

Protocol for part_b_scenario_1

1. About the scenario:

In this scenario we aim to construct a situation, where at least 3 rounds of bidding are needed to find an unequivocal contractor. For this purpose we defined a 5x5 grid world with 2 agents placed in the bottom corners of the grid. There are 3 tasks to be done, nr 0 and 1 at time 0, and task nr 2 at time 1. First both agents give offers for tasks 0 and 1. Rejection in case of task 0 for agent 1 means, that he can offer a better bid for task nr. 1. This results in pre rejection of bid for task 1 for agent 0.

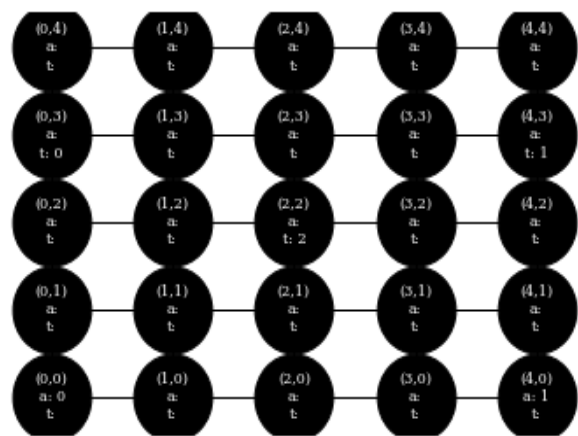
2. Tasks used in the scenario:

id	time	target position
0	0	(3, 0)
1	0	(3, 4)
2	1	(2, 2)

3. Agents used in the scenario:

id	position	preferences	capacity	rest time	speed
0	(0, 0)	[2, 0, 1]	2	1	1
1	(0, 4)	[2, 0, 1]	2	1	1

4. grid world used in the scenario:



5. Actual results:

Step	Task	A nr. 0 offers:	A nr. 1 offers:
0	0	4	10
0	1	10	16
1	0	4	10
1	1	10	10
1	2	5	5
2	0	4	10
2	1	10	4
2	2	5	5
3	0	4	10
3	1	10	4
3	2	5	5

Task nr 0 contracted to: Agent nr 0
Task nr 1 contracted to: Agent nr 0
Task nr 2 contracted to: Agent nr 0