

## Simulation 1

	1	2	3	4	5
1	Grid Index 0	Grid Index 1 <b>Food: 500</b>	Grid Index 2	Grid Index 3	Grid Index 4
2	Grid Index 5	Grid Index 6	Grid Index 7	Grid Index 8 <b>Nest Ants: 5</b>	Grid Index 9 <b>Food: 500</b>
3	Grid Index 10 <b>Food: 500</b>	Grid Index 11	Grid Index 12	Grid Index 13	Grid Index 14
4	Grid Index 15	Grid Index 16	Grid Index 17	Grid Index 18	Grid Index 19
5	Grid Index 20	Grid Index 21	Grid Index 22	Grid Index 23	Grid Index 24

## Simulation Parameters

	Simulation 1	Simulation 2	Simulation 3	Simulation 4
Starting Number of Nests	1	1	1	2
Number of Rows	5	5	10	10
Number of Columns	5	5	10	10
Starting Amount of Food in Nest	500	500	500	500
Starting Number of Food Cells	3	3	3	3
Starting Number of Ants in Nest	5	5	9	6
Strength of New Pheromones	1000	1000	1000	1000
Pheromone Decay Rate	50	100	25	25