

	<i>Human</i>	<i>Robot</i>	Pseudorandom	Model checking TA	BDI agents
Cooperative Manufacturing Assistant (160 tests per method)					
1	4 legs	$GPL = (1, 1, 1)$ for at least 1 leg	0	24	24
2	4 legs	$GPL \neq (1, 1, 1)$ for at least 1 leg	0	30	31
3	4 legs and bored	Timed out at least once	2	43	32
4	3 legs	$GPL = (1, 1, 1)$ for at least 1 leg	0	20	12
5	3 legs	$GPL \neq (1, 1, 1)$ for at least 1 leg	7	38	22
6	3 legs and bored	Timed out at least once	10	38	27
7	2 legs	$GPL = (1, 1, 1)$ for at least 1 leg	2	13	5
8	2 legs	$GPL \neq (1, 1, 1)$ for at least 1 leg	6	28	10
9	2 legs and bored	Timed out at least once	9	11	7
10	1 leg	$GPL = (1, 1, 1)$	14	11	9
11	1 leg	$GPL \neq (1, 1, 1)$	10	14	14
12	1 leg	Timed out	10	2	1
13	1 to 4 legs	Always timed out	72	38	75
14	No leg or bored	Always timed out	62	2	3
Home Care Assistant (50 tests per method)					
1	At least 1 <i>feed</i>	At least 1 <i>feed</i>	5	9	6
2	At least 1 <i>clean</i>	At least 1 <i>clean</i>	14	3	14
3	At least 1 <i>fridge</i>	At least 1 <i>fridge</i>	4	12	4
4	At least 1 <i>sink</i>	At least 1 <i>sink</i>	8	2	9
5	At least 2 <i>feed</i> or <i>clean</i>	At least 2 <i>feed</i> or <i>clean</i>	5	22	5
6	Other commands	Idle	13	2	12