# Protocol for part_a_scenario_3

1. About the scenario:

Third scenario  goes more into detail in exploring the influence of different agent's parameters
on the bidding possibilites. In the 7x7 wgrid four agents are placed in four corners of the grid
while the task is in the middle on the grid. Differently parametrized agents compete to offer the
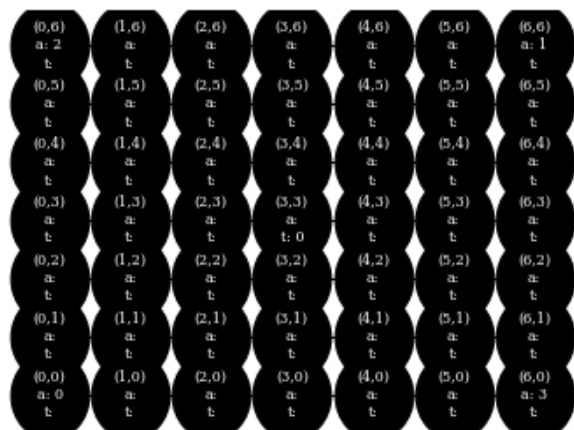best bid for that task.

2. Tasks used in the scenario:

```
+----+------+-----------------+
| id | time | target position |
+----+------+-----------------+
| 0  | 0    |      (3, 3)     |
+----+------+-----------------+
```

3.Agents used in the scenario:

```
+----+----------+-------------+----------+-----------+-------+
| id | position | preferences | capacity | rest time | speed |
+----+----------+-------------+----------+-----------+-------+
| 0  |  (0, 0)  |     [0]     |    3     |     1     |   1   |
| 1  |  (6, 6)  |     [0]     |    2     |     1     |   2   |
| 2  |  (6, 0)  |     [0]     |    3     |     2     |   2   |
| 3  |  (0, 6)  |     [0]     |    4     |     1     |   1   |
+----+----------+-------------+----------+-----------+-------+
```

4. grid world used in the scenario:

## 5. Actual results:

| Step | Task | A nr. 0 offers: | A nr. 1 offers: | A nr. 2 offers: | A nr. 3 offers: |
|------|------|-----------------|-----------------|-----------------|-----------------|
| 0 | 0 | 7 | 4 | 3 | 7 |
| 1 | 0 | 7 | 4 | 3 | 7 |
| 2 | 0 | 7 | 4 | 3 | 7 |

Task nr 0 contracted to: Agent nr 2