0 1 1 1 0 0 1 0 0 0 1 0 1 0 0 0 1 1 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 12 | 9 | R1: [88.3, 5.5] R2: [83.3, 66.7] R3: [61.7, 93.9] R4: [63.3, 83.3] R5: [75.2, 97.9] R6: [7.3, 65.8] R7: [37.0, 85.6] R8: [40.7, 53.0] R9: [64.8, 97.6] | 0 0 1 0 1 0 1 0 0 0 0 1 1 0 0 0 1 0 1 1 0 1 1 0 0 0 1 0 1 1 0 0 1 1 0 1 1 0 1 0 0 1 0 1 1 0 0 0 1 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 1 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 13 | 9 | R1: [94.0, 72.5] R2: [0.3, 53.1] R3: [0.8, 73.4] R4: [48.8, 13.1] R5: [57.3, 53.8] R6: [40.2, 4.0] R7: [72.3, 30.2] R8: [55.9, 72.3] R9: [26.5, 25.6] | 0 0 0 1 1 1 0 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 1 0 1 0 1 1 0 0 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 0 0 1 0 0 1 0 0 0 1 1 0 1 1 0 0 0 0 1 0 0 1 0 0 0 0 1 0 1 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 14 | 9 | R1: [73.1, 96.4] R2: [21.9, 65.8] R3: [32.4, 86.0] R4: [11.6, 22.1] R5: [49.6, 89.7] R6: [47.3, 85.6] R7: [36.7, 59.2] R8: [4.1, 28.9] R9: [54.5, 59.6] | 0 1 1 1 1 1 1 0 0 1 0 1 0 0 0 1 1 1 1 1 0 1 0 0 0 1 0 1 0 1 0 1 1 0 1 1 1 0 0 1 0 1 1 1 1 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 1 1 1 1 0 0 0 1 0 1 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 15 | 9 | R1: [90.0, 63.4] R2: [45.4, 63.0] R3: [78.5, 59.1] R4: [23.7, 76.7] R5: [50.0, 41.3] R6: [84.8, 32.1] R7: [72.7, 31.4] R8: [15.1, 4.3] R9: [96.8, 72.5] | 0 1 0 0 1 0 0 0 1 1 0 1 0 1 0 0 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 0 0 1 1 1 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 0 1 1 0 1 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 16 | 9 | R1: [72.6, 3.3] R2: [7.6, 86.4] R3: [80.1, 61.4] R4: [69.7, 44.0] R5: [79.3, 64.5] R6: [27.2, 68.2] R7: [82.9, 28.6] R8: [7.5, 39.3] R9: [89.5, 37.9] | 0 0 1 1 1 0 0 1 1 0 0 0 0 1 1 1 1 0 1 0 0 1 0 0 1 1 0 1 0 1 0 0 0 0 0 1 1 1 0 0 0 1 0 0 0 0 1 0 0 1 0 0 0 0 0 1 1 0 0 0 0 1 1 1 1 1 0 0 0 1 0 1 1 0 0 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 17 | 9 | R1: [34.3, 91.3] R2: [22.4, 27.8] R3: [48.7, 20.0] R4: [33.9, 19.3] R5: [80.4, 23.6] R6: [83.9, 5.3] R7: [1.0, 44.2] R8: [84.5, 16.6] R9: [9.7, 12.8] | 0 0 1 1 0 0 0 1 0 0 0 1 1 1 1 1 0 1 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 1 0 0 1 1 1 0 1 1 0 1 0 1 0 1 1 0 0 1 0 0 1 1 1 1 0 0 0 1 1 0 1 1 0 1 0 0 1 0 1 0 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 18 | 9 | R1: [12.8, 61.3] R2: [93.1, 28.5] R3: [10.0, 15.2] R4: [65.8, 23.0] R5: [38.3, 50.5] R6: [55.6, 82.3] R7: [60.8, 36.6] R8: [61.7, 83.0] R9: [97.6, 57.2] | 0 0 0 1 1 1 0 0 1 0 0 1 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 1 1 1 0 1 0 1 0 1 1 0 0 1 0 1 1 1 0 1 1 0 0 1 0 0 1 1 0 0 1 1 1 0 0 0 1 0 0 0 0 1 1 0 0 0 1 1 1 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 19 | 9 | R1: [71.5, 47.3] R2: [66.4, 17.2] R3: [18.4, 29.5] R4: [86.6, 70.0] R5: [76.2, 78.3] R6: [65.9, 60.0] R7: [0.2, 9.2] R8: [23.7, 90.2] R9: [8.7, 23.6] | 0 0 1 1 1 1 1 0 1 0 0 0 0 0 1 1 1 0 1 0 0 1 1 0 1 1 1 1 0 1 0 1 0 0 0 0 1 0 1 1 0 0 1 1 0 1 1 0 0 0 0 0 1 0 1 1 1 0 1 0 0 1 0 0 1 1 0 1 1 1 0 1 1 0 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 20 | 9 | R1: [14.1, 59.7] R2: [58.3, 18.1] R3: [80.4, 31.6] R4: [1.7, 79.2] R5: [67.2, 74.4] R6: [2.4, 75.8] R7: [14.2, 7.7] R8: [48.7, 9.8] R9: [41.9, 17.9] | 0 1 1 0 0 0 0 0 0 1 0 0 1 1 0 1 0 1 1 0 0 1 1 0 1 1 1 0 1 1 0 1 0 0 0 0 0 1 1 1 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0 1 0 1 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 21 | 9 | R1: [28.2, 13.8] R2: [52.5, 67.7] R3: [0.9, 17.2] R4: [42.0, 8.2] R5: [70.7, 43.2] R6: [9.1, 68.3] R7: [33.3, 59.8] R8: [84.0, 28.0] R9: [69.0, 86.7] | 0 0 1 1 1 1 0 1 0 0 0 0 0 0 1 1 1 1 1 0 0 0 1 0 1 1 1 1 0 0 0 0 0 0 0 1 1 0 1 0 0 0 1 0 1 1 1 0 0 0 0 1 0 1 0 1 1 0 1 1 0 1 0 1 1 1 0 0 0 1 0 0 0 1 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 22 | 9 | R1: [23.6, 29.1] R2: [30.8, 73.0] R3: [43.6, 67.8] R4: [23.1, 64.3] R5: [60.1, 20.8] R6: [80.6, 3.0] R7: [8.5, 37.2] R8: [62.0, 13.5] R9: [29.5, 40.2] | 0 0 0 1 1 0 0 0 1 0 0 1 1 1 1 1 1 0 0 1 0 1 1 0 0 1 1 1 1 1 0 1 1 1 0 1 1 1 1 1 0 1 1 1 0 0 1 0 1 1 0 1 1 0 0 1 0 1 1 1 0 1 0 0 1 1 0 1 1 1 0 0 1 0 1 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 23 | 9 | R1: [68.7, 39.3] R2: [81.0, 71.4] R3: [37.1, 53.2] R4: [99.8, 95.9] R5: [25.3, 87.5] R6: [72.7, 33.4] R7: [24.1, 69.9] R8: [89.8, 18.6] R9: [36.8, 24.6] | 0 0 0 1 1 0 0 1 1 0 0 0 0 0 1 0 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 1 1 1 0 1 0 0 0 0 1 1 1 0 0 1 1 1 1 0 1 1 0 0 0 0 1 1 1 0 0 1 1 1 1 1 1 1 0 0 0 1 1 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 24 | 9 | R1: [7.5, 80.7] R2: [13.2, 45.4] R3: [13.6, 16.5] R4: [33.7, 36.5] R5: [77.4, 76.1] R6: [83.4, 5.3] R7: [95.6, 25.0] R8: [74.4, 19.6] R9: [40.4, 6.8] | 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 0 0 0 1 0 0 0 0 0 0 1 1 0 0 1 0 0 0 1 1 1 0 0 1 0 0 0 0 0 1 0 1 0 0 1 0 0 0 0 1 0 0 1 1 0 0 0 1 0 0 0 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 25 | 9 | R1: [81.8, 99.2] R2: [97.1, 56.1] R3: [92.1, 37.3] R4: [9.0, 57.5] R5: [78.1, 1.2] R6: [61.5, 60.8] R7: [42.5, 12.9] R8: [31.4, 33.4] R9: [69.5, 65.0] | 0 0 1 1 0 0 1 0 1 0 0 1 1 0 0 1 0 0 1 1 0 0 0 0 0 0 1 1 1 0 0 1 1 1 0 0 0 0 0 1 0 1 1 1 1 0 0 0 1 1 0 0 1 1 1 1 0 1 1 0 0 0 0 0 0 0 0 1 1 0 0 1 1 0 1 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 26 | 9 | R1: [17.1, 4.7] R2: [17.4, 85.2] R3: [47.4, 22.5] R4: [48.7, 73.7] R5: [40.7, 85.8] R6: [79.8, 0.9] R7: [46.2, 73.1] R8: [8.2, 29.3] R9: [45.8, 41.8] | 0 1 1 0 1 1 0 1 1 1 0 0 0 0 0 0 1 0 1 0 0 1 1 1 1 0 0 0 0 1 0 1 0 0 1 1 1 0 1 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 1 0 0 0 1 1 0 1 0 0 0 0 0 1 0 0 1 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 27 | 9 | R1: [50.5, 9.1] R2: [27.8, 36.2] R3: [25.0, 41.3] R4: [88.8, 16.9] R5: [26.2, 39.9] R6: [69.3, 65.4] R7: [96.9, 53.0] R8: [55.8, 30.9] R9: [8.1, 72.9] | 0 1 1 0 0 0 1 1 1 1 0 1 1 0 1 0 1 1 1 1 0 0 0 0 1 0 0 0 1 0 0 1 0 1 0 0 0 0 0 1 0 0 0 1 0 0 1 0 0 0 0 0 0 1 1 0 1 1 0 0 0 1 0 1 1 0 0 1 0 1 0 0 1 1 0 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 28 | 9 | R1: [37.0, 59.4] R2: [38.1, 21.9] R3: [84.6, 20.7] R4: [49.5, 61.8] R5: [57.6, 29.3] R6: [1.3, 67.4] R7: [29.6, 83.6] R8: [56.5, 36.0] R9: [51.5, 27.0] | 0 0 1 1 0 1 0 0 0 0 0 1 1 1 1 1 1 0 1 1 0 0 1 1 1 1 0 1 1 0 0 1 0 1 1 0 0 1 1 1 0 1 1 0 0 1 1 1 0 1 0 1 1 1 0 1 1 1 1 1 0 0 1 0 1 1 1 0 1 0 0 0 0 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 29 | 9 | R1: [76.1, 92.2] R2: [7.0, 27.5] R3: [25.0, 94.4] R4: [56.0, 29.0] R5: [84.7, 13.8] R6: [43.0, 9.1] R7: [26.9, 84.2] R8: [56.0, 37.0] R9: [63.3, 84.0] | 0 0 1 0 1 1 0 0 0 0 0 1 1 0 0 1 0 1 1 1 0 0 0 1 1 1 0 0 1 0 0 0 0 1 1 0 1 0 0 0 0 1 1 1 0 1 0 1 0 1 0 0 1 1 0 1 1 1 1 0 0 1 0 0 0 1 1 1 1 1 0 0 0 1 0 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 30 | 9 | R1: [11.9, 28.0] R2: [3.8, 4.2] R3: [89.3, 71.5] R4: [30.3, 94.1] R5: [58.7, 53.5] R6: [26.0, 84.2] R7: [47.6, 55.5] R8: [10.5, 16.3] R9: [16.5, 46.3] | 0 1 0 1 0 1 0 1 1 1 0 0 1 1 1 1 0 0 0 0 0 1 0 1 1 0 0 1 1 1 0 1 1 1 0 0 0 1 0 1 0 1 0 0 1 1 1 1 1 1 0 0 1 0 0 1 1 1 0 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 31 | 9 | R1: [12.9, 63.5] R2: [65.2, 81.7] R3: [22.3, 44.3] R4: [32.1, 80.6] R5: [32.7, 32.8] R6: [7.5, 88.2] R7: [4.6, 58.6] R8: [93.8, 99.4] R9: [57.8, 5.2] | 0 1 0 0 1 1 0 1 0 1 0 0 1 0 1 1 0 1 0 0 0 1 0 0 1 0 0 0 1 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 1 1 0 0 1 0 0 0 1 0 1 1 1 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 1 0 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 32 | 9 | R1: [94.3, 67.2] R2: [60.6, 67.1] R3: [58.8, 30.9] R4: [96.2, 19.8] R5: [18.3, 75.4] R6: [64.1, 61.4] R7: [39.6, 20.0] R8: [25.8, 20.5] R9: [79.0, 70.3] | 0 0 1 0 1 0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 0 1 0 1 1 1 1 0 1 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 0 1 1 0 1 0 1 0 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 0 1 0 0 1 0 1 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 33 | 9 | R1: [32.0, 33.6] R2: [87.4, 98.2] R3: [99.7, 54.5] R4: [77.2, 54.2] R5: [93.4, 72.0] R6: [3.0, 76.0] R7: [71.3, 48.6] R8: [41.1, 94.2] R9: [49.8, 64.0] | 0 0 1 0 1 1 0 1 1 0 0 1 0 0 0 1 0 1 1 1 0 0 1 1 0 1 0 0 0 0 0 0 0 0 1 1 1 0 1 0 0 0 1 1 1 1 0 1 0 0 0 1 1 1 0 1 0 0 1 1 0 1 1 1 0 1 1 1 1 1 0 0 1 1 0 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 34 | 9 | R1: [65.5, 46.7] R2: [97.9, 84.4] R3: [78.9, 36.1] R4: [15.2, 13.8] R5: [12.7, 28.7] R6: [43.7, 10.8] R7: [77.8, 16.1] R8: [98.7, 7.8] R9: [12.1, 41.3] | 0 0 1 0 0 1 1 0 1 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 1 0 0 0 0 0 1 1 1 1 0 0 1 0 0 1 0 1 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 1 1 0 1 0 1 1 0 1 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 35 | 9 | R1: [42.7, 18.6] R2: [45.6, 33.1] R3: [96.5, 42.0] R4: [5.1, 89.0] R5: [62.6, 89.2] R6: [29.4, 70.6] R7: [2.9, 79.5] R8: [11.0, 70.2] R9: [7.8, 29.3] | 0 0 1 0 0 1 1 0 0 0 0 1 1 1 0 0 1 0 1 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 1 1 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 0 1 1 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 36 | 9 | R1: [52.3, 63.4] R2: [34.4, 96.0] R3: [23.5, 49.5] R4: [19.5, 23.7] R5: [0.2, 2.4] R6: [3.7, 10.2] R7: [30.5, 61.6] R8: [77.0, 31.3] R9: [74.9, 54.7] | 0 0 1 1 1 0 1 1 1 0 0 1 1 1 1 1 0 0 1 1 0 0 1 1 1 1 1 1 1 0 0 0 1 0 0 1 1 1 1 0 0 0 0 0 0 0 1 1 1 0 0 0 1 0 1 1 1 0 0 0 0 1 1 1 0 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 37 | 9 | R1: [79.0, 26.1] R2: [56.5, 20.6] R3: [7.9, 83.7] R4: [15.2, 79.5] R5: [49.2, 59.0] R6: [16.2, 93.3] R7: [62.8, 17.8] R8: [85.0, 45.2] R9: [35.7, 56.4] | 0 1 0 0 1 0 0 1 0 1 0 1 0 0 0 0 1 1 0 1 0 1 1 1 1 1 0 0 0 1 0 0 1 1 0 1 1 0 1 0 0 0 0 0 1 0 0 1 1 0 0 1 0 0 0 0 1 1 0 1 0 1 0 1 1 1 0 0 0 1 0 0 0 1 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 38 | 9 | R1: [88.8, 39.6] R2: [29.3, 52.8] R3: [63.1, 47.1] R4: [13.9, 67.2] R5: [3.4, 26.0] R6: [62.2, 77.6] R7: [16.9, 40.9] R8: [25.5, 25.3] R9: [87.5, 58.5] | 0 0 1 0 1 1 1 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 0 1 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 1 1 1 0 1 0 0 0 1 0 0 1 1 1 0 1 1 0 0 1 1 1 1 1 1 0 0 0 1 1 0 1 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 39 | 9 | R1: [74.9, 65.4] R2: [43.1, 88.4] R3: [6.4, 35.8] R4: [95.8, 84.3] R5: [25.5, 97.4] R6: [73.0, 13.2] R7: [77.7, 37.2] R8: [33.3, 45.7] R9: [76.3, 65.1] | 0 0 1 1 1 1 0 0 1 0 0 1 0 1 1 0 1 0 1 1 0 0 0 1 0 1 1 1 0 0 0 1 0 0 1 1 1 1 0 1 0 1 1 1 1 1 1 1 0 1 0 0 1 0 0 0 0 0 1 0 0 1 0 0 1 1 1 1 1 1 0 0 1 0 1 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 40 | 9 | R1: [84.1, 82.4] R2: [25.6, 10.3] R3: [31.9, 35.3] R4: [58.5, 31.1] R5: [9.8, 41.0] R6: [70.5, 63.0] R7: [64.5, 93.1] R8: [95.1, 73.4] R9: [44.2, 85.2] | 0 1 1 1 1 0 1 0 1 1 0 1 0 0 0 0 0 0 1 1 0 0 1 0 0 1 0 1 0 0 0 0 1 0 1 1 1 0 1 0 0 1 1 0 0 0 0 0 1 1 0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 41 | 9 | R1: [64.1, 99.1] R2: [39.5, 17.9] R3: [72.6, 23.7] R4: [9.8, 96.1] R5: [46.4, 73.9] R6: [70.4, 87.1] R7: [94.4, 45.9] R8: [66.9, 12.4] R9: [60.5, 60.1] | 0 0 0 1 1 1 0 1 0 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 1 0 1 0 1 0 0 1 0 0 0 1 1 1 0 0 1 1 0 0 1 1 1 1 1 0 0 0 1 0 1 1 0 1 0 0 1 1 1 1 1 0 0 0 1 0 0 0 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 42 | 9 | R1: [41.4, 61.9] R2: [52.3, 0.9] R3: [73.8, 60.7] R4: [31.8, 7.6] R5: [64.7, 6.4] R6: [31.8, 47.8] R7: [78.3, 11.4] R8: [59.0, 21.4] R9: [51.6, 50.2] | 0 1 1 0 0 1 1 0 0 1 0 1 1 1 1 1 0 1 1 1 0 1 0 1 0 0 0 0 1 1 0 1 1 0 0 1 0 1 0 1 0 0 0 1 0 1 1 1 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 1 0 1 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 43 | 9 | R1: [54.3, 49.2] R2: [46.5, 87.8] R3: [38.4, 94.4] R4: [90.9, 49.8] R5: [50.8, 24.8] R6: [86.1, 97.6] R7: [18.0, 69.5] R8: [88.9, 57.7] R9: [26.6, 28.8] | 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 1 1 0 1 0 0 1 0 1 0 1 1 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 1 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 44 | 9 | R1: [46.5, 2.0] R2: [94.0, 96.1] R3: [90.2, 25.4] R4: [23.3, 37.2] R5: [24.1, 8.2] R6: [99.2, 10.4] R7: [50.0, 81.2] R8: [37.5, 6.1] R9: [73.9, 39.9] | 0 0 1 0 0 1 1 0 0 0 0 1 0 1 1 1 0 1 1 1 0 1 0 0 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 0 1 1 0 1 1 0 1 0 0 1 0 0 1 1 0 0 1 1 0 1 1 0 0 0 1 1 0 1 0 0 0 1 1 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 45 | 9 | R1: [30.7, 40.4] R2: [25.7, 71.0] R3: [81.7, 24.4] R4: [90.6, 22.1] R5: [79.3, 68.5] R6: [16.7, 12.9] R7: [92.2, 52.5] R8: [49.4, 19.8] R9: [42.8, 92.5] | 0 1 1 0 1 0 1 1 1 1 0 0 0 0 1 1 0 1 1 0 0 0 0 1 0 1 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 0 1 1 0 1 1 0 1 0 0 1 0 1 1 0 0 0 0 0 1 0 1 0 1 0 1 1 1 0 0 1 1 1 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 46 | 9 | R1: [68.4, 77.7] R2: [14.8, 75.6] R3: [42.1, 65.2] R4: [71.0, 42.1] R5: [79.6, 23.6] R6: [17.5, 68.6] R7: [30.1, 82.7] R8: [19.0, 25.8] R9: [81.3, 90.3] | 0 1 1 1 1 1 1 0 1 1 0 0 1 1 1 1 0 1 1 0 0 1 0 1 1 0 1 1 1 1 0 0 0 0 0 0 1 1 0 0 0 0 1 0 0 1 1 1 0 0 0 0 1 0 1 1 1 0 1 0 0 1 0 0 0 0 0 0 1 1 0 0 1 1 1 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 47 | 9 | R1: [64.1, 75.9] R2: [72.4, 7.5] R3: [15.9, 10.0] R4: [1.7, 83.5] R5: [90.4, 72.3] R6: [11.7, 81.5] R7: [66.3, 30.7] R8: [78.4, 15.7] R9: [52.8, 62.1] | 0 1 0 0 1 0 1 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 1 1 1 1 1 0 0 1 0 1 0 0 0 0 1 0 1 1 0 0 1 0 1 0 0 1 0 0 0 0 1 1 1 1 1 0 1 0 0 0 0 1 0 1 0 0 1 0 0 1 0 1 1 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 48 | 9 | R1: [56.4, 26.9] R2: [97.0, 67.0] R3: [35.6, 98.9] R4: [85.5, 84.9] R5: [78.8, 37.1] R6: [78.7, 4.8] R7: [10.6, 98.8] R8: [57.3, 21.7] R9: [35.6, 86.6] | 0 0 0 0 1 0 1 1 0 0 0 0 0 1 1 1 0 1 0 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 0 1 1 1 0 0 1 0 1 1 0 0 1 1 1 1 1 0 1 0 0 0 0 1 0 0 1 1 1 0 0 1 0 1 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 49 | 9 | R1: [68.4, 62.6] R2: [21.3, 69.7] R3: [95.0, 17.2] R4: [76.0, 85.1] R5: [72.0, 51.3] R6: [19.4, 77.9] R7: [61.4, 68.1] R8: [25.8, 17.7] R9: [15.7, 31.1] | 0 0 0 0 0 0 0 1 1 0 0 0 0 1 1 1 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 0 1 0 1 1 0 0 1 0 1 1 0 1 0 1 1 0 0 1 1 0 1 1 0 0 0 0 0 0 1 0 0 0 1 1 0 0 0 1 0 1 1 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 50 | 9 | R1: [89.3, 97.7] R2: [29.0, 13.1] R3: [64.7, 45.5] R4: [25.2, 35.6] R5: [74.8, 94.1] R6: [88.5, 61.0] R7: [42.6, 53.4] R8: [53.9, 45.8] R9: [97.3, 94.9] | 0 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 1 1 0 1 0 0 0 1 1 0 0 1 1 0 0 1 1 1 0 1 0 0 0 1 0 0 0 1 0 0 1 1 1 0 0 0 1 0 1 0 1 1 0 0 0 1 0 0 1 0 0 1 1 1 0 1 0 1 0 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

## Number of Agents: 10

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 1 | 10 | R1: [0.7, 62.9] R2: [46.6, 14.9] R3: [40.4, 33.4] R4: [99.9, 80.2] R5: [21.5, 6.3] R6: [67.9, 89.8] R7: [16.3, 39.3] R8: [78.1, 9.2] R9: [98.1, 45.9] R10: [99.5, 50.4] | 0 1 1 1 1 1 0 0 0 0 1 0 0 0 0 1 1 0 0 1 1 0 0 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 1 1 1 0 1 1 0 1 0 1 1 0 1 1 1 0 1 0 0 0 1 1 0 1 0 0 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0 0 0 1 1 1 1 1 1 0 1 0 1 0 1 0 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 2 | 10 | R1: [72.2, 79.5] R2: [10.4, 19.3] R3: [67.4, 66.3] R4: [66.1, 44.5] R5: [53.5, 15.2] R6: [6.7, 45.3] R7: [44.6, 36.0] R8: [18.6, 30.8] R9: [55.3, 99.7] R10: [70.8, 96.1] | 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 1 1 1 0 0 0 0 1 1 0 0 1 1 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 1 1 0 0 0 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 1 0 1 0 1 0 0 1 1 1 0 0 0 0 1 1 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 3 | 10 | R1: [97.4, 26.4] R2: [71.6, 84.8] R3: [41.8, 1.0] R4: [56.1, 60.0] R5: [75.1, 44.2] R6: [15.0, 44.4] R7: [1.4, 87.0] R8: [24.1, 61.6] R9: [68.5, 38.2] R10: [92.1, 60.1] | 0 0 0 0 0 0 0 0 0 1 0 0 1 1 0 1 0 1 1 1 0 1 0 1 0 0 0 0 0 1 0 1 1 0 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 1 1 1 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 1 1 1 0 1 1 1 1 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 4 | 10 | R1: [92.2, 11.3] R2: [88.2, 63.1] R3: [40.6, 82.0] R4: [60.9, 74.6] R5: [96.3, 8.0] R6: [6.3, 54.5] R7: [2.8, 98.1] R8: [18.7, 24.2] R9: [33.1, 54.7] R10: [5.8, 94.3] | 0 1 0 1 1 0 0 0 1 0 1 0 1 0 1 1 1 0 0 0 0 1 0 1 1 0 0 1 0 0 1 0 1 0 1 1 0 0 0 0 1 1 1 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 1 0 1 1 1 0 0 1 0 0 0 1 0 1 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 5 | 10 | R1: [80.5, 50.6] R2: [25.3, 74.4] R3: [24.4, 81.3] R4: [20.7, 3.1] R5: [7.2, 16.9] R6: [0.6, 33.3] R7: [59.7, 33.4] R8: [43.9, 30.5] R9: [67.8, 8.9] R10: [3.2, 21.5] | 0 0 0 0 1 0 0 1 1 0 0 0 0 1 1 0 0 1 0 0 0 0 0 1 1 0 1 1 1 0 0 1 1 0 0 1 0 0 1 1 1 1 1 0 0 1 1 0 0 0 0 0 0 1 1 0 0 1 0 0 0 0 1 0 1 0 0 1 0 1 1 1 1 0 0 1 1 0 1 0 1 0 1 1 0 0 0 1 0 0 0 0 0 1 0 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 6 | 10 | R1: [63.5, 45.4] R2: [14.7, 68.4] R3: [83.7, 58.1] R4: [50.5, 80.6] R5: [51.2, 39.0] R6: [96.7, 91.3] R7: [36.9, 5.0] R8: [80.2, 17.8] R9: [91.3, 47.0] R10: [22.7, 20.7] | 0 0 1 1 1 0 0 1 0 1 0 0 0 0 1 0 1 1 1 1 1 0 0 0 1 1 0 1 0 0 1 0 0 0 0 1 1 0 0 0 1 1 1 0 0 0 0 1 0 0 0 0 1 1 0 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 1 1 0 1 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 1 1 0 0 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 7 | 10 | R1: [33.3, 49.3] R2: [75.1, 28.3] R3: [81.7, 50.2] R4: [79.0, 54.8] R5: [36.3, 54.6] R6: [44.4, 87.9] R7: [84.5, 82.4] R8: [47.0, 57.0] R9: [52.0, 59.4] R10: [23.9, 87.0] | 0 1 1 1 0 0 1 1 1 0 1 0 0 0 0 0 0 1 0 0 1 0 0 1 0 1 1 0 0 1 1 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 1 1 0 0 1 1 1 1 1 0 1 0 1 1 0 1 0 1 1 1 0 0 0 1 1 0 0 1 1 0 0 1 0 1 0 0 0 0 0 0 1 0 1 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 8 | 10 | R1: [58.3, 66.6] R2: [1.4, 54.4] R3: [96.9, 31.1] R4: [44.0, 16.3] R5: [86.8, 71.0] R6: [11.2, 42.1] R7: [67.0, 68.7] R8: [6.2, 96.7] R9: [98.5, 15.3] R10: [13.2, 0.9] | 0 1 0 0 0 1 1 0 0 1 1 0 0 0 0 1 1 1 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0 0 1 1 0 1 1 0 1 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 9 | 10 | R1: [44.1, 73.2] R2: [91.0, 78.2] R3: [99.0, 32.9] R4: [2.6, 39.5] R5: [96.9, 98.4] R6: [63.3, 93.4] R7: [62.2, 75.9] R8: [72.8, 52.7] R9: [61.7, 71.6] R10: [13.7, 73.8] | 0 0 1 1 1 1 0 1 1 0 0 0 1 0 0 0 1 1 0 1 1 1 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 1 1 1 1 0 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 0 0 1 0 1 1 1 0 1 0 1 1 0 1 0 1 0 0 1 1 0 0 1 0 0 0 1 0 1 0 1 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 10 | 10 | R1: [87.2, 36.7] R2: [34.6, 31.3] R3: [77.7, 81.5] R4: [64.9, 9.5] R5: [60.9, 13.1] R6: [38.6, 99.1] R7: [66.9, 10.7] R8: [31.7, 77.1] R9: [58.9, 3.8] R10: [21.6, 96.4] | 0 1 1 1 0 1 0 0 1 1 1 0 1 1 1 1 1 0 0 1 1 1 0 1 0 0 1 0 0 0 1 1 1 0 0 1 1 0 0 1 0 1 0 0 0 0 1 1 0 1 1 1 0 1 0 0 0 0 0 1 0 1 1 1 1 0 0 1 0 0 0 0 0 0 1 0 1 0 0 0 1 0 0 0 0 0 0 0 0 1 1 1 0 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 11 | 10 | R1: [88.6, 58.4] R2: [72.3, 96.8] R3: [86.6, 19.8] R4: [94.3, 72.8] R5: [2.9, 75.1] R6: [47.6, 92.2] R7: [12.2, 77.2] R8: [11.9, 20.5] R9: [19.3, 10.0] R10: [64.3, 91.1] | 0 1 1 1 0 1 1 1 1 1 1 0 1 0 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 1 1 0 0 0 0 0 0 1 0 0 0 1 1 0 0 1 1 1 0 1 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 1 0 1 1 1 1 1 0 0 0 1 1 1 1 1 0 0 0 1 1 0 1 1 1 1 0 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 12 | 10 | R1: [12.2, 36.8] R2: [21.5, 23.6] R3: [85.6, 77.9] R4: [83.5, 50.1] R5: [87.2, 53.1] R6: [59.9, 58.9] R7: [51.5, 6.7] R8: [18.9, 16.0] R9: [7.4, 7.9] R10: [17.5, 9.7] | 0 1 1 1 0 0 1 0 0 0 1 0 1 0 1 1 0 1 0 0 1 1 0 1 1 0 1 0 1 1 1 0 1 0 1 1 0 0 0 1 0 1 1 1 0 1 0 1 0 1 0 1 0 1 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 1 0 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 0 1 1 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 13 | 10 | R1: [71.8, 99.0] R2: [62.6, 50.5] R3: [75.5, 41.4] R4: [72.6, 8.9] R5: [57.2, 18.6] R6: [86.7, 57.1] R7: [97.0, 76.7] R8: [90.3, 67.0] R9: [13.5, 63.4] R10: [71.9, 79.1] | 0 1 1 1 1 1 1 1 0 1 1 0 0 0 0 1 1 1 0 0 1 0 0 0 1 0 1 1 0 1 1 0 0 0 1 1 0 1 0 1 1 0 1 1 0 0 1 1 0 0 1 1 0 1 0 0 0 0 1 0 1 1 1 0 1 0 0 1 1 1 1 1 1 1 1 0 1 0 0 0 0 0 0 0 0 1 1 0 0 1 1 0 1 1 0 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 14 | 10 | R1: [8.1, 9.8] R2: [73.6, 81.8] R3: [57.5, 23.9] R4: [47.1, 19.6] R5: [17.4, 28.8] R6: [19.0, 55.0] R7: [64.8, 71.7] R8: [15.4, 96.6] R9: [12.3, 57.9] R10: [51.5, 78.2] | 0 1 1 1 1 0 0 0 1 1 1 0 0 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 1 0 1 0 0 1 1 1 1 1 1 0 0 0 0 0 0 1 1 0 0 1 0 1 0 0 1 0 0 0 0 0 1 1 0 1 0 0 0 0 0 1 0 1 1 0 0 0 1 1 1 1 1 1 1 0 0 1 0 1 1 1 0 1 0 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 15 | 10 | R1: [11.5, 58.7] R2: [39.0, 18.7] R3: [81.3, 42.1] R4: [15.9, 29.2] R5: [85.2, 14.7] R6: [27.1, 31.5] R7: [45.0, 49.3] R8: [39.3, 95.3] R9: [37.5, 23.3] R10: [15.2, 98.8] | 0 0 1 0 0 1 0 1 1 1 0 0 1 1 0 0 1 1 1 1 1 1 0 0 0 0 0 0 1 1 0 1 0 0 0 1 0 0 1 1 0 0 0 0 0 1 0 1 0 0 1 0 0 1 1 0 1 0 1 0 0 1 0 0 0 1 0 0 1 0 1 1 0 0 1 0 0 0 1 1 1 1 1 1 0 1 1 1 0 1 1 1 1 1 0 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 16 | 10 | R1: [27.8, 45.8] R2: [91.0, 42.0] R3: [59.5, 96.7] R4: [82.1, 90.8] R5: [54.3, 54.3] R6: [51.6, 22.5] R7: [71.5, 78.2] R8: [40.4, 69.5] R9: [87.9, 41.3] R10: [34.7, 82.2] | 0 1 0 1 1 1 1 0 0 0 1 0 1 1 0 0 1 0 1 0 0 1 0 1 0 0 0 0 0 1 1 1 1 0 1 0 0 1 0 1 1 0 0 1 0 0 0 0 1 1 1 0 0 0 0 0 0 1 0 0 1 1 0 0 0 0 0 1 1 1 0 0 0 1 0 1 1 0 1 1 0 1 0 0 1 0 1 1 0 0 0 0 1 1 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 17 | 10 | R1: [72.3, 20.1] R2: [50.0, 54.3] R3: [56.8, 79.6] R4: [30.9, 67.0] R5: [8.3, 89.7] R6: [7.7, 61.7] R7: [66.4, 1.2] R8: [34.2, 19.1] R9: [79.5, 40.5] R10: [18.0, 57.3] | 0 1 1 0 1 0 0 0 1 0 1 0 0 0 1 1 1 1 1 0 1 0 0 0 0 0 1 1 0 1 0 0 0 0 0 1 1 1 0 0 1 1 0 0 0 1 0 0 1 1 0 1 0 1 1 0 0 0 0 0 0 1 1 1 0 0 0 0 1 1 0 1 1 1 0 0 0 0 0 1 1 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 18 | 10 | R1: [61.8, 83.7] R2: [0.1, 53.7] R3: [97.8, 62.8] R4: [5.4, 21.6] R5: [64.7, 84.7] R6: [62.1, 17.1] R7: [81.5, 99.0] R8: [40.8, 12.6] R9: [61.0, 73.6] R10: [80.2, 83.3] | 0 0 1 1 0 0 0 1 0 0 0 0 1 1 1 1 0 1 1 1 1 1 0 0 1 0 1 0 1 1 1 1 0 0 1 0 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 1 0 0 1 0 1 1 1 0 0 0 1 0 1 1 0 1 1 1 1 1 0 1 0 1 1 0 0 1 0 1 1 1 1 1 1 0 0 0 0 1 1 1 1 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 19 | 10 | R1: [25.7, 96.0] R2: [54.2, 65.0] R3: [99.4, 66.5] R4: [61.2, 34.7] R5: [79.5, 7.5] R6: [43.7, 68.9] R7: [50.2, 32.0] R8: [46.5, 48.5] R9: [98.7, 26.9] R10: [56.1, 98.8] | 0 1 1 1 1 0 1 1 1 0 1 0 1 0 1 1 0 1 1 1 1 1 0 0 1 1 1 1 0 0 1 0 0 0 1 0 0 1 0 0 1 1 1 1 0 0 1 0 1 1 0 1 1 0 0 0 1 1 1 0 1 0 1 0 1 1 0 0 1 0 1 1 1 1 0 1 0 0 1 1 1 1 0 0 1 1 1 1 0 1 0 1 0 0 1 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 20 | 10 | R1: [41.0, 50.2] R2: [47.8, 98.7] R3: [21.4, 58.6] R4: [90.6, 23.7] R5: [6.5, 1.1] R6: [48.8, 82.6] R7: [75.0, 54.0] R8: [52.6, 66.9] R9: [14.4, 79.6] R10: [26.4, 99.9] | 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 0 1 1 1 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 0 1 1 1 1 0 1 1 1 0 0 1 1 0 1 1 0 0 0 0 0 1 0 1 1 0 1 0 1 1 1 0 1 0 1 1 0 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 21 | 10 | R1: [37.1, 66.0] R2: [89.1, 98.2] R3: [24.4, 95.7] R4: [38.4, 38.2] R5: [51.4, 17.5] R6: [44.5, 90.2] R7: [5.3, 39.7] R8: [40.0, 14.1] R9: [60.5, 37.9] R10: [26.2, 62.5] | 0 0 1 1 0 0 0 1 1 0 0 0 0 0 1 0 1 1 1 0 1 0 0 0 0 1 1 1 1 0 1 0 0 0 0 1 1 1 1 0 0 1 0 0 0 0 1 0 1 1 0 0 1 1 0 0 0 0 0 1 0 1 1 1 1 0 0 0 1 1 1 1 1 1 0 0 0 0 0 0 1 1 1 1 1 0 1 0 0 1 0 0 0 0 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 22 | 10 | R1: [20.6, 74.2] R2: [54.5, 3.9] R3: [69.9, 39.8] R4: [69.1, 31.6] R5: [55.5, 0.9] R6: [99.6, 12.5] R7: [82.0, 40.3] R8: [60.2, 60.0] R9: [20.6, 30.7] R10: [93.7, 80.5] | 0 1 1 1 0 1 1 0 1 0 1 0 0 0 0 1 0 1 1 1 1 0 0 0 1 0 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 0 0 0 1 0 0 1 1 0 1 0 0 1 0 0 1 1 0 1 0 0 1 0 0 0 1 0 1 1 1 1 0 0 0 1 1 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 23 | 10 | R1: [36.8, 13.0] R2: [94.3, 94.3] R3: [84.0, 54.1] R4: [82.5, 63.0] R5: [1.5, 17.0] R6: [25.8, 54.0] R7: [79.3, 86.7] R8: [97.9, 65.4] R9: [56.9, 61.8] R10: [97.9, 82.1] | 0 0 0 1 1 1 1 1 1 1 0 0 1 0 0 0 0 0 1 0 0 1 0 0 0 1 0 1 0 1 1 0 0 0 0 1 1 0 0 1 1 0 0 0 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 1 0 1 1 1 1 0 1 0 1 1 1 0 1 1 1 1 0 0 0 0 1 1 0 1 1 0 1 1 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 24 | 10 | R1: [99.2, 69.9] R2: [21.1, 43.8] R3: [93.3, 39.6] R4: [66.3, 57.8] R5: [78.0, 43.0] R6: [86.4, 54.4] R7: [17.7, 63.0] R8: [17.5, 65.8] R9: [26.1, 65.1] R10: [96.7, 56.4] | 0 1 1 1 1 1 1 1 1 1 1 0 1 0 0 0 1 0 0 0 1 1 0 1 0 0 1 1 0 1 1 0 1 0 0 1 0 0 1 0 1 0 0 0 0 1 0 0 0 0 1 0 0 1 1 0 1 0 1 0 1 1 1 0 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 25 | 10 | R1: [53.8, 6.6] R2: [61.7, 17.7] R3: [8.2, 39.2] R4: [76.3, 25.2] R5: [51.4, 21.6] R6: [93.1, 36.2] R7: [89.4, 8.0] R8: [60.5, 47.4] R9: [80.0, 56.8] R10: [86.2, 34.3] | 0 0 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 1 0 0 1 1 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 1 1 1 1 0 0 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 0 0 0 0 0 0 1 1 1 0 0 1 0 1 0 1 1 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 26 | 10 | R1: [34.0, 77.5] R2: [17.0, 36.6] R3: [76.7, 96.8] R4: [2.9, 84.2] R5: [42.2, 89.5] R6: [66.9, 27.7] R7: [24.0, 91.3] R8: [65.9, 59.0] R9: [73.5, 93.2] R10: [59.2, 55.4] | 0 0 1 1 1 0 1 0 1 0 0 0 0 1 1 0 1 0 0 1 1 0 0 0 0 1 1 0 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 0 1 1 0 0 0 0 0 1 1 1 0 1 1 0 1 1 1 1 0 1 1 0 1 1 0 0 0 0 1 0 1 1 0 1 1 1 0 1 1 0 0 1 1 0 1 0 1 0 0 0 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 27 | 10 | R1: [62.6, 58.2] R2: [13.5, 4.0] R3: [10.1, 8.5] R4: [35.6, 39.3] R5: [64.9, 6.8] R6: [88.6, 75.8] R7: [93.3, 34.4] R8: [84.4, 53.9] R9: [33.8, 51.0] R10: [13.8, 82.1] | 0 0 0 0 0 1 0 1 0 1 0 0 0 0 1 1 1 0 1 0 0 0 0 1 1 1 1 1 0 1 0 0 1 0 1 0 0 0 1 0 0 1 1 1 0 1 0 0 1 1 1 1 1 0 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 0 0 1 1 0 1 0 1 1 0 0 1 0 1 1 0 1 0 1 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 28 | 10 | R1: [23.2, 91.0] R2: [49.6, 69.2] R3: [31.1, 72.6] R4: [13.0, 35.5] R5: [33.8, 87.3] R6: [45.4, 2.3] R7: [93.2, 82.7] R8: [86.5, 92.3] R9: [99.2, 84.9] R10: [70.8, 80.2] | 0 0 1 0 1 0 1 1 0 0 0 0 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 1 0 1 1 1 0 0 1 1 1 1 1 0 0 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 1 0 1 0 1 0 1 1 1 1 0 0 0 0 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 1 1 1 0 0 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 29 | 10 | R1: [66.1, 11.2] R2: [98.3, 93.1] R3: [73.5, 48.8] R4: [34.2, 11.1] R5: [67.7, 19.4] R6: [78.3, 65.7] R7: [18.6, 69.1] R8: [85.9, 14.9] R9: [20.8, 98.2] R10: [53.8, 64.4] | 0 1 0 1 0 0 0 0 1 1 1 0 1 0 0 0 1 1 0 0 0 1 0 1 0 1 0 0 1 1 1 0 1 0 0 1 1 1 0 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 0 1 1 0 0 1 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 0 1 1 0 1 1 0 1 1 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 30 | 10 | R1: [88.2, 37.0] R2: [60.0, 56.9] R3: [27.1, 8.8] R4: [35.7, 56.8] R5: [94.4, 54.2] R6: [28.2, 83.2] R7: [83.7, 68.4] R8: [81.9, 50.9] R9: [35.2, 76.6] R10: [61.5, 92.1] | 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 0 1 0 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 0 1 1 1 0 0 0 1 0 0 0 1 1 0 1 1 1 1 0 1 1 0 1 1 1 1 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 1 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 31 | 10 | R1: [36.8, 24.2] R2: [73.7, 23.1] R3: [5.3, 57.1] R4: [71.3, 39.6] R5: [16.6, 84.2] R6: [56.1, 74.5] R7: [2.9, 35.4] R8: [43.3, 87.9] R9: [56.1, 17.1] R10: [44.7, 86.9] | 0 1 1 0 1 1 0 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 1 0 1 0 0 1 0 1 1 1 0 1 0 0 0 1 1 0 1 1 1 0 0 0 0 1 1 0 0 0 1 0 0 0 0 1 1 0 1 0 1 1 1 1 1 0 1 1 0 1 1 0 1 1 1 1 0 1 1 1 0 1 0 0 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 32 | 10 | R1: [96.1, 33.2] R2: [3.7, 18.5] R3: [73.7, 85.2] R4: [17.1, 9.9] R5: [71.8, 16.4] R6: [75.5, 51.2] R7: [86.4, 30.6] R8: [51.7, 86.3] R9: [91.9, 70.4] R10: [19.9, 58.4] | 0 0 0 0 1 0 0 0 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 1 1 0 1 1 0 1 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 1 1 0 1 0 0 1 1 0 1 1 0 0 1 0 0 0 1 0 0 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 33 | 10 | R1: [98.5, 52.4] R2: [13.4, 29.0] R3: [53.1, 54.3] R4: [1.6, 99.8] R5: [77.6, 32.9] R6: [1.3, 68.8] R7: [58.8, 43.1] R8: [68.5, 92.9] R9: [32.2, 59.7] R10: [41.4, 26.2] | 0 1 0 1 1 0 0 0 0 0 1 0 1 0 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 0 0 1 1 0 1 0 0 1 0 1 1 0 0 0 1 1 0 0 0 0 1 0 0 0 1 1 0 0 1 0 0 0 0 0 1 1 0 0 0 1 1 1 1 1 0 0 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 34 | 10 | R1: [8.0, 16.3] R2: [92.5, 25.2] R3: [77.0, 37.3] R4: [69.4, 95.4] R5: [53.3, 59.9] R6: [77.4, 92.8] R7: [30.3, 79.2] R8: [0.3, 27.3] R9: [8.6, 97.2] R10: [68.0, 15.6] | 0 1 0 0 0 0 0 1 1 1 1 0 1 1 0 0 1 1 0 0 0 1 0 0 0 0 1 1 1 0 0 1 0 0 1 1 1 0 0 0 0 0 0 1 0 1 1 1 0 0 0 0 0 1 1 0 0 1 1 0 0 1 1 1 1 0 0 1 0 0 1 1 1 0 1 1 1 0 0 0 1 0 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 35 | 10 | R1: [68.0, 89.5] R2: [7.5, 84.9] R3: [3.4, 34.8] R4: [96.0, 79.4] R5: [34.8, 1.6] R6: [68.3, 19.4] R7: [75.4, 35.7] R8: [35.4, 76.6] R9: [46.6, 12.2] R10: [52.6, 4.9] | 0 0 0 0 1 1 1 1 0 0 0 0 1 1 0 0 0 0 0 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 1 1 1 0 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 1 0 1 0 1 1 0 0 1 0 1 0 0 0 0 0 1 1 1 1 0 0 0 1 1 0 1 0 0 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 36 | 10 | R1: [55.0, 77.6] R2: [79.1, 66.0] R3: [85.1, 80.2] R4: [13.7, 84.8] R5: [17.0, 84.8] R6: [7.0, 53.0] R7: [58.3, 57.7] R8: [5.9, 74.9] R9: [85.9, 58.8] R10: [16.2, 85.3] | 0 1 1 1 0 1 0 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 0 0 1 1 0 1 1 0 0 0 0 0 1 1 1 1 1 1 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 1 0 1 0 0 1 0 1 1 1 0 1 0 1 1 1 1 1 1 0 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 37 | 10 | R1: [88.5, 59.5] R2: [42.3, 89.4] R3: [92.5, 94.9] R4: [41.1, 20.7] R5: [7.7, 94.3] R6: [35.0, 96.8] R7: [1.7, 45.4] R8: [69.3, 48.7] R9: [54.3, 2.6] R10: [99.3, 50.0] | 0 1 0 0 1 0 0 0 1 0 1 0 0 1 0 1 0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 1 1 0 0 1 1 1 0 0 1 0 0 0 0 1 1 0 1 1 0 1 1 1 1 0 0 0 0 0 0 0 0 1 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 1 0 0 0 1 0 0 1 0 0 0 1 1 0 1 0 1 0 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 38 | 10 | R1: [23.9, 48.9] R2: [44.9, 70.6] R3: [86.1, 9.6] R4: [96.0, 64.8] R5: [73.5, 1.2] R6: [7.0, 97.4] R7: [96.4, 8.2] R8: [21.6, 86.9] R9: [36.8, 82.0] R10: [13.6, 5.0] | 0 1 1 0 1 1 1 0 1 0 1 0 0 0 1 1 0 0 0 0 1 0 0 1 0 0 0 1 1 1 0 0 1 0 1 1 0 1 1 1 1 1 0 1 0 1 1 0 0 1 1 1 0 1 1 0 0 1 1 1 1 0 0 0 1 0 0 0 0 0 0 0 1 1 0 1 0 0 0 1 1 0 1 1 0 1 0 0 0 0 0 0 1 1 1 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 39 | 10 | R1: [59.4, 98.2] R2: [8.4, 94.3] R3: [94.0, 75.7] R4: [31.8, 88.1] R5: [46.0, 28.5] R6: [41.7, 13.0] R7: [37.6, 59.5] R8: [16.4, 94.5] R9: [91.3, 63.4] R10: [66.6, 20.2] | 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 1 1 0 1 0 1 1 1 1 1 0 1 0 1 0 1 0 0 0 1 1 0 1 1 0 0 1 0 1 0 0 1 0 1 0 0 0 0 0 1 1 1 1 0 1 1 1 1 1 0 0 0 0 1 0 1 0 0 0 1 1 0 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 40 | 10 | R1: [34.4, 94.0] R2: [89.5, 10.8] R3: [38.2, 97.0] R4: [92.4, 13.6] R5: [96.8, 69.8] R6: [69.2, 75.1] R7: [10.9, 96.1] R8: [26.2, 28.7] R9: [68.2, 24.9] R10: [24.5, 42.0] | 0 1 1 1 1 1 1 1 0 0 1 0 1 1 1 0 0 0 1 0 1 1 0 1 1 1 1 0 1 1 1 1 1 0 0 1 0 0 1 0 1 1 1 0 0 0 1 1 1 1 1 0 1 1 0 0 1 1 0 1 1 0 1 0 1 1 0 1 0 0 1 0 0 0 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 0 0 1 0 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 41 | 10 | R1: [76.7, 29.2] R2: [97.2, 94.3] R3: [52.3, 36.5] R4: [86.2, 38.4] R5: [72.3, 53.1] R6: [89.1, 91.0] R7: [25.7, 71.7] R8: [41.5, 23.3] R9: [21.4, 28.6] R10: [91.9, 70.2] | 0 1 1 0 0 0 1 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 0 1 1 1 0 0 1 0 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 0 0 1 1 1 1 1 1 0 0 0 0 1 0 1 0 0 0 0 0 0 0 1 1 1 1 1 0 1 1 1 1 0 0 0 0 0 1 0 1 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 42 | 10 | R1: [88.8, 78.1] R2: [43.8, 73.1] R3: [12.3, 13.1] R4: [12.3, 2.9] R5: [41.7, 81.6] R6: [65.2, 26.6] R7: [79.1, 3.5] R8: [31.0, 49.1] R9: [78.8, 75.9] R10: [2.1, 75.0] | 0 1 1 0 1 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 0 1 0 1 1 0 1 1 0 0 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 0 0 0 1 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 43 | 10 | R1: [50.1, 7.6] R2: [65.0, 71.8] R3: [79.4, 79.0] R4: [62.8, 6.8] R5: [31.2, 60.2] R6: [24.9, 16.7] R7: [7.7, 26.4] R8: [89.4, 11.7] R9: [92.4, 0.7] R10: [70.3, 60.7] | 0 0 1 1 1 1 0 1 1 1 0 0 1 1 1 1 1 0 0 0 1 1 0 1 1 0 0 1 0 1 1 1 1 0 1 1 0 1 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 1 0 0 1 1 1 0 0 1 0 0 0 1 0 0 0 0 1 0 1 1 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 0 1 0 1 0 0 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 44 | 10 | R1: [73.7, 41.7] R2: [98.5, 90.1] R3: [26.4, 80.6] R4: [85.7, 43.9] R5: [34.0, 2.6] R6: [95.9, 79.4] R7: [29.0, 4.8] R8: [26.8, 44.1] R9: [86.3, 86.1] R10: [95.3, 67.4] | 0 1 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0 0 0 0 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 1 0 0 0 1 0 1 1 1 0 0 0 1 0 1 1 1 0 1 0 0 1 0 1 1 1 1 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 45 | 10 | R1: [46.0, 95.5] R2: [56.0, 35.4] R3: [56.5, 78.4] R4: [5.7, 36.7] R5: [71.8, 5.4] R6: [10.5, 24.0] R7: [57.5, 2.3] R8: [31.3, 76.8] R9: [80.0, 10.2] R10: [51.6, 58.3] | 0 1 0 0 1 1 1 1 1 1 1 0 0 0 1 1 1 1 0 1 0 0 0 0 1 0 1 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 0 0 0 1 0 1 1 1 0 1 0 0 1 1 1 1 1 1 1 1 0 1 0 1 1 1 1 1 1 1 1 1 1 0 1 0 1 0 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 46 | 10 | R1: [51.2, 65.5] R2: [57.9, 88.7] R3: [98.5, 82.6] R4: [26.4, 53.8] R5: [26.3, 21.8] R6: [25.5, 13.2] R7: [98.4, 27.7] R8: [63.5, 38.3] R9: [2.7, 48.0] R10: [20.1, 69.5] | 0 1 0 1 1 0 1 1 0 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 1 1 1 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 1 0 0 1 1 1 1 1 0 0 1 1 1 0 1 1 0 1 1 0 1 1 1 1 0 0 1 1 1 1 1 0 1 1 0 0 0 1 0 0 1 1 1 0 1 0 0 1 0 1 0 0 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 47 | 10 | R1: [99.0, 11.5] R2: [17.9, 70.3] R3: [1.3, 74.0] R4: [77.7, 67.6] R5: [42.2, 3.8] R6: [64.4, 92.7] R7: [83.2, 81.0] R8: [19.2, 69.0] R9: [80.7, 32.3] R10: [92.6, 8.7] | 0 1 0 0 1 0 1 1 1 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 0 1 0 0 0 1 0 1 1 0 1 0 0 0 0 1 0 0 1 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 1 1 1 1 0 1 0 0 0 1 0 1 1 1 0 1 1 1 1 1 1 0 0 1 0 1 0 0 0 1 1 0 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 48 | 10 | R1: [87.3, 17.1] R2: [73.2, 56.9] R3: [83.7, 89.0] R4: [75.6, 21.5] R5: [52.2, 71.9] R6: [34.2, 66.0] R7: [64.0, 2.4] R8: [58.7, 18.6] R9: [18.3, 15.3] R10: [12.9, 60.7] | 0 0 1 0 1 0 1 1 1 1 0 0 1 1 1 0 1 0 1 0 1 1 0 1 0 1 0 1 1 0 0 1 1 0 1 0 0 1 0 1 1 1 0 1 0 0 1 1 0 1 0 0 1 0 0 0 1 1 0 1 1 1 0 0 1 1 0 1 0 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 0 0 0 1 0 1 1 0 0 1 1 1 1 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

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| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 49 | 10 | R1: [43.6, 72.5] R2: [53.0, 85.7] R3: [26.1, 26.3] R4: [85.4, 21.1] R5: [84.6, 73.3] R6: [12.2, 32.9] R7: [97.8, 47.5] R8: [70.9, 21.0] R9: [39.3, 20.2] R10: [58.7, 74.8] | 0 1 0 0 0 0 0 1 0 1 1 0 0 1 1 1 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 1 1 0 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 0 0 1 0 0 1 0 0 1 1 1 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 0 0 0 0 1 1 1 1 0 0 0 1 1 0 0 0 0 1 0 0 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Number of Agents | Agent Positions | Adjacency Matrix | Task Positions |
| 50 | 10 | R1: [70.4, 65.6] R2: [18.3, 7.6] R3: [90.4, 14.1] R4: [44.8, 34.5] R5: [76.5, 12.8] R6: [26.2, 46.2] R7: [31.7, 95.6] R8: [6.5, 38.9] R9: [28.7, 70.6] R10: [6.7, 38.5] | 0 0 0 1 1 1 0 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 1 1 1 1 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 1 0 0 1 1 1 0 1 0 1 0 1 1 1 1 0 1 1 0 0 1 0 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 1 1 0 0 0 1 0 0 0 0 1 1 0 1 1 0 | T1: [78, 13] T2: [39, 94] T3: [24, 76] T4: [40, 57] T5: [10, 5] |