

TOY ROBOT SIMULATOR TEST CASES

SEQUENCE NUMBER	COMMANDS	EXPECTED OUTPUT	ACTUAL OUTPUT
1	PLACE 0,0,NORTH	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	LEFT	NONE	NONE
	REPORT	0,2,WEST	0,2,WEST
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	REPORT	0,2,WEST	0,2,WEST
	RIGHT	NONE	NONE
	RIGHT	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	REPORT	4,2,EAST	4,2,EAST
2	PLACE 4,0,WEST	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	RIGHT	NONE	NONE
	REPORT	0,0,NORTH	0,0,NORTH
	MOVE	NONE	NONE
	MOVE	NONE	NONE

	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	RIGHT	NONE	NONE
	REPORT	0,4,EAST	0,4,EAST
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	RIGHT	NONE	NONE
	REPORT	4,4,SOUTH	4,4,SOUTH
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	RIGHT	NONE	NONE
	REPORT	4,0,WEST	4,0,WEST
3	place 4,0,north	NONE	NONE
	move	NONE	NONE
	left	NONE	NONE
	report	4,1,WEST	4,1,WEST
	move	NONE	NONE
	left	NONE	NONE
	report	3,1,SOUTH	3,1,SOUTH
	move	NONE	NONE
	left	NONE	NONE
	report	3,0,EAST	3,0,EAST

	move	NONE	NONE
	left	NONE	NONE
	report	4,0,NORTH	4,0,NORTH
	exit	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
4	place 4,0,north	NONE	NONE
	move	NONE	NONE
	left	NONE	NONE
	move	NONE	NONE
	report	3,1,WEST	3,1,WEST
	right	NONE	NONE
	move	NONE	NONE
	report	3,2,NORTH	3,2,NORTH
	left	NONE	NONE
	move	NONE	NONE
	report	2,2,WEST	2,2,WEST
	right	NONE	NONE
	move	NONE	NONE
	report	2,3,NORTH	2,3,NORTH
	left	NONE	NONE
	move	NONE	NONE
	report	1,3,WEST	1,3,WEST
	right	NONE	NONE
	move	NONE	NONE
	report	1,4,NORTH	1,4,NORTH
	left	NONE	NONE
	move	NONE	NONE
	report	0,4,WEST	0,4,WEST
5	PLACE	Warning: Command not recognized. Please enter a valid command (Refer from list above)	Warning: Command not recognized. Please enter a valid command (Refer from list above)
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!

6	LEFT	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.
	MOVE	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.
	RIGHT	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.
	REPORT	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.	Warning: Toy Robot is not placed on the table. Please use a valid Place command to place it on table.
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
7	PLACE 4,0,NORTH	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	LEFT	NONE	NONE
	REPORT	4,4,WEST	4,4,WEST
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	LEFT	NONE	NONE
	REPORT	0,4,SOUTH	0,4,SOUTH
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE

	MOVE	NONE	NONE
	LEFT	NONE	NONE
	REPORT	0,0,EAST	0,0,EAST
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	REPORT	4,0,EAST	4,0,EAST
	LEFT	NONE	NONE
	REPORT	4,0,NORTH	4,0,NORTH
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
8	PLACE 0,0,NORTH	NONE	NONE
	MOVE	NONE	NONE
	RIGHT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	1,1,EAST	1,1,EAST
	LEFT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	1,2,NORTH	1,2,NORTH
	RIGHT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	2,2,EAST	2,2,EAST
	LEFT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	2,3,NORTH	2,3,NORTH
	RIGHT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	3,3,EAST	3,3,EAST
	LEFT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	3,4,NORTH	3,4,NORTH
	RIGHT	NONE	NONE

	MOVE	NONE	NONE
	REPORT	4,4,EAST	4,4,EAST
	LEFT	NONE	NONE
	MOVE	Warning: Toy Robot cannot be moved forward, because it will fall off the table	Warning: Toy Robot cannot be moved forward, because it will fall off the table
	REPORT	4,4,NORTH	4,4,NORTH
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
9	PLACE 40,100,NORTH	Warning: Place command not recognized. Please enter a valid Place command (Refer from list above)	Warning: Place command not recognized. Please enter a valid Place command (Refer from list above)
	PLACE 4.0,1.00,NORTH	NONE	NONE
	REPORT	4,1,NORTH	4,1,NORTH
	PLACE -1,-1,NORTH	Warning: Command not recognized. Please enter a valid command (Refer from list above)	Warning: Command not recognized. Please enter a valid command (Refer from list above)
	REPORT	4,1,NORTH	4,1,NORTH
10	PLACE 2,0,NORTH	NONE	NONE
	MOVE	NONE	NONE
	LEFT	NONE	NONE
	REPORT	2,1,WEST	2,1,WEST
	MOVE	NONE	NONE
	RIGHT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	1,2,NORTH	1,2,NORTH
	LEFT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	0,2,WEST	0,2,WEST
	RIGHT	NONE	NONE
	RIGHT	NONE	NONE
	REPORT	0,2,EAST	0,2,EAST
	MOVE	NONE	NONE

REPORT	1,2,EAST	1,2,EAST
LEFT	NONE	NONE
MOVE	NONE	NONE
REPORT	1,3,NORTH	1,3,NORTH
RIGHT	NONE	NONE
MOVE	NONE	NONE
REPORT	2,3,EAST	2,3,EAST
LEFT	NONE	NONE
MOVE'	Warning: Command not recognized. Please enter a valid command (Refer from list above)	Warning: Command not recognized. Please enter a valid command (Refer from list above)
MOVE	NONE	NONE
REPORT	2,4,NORTH	2,4,NORTH
LEFT	NONE	NONE
LEFT	NONE	NONE
REPORT	2,4,SOUTH	2,4,SOUTH
MOVE	NONE	NONE
LEFT	NONE	NONE
MOVE	NONE	NONE
REPORT	3,3,EAST	3,3,EAST
RIGHT	NONE	NONE
MOVE	NONE	NONE
REPORT	3,2,SOUTH	3,2,SOUTH
LEFT	NONE	NONE
MOVE	NONE	NONE
REPORT	4,2,EAST	4,2,EAST
LEFT	NONE	NONE
LEFT	NONE	NONE
REPORT	4,2,WEST	4,2,WEST
MOVE	NONE	NONE
LEFT	NONE	NONE
MOVE	NONE	NONE
REPORT	3,1,SOUTH	3,1,SOUTH

	RIGHT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	2,1,WEST	2,1,WEST
	LEFT	NONE	NONE
	MOVE	NONE	NONE
	REPORT	2,0,SOUTH	2,0,SOUTH
	LEFT	NONE	NONE
	LEFT	NONE	NONE
	REPORT	2,0,NORTH	2,0,NORTH
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
11	PLACE 1,2,DOUTH	Warning: Command not recognized. Please enter a valid command (Refer from list above)	Warning: Command not recognized. Please enter a valid command (Refer from list above)
	PLACE 1,2 SOUTH	Warning: Command not recognized. Please enter a valid command (Refer from list above)	Warning: Command not recognized. Please enter a valid command (Refer from list above)
	PLACE 1 2 SOUTH	Warning: Command not recognized. Please enter a valid command (Refer from list above)	Warning: Command not recognized. Please enter a valid command (Refer from list above)
	PLACE 1,2,SOUTH	NONE	NONE
	REPORT	1,2,SOUTH	1,2,SOUTH
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
12	PLACE 0,0,NORTH	NONE	NONE
	LEFT	NONE	NONE
	REPORT	0,0,WEST	0,0,WEST
	LEFT	NONE	NONE
	REPORT	0,0,SOUTH	0,0,SOUTH
	LEFT	NONE	NONE
	REPORT	0,0,EAST	0,0,EAST
	LEFT	NONE	NONE
	REPORT	0,0,NORTH	0,0,NORTH

	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
13	PLACE 0,0,NORTH	NONE	NONE
	RIGHT	NONE	NONE
	REPORT	0,0,EAST	0,0,EAST
	RIGHT	NONE	NONE
	REPORT	0,0,SOUTH	0,0,SOUTH
	RIGHT	NONE	NONE
	REPORT	0,0,WEST	0,0,WEST
	RIGHT	NONE	NONE
	REPORT	0,0,NORTH	0,0,NORTH
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!
14	PLACE 2,2,NORTH	NONE	NONE
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	REPORT	2,4,NORTH	2,4,NORTH
	PLACE 2,2,SOUTH	NONE	NONE
	REPORT	2,2,SOUTH	2,2,SOUTH
	MOVE	NONE	NONE
	MOVE	NONE	NONE
	REPORT	2,0,SOUTH	2,0,SOUTH
	EXIT	Thanks for playing toy robot simulator!!!	Thanks for playing toy robot simulator!!!

(* NONE – denotes nothing gets printed on Terminal)