

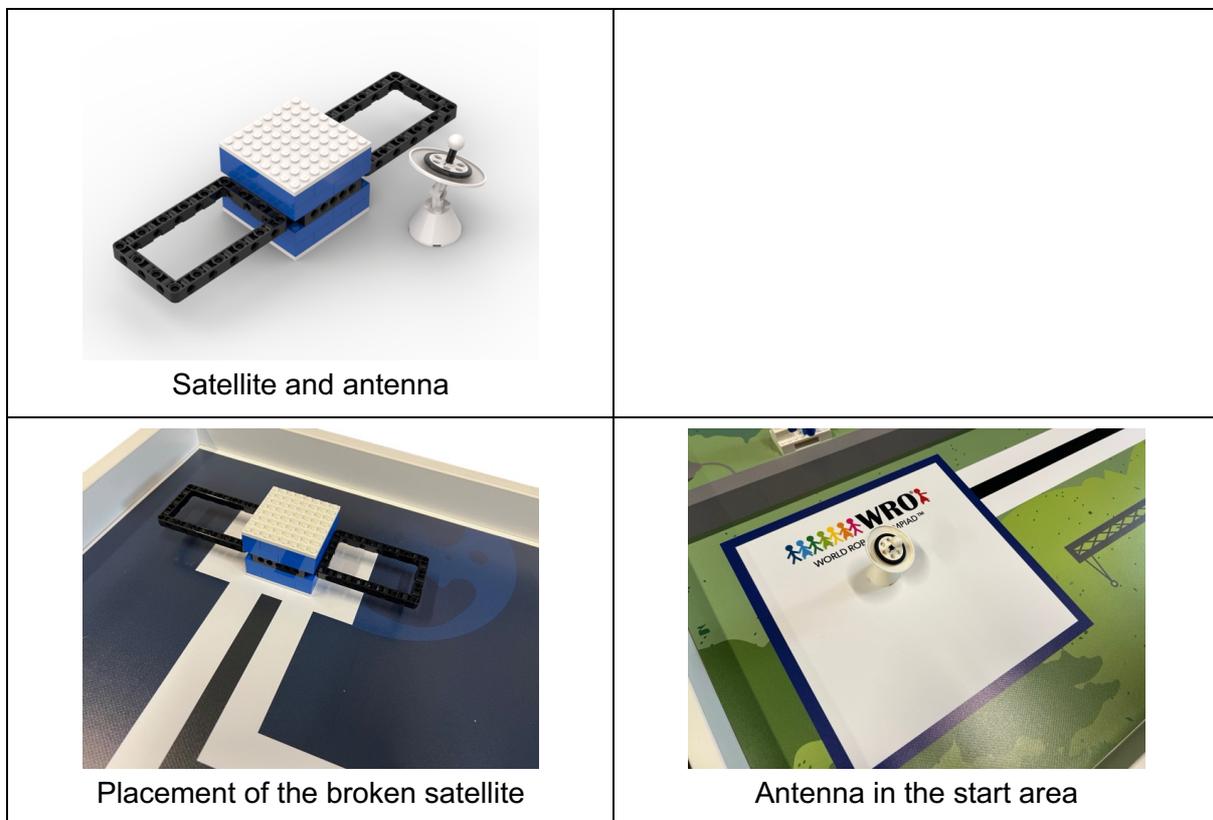
World Robot Olympiad 2025 RoboMission – Elementary

Extra-Task “Broken Satellite” for the International Final published on October 9th 2025

*It is not necessary to solve this extra challenge to participate in the International Final,
but it will always be placed on the game field!*

A broken satellite is placed on the free area in the top left corner of the game field. The satellite has lost its antenna and needs a new one. At the beginning, the new antenna starts in the start area and can be placed on the robot.

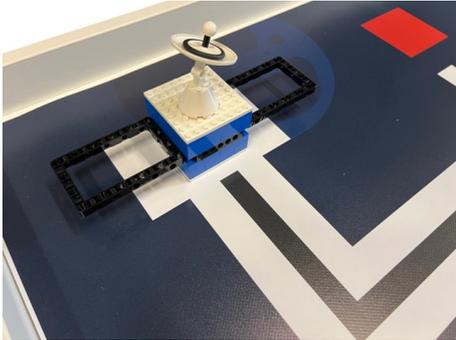
The antenna does not count towards the size restrictions of the robot. The antenna needs to be placed on top of the broken satellite (on top of the white plates).



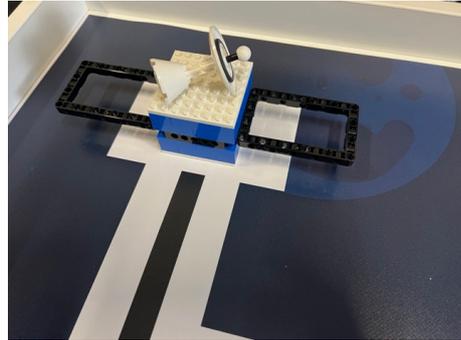
Additional scoring lines will be added to the scoring sheet:

Extra-Task: Fix broken satellite		
Antenna is placed on top of the broken satellite	15	15
New maximum score		170

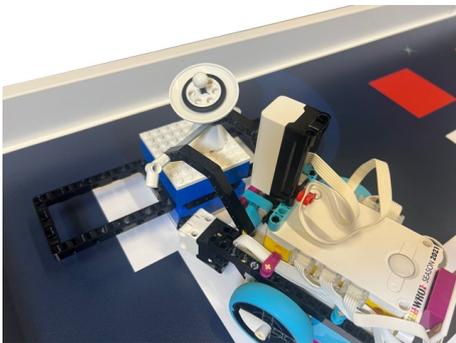
Scoring Interpretation



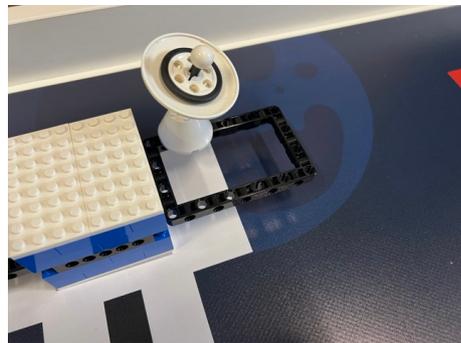
15 points
(antenna is on top of satellite)



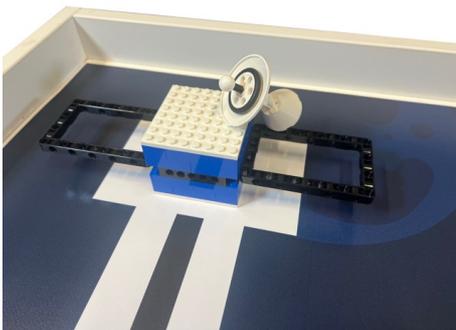
15 points
(antenna is on top of satellite)



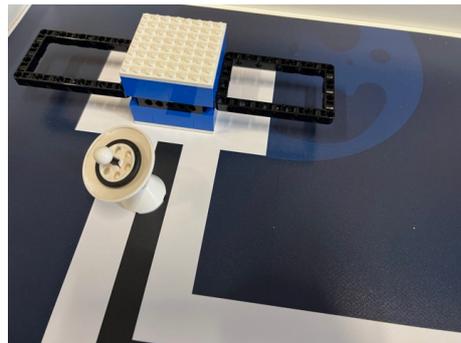
15 points
(robot is allowed to touch the antenna)



0 points
(antenna placed on wing)



0 points
(antenna not fully on top of satellite)



0 points
(antenna not on satellite)

New Full Scoring Sheet

Team name: _____

Round: _____

Tasks	Each	Max.	#	Total
Fuel the rocket				
Fuel is completely inside the rocket fuel area (no matter if standing or lying)	10	10		
Fuel is touching the rocket fuel area	5			
Launch the rocket				
Rocket reached the orbit (Rocket is beyond 2nd red marker)	15	15		
Rocket is in flight (Rocket is beyond 1st red marker, but not beyond 2nd red marker)	5			
Collect the satellites and bring them into space (only one satellite per orbit)				
Satellite is completely in satellite orbit of the correct colour	20	80		
Satellite is partly touching any satellite orbit	5			
Collect space debris and bring it back				
Space debris is touching the start area	10	30		
Bonus for astronauts & barrier				
Astronaut is not damaged or moved	5	10		
Barrier is not damaged or moved	10	10		
Extra-Task: Fix broken satellite				
Antenna is placed on top of the broken satellite	15	15		
New maximum score		170		
Surprise Rule				
Total Score in this run				
Time in full seconds				



4x
2780
Black



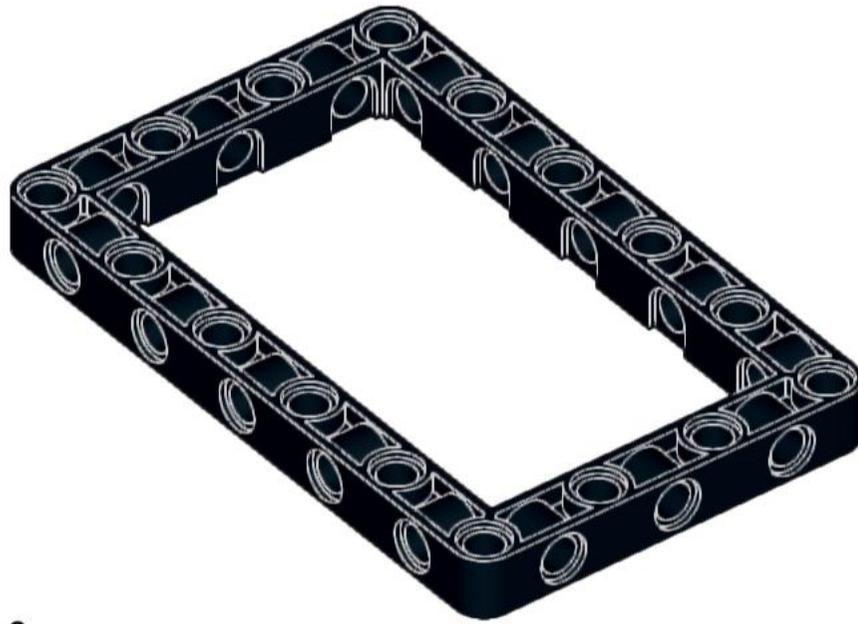
1x
3705
Black



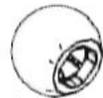
1x
2815
Black



6x
3894
Black



2x
39794
Black



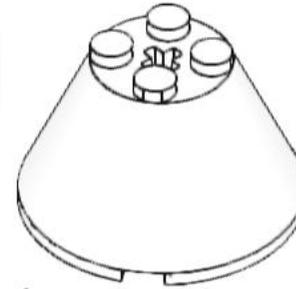
1x
32474
White



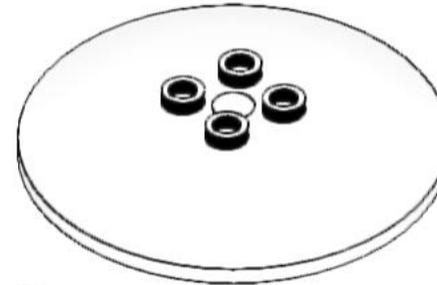
1x
32016
White



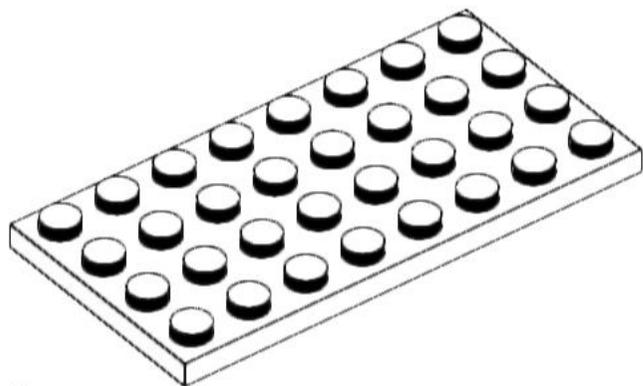
1x
4185
White



1x
3943b
White



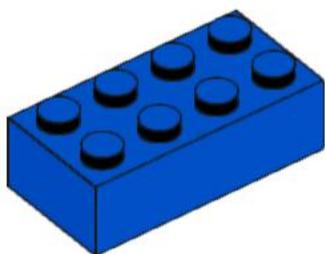
1x
44375a
White



4x
3035
White

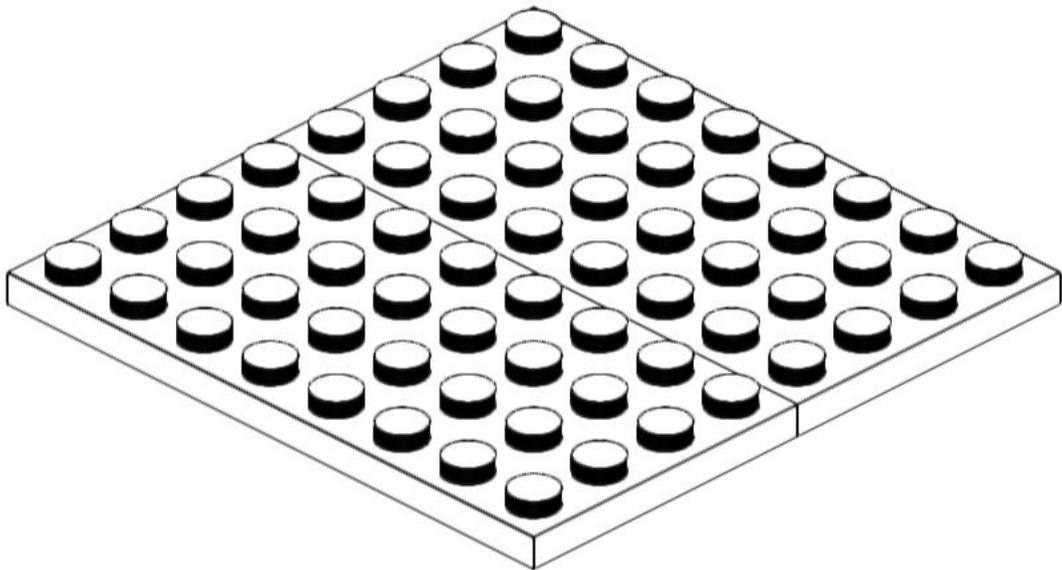
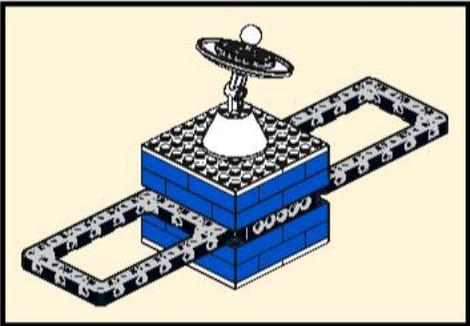
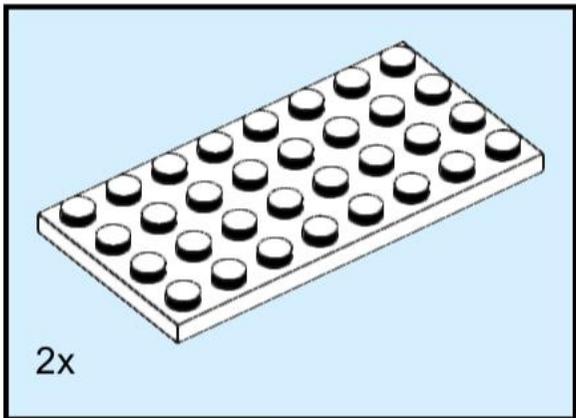


1x
32062
Red

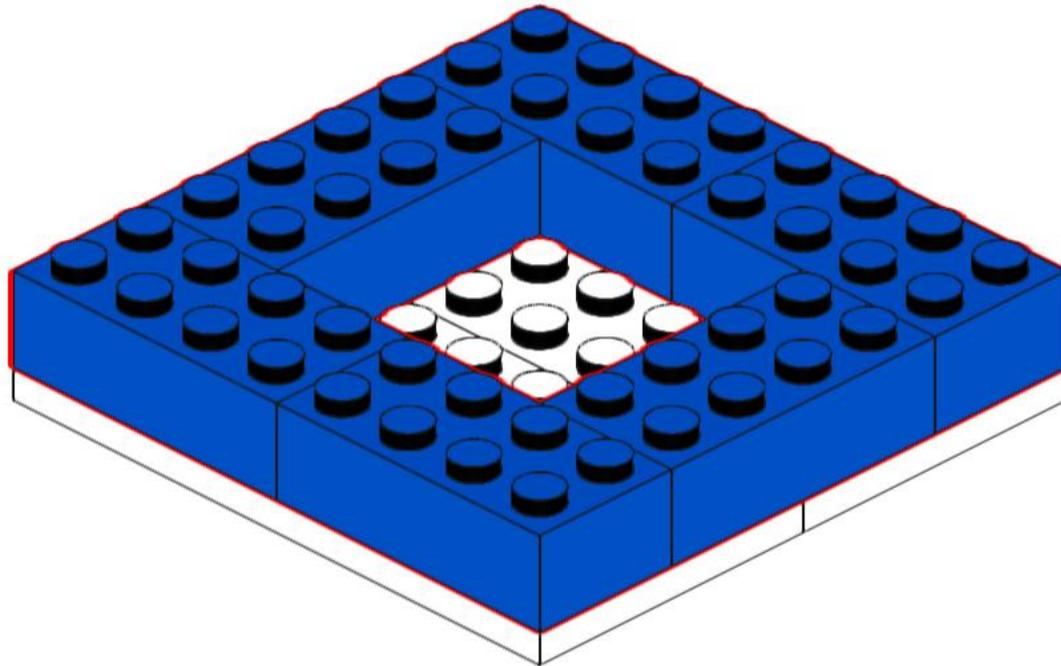
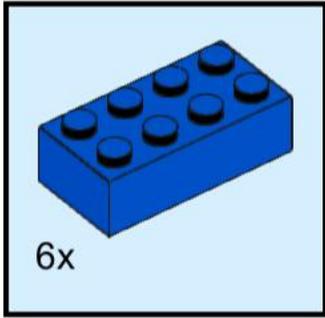


24x
3001
Blue

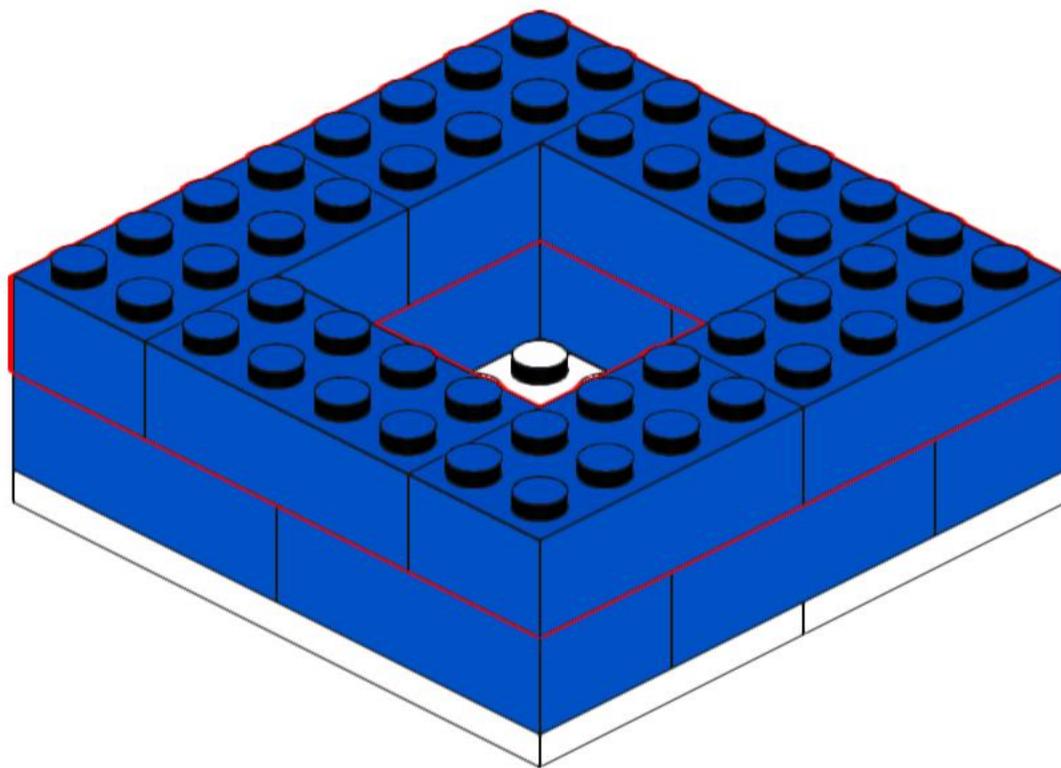
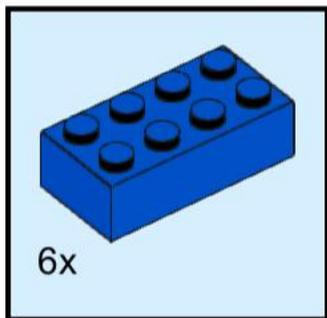
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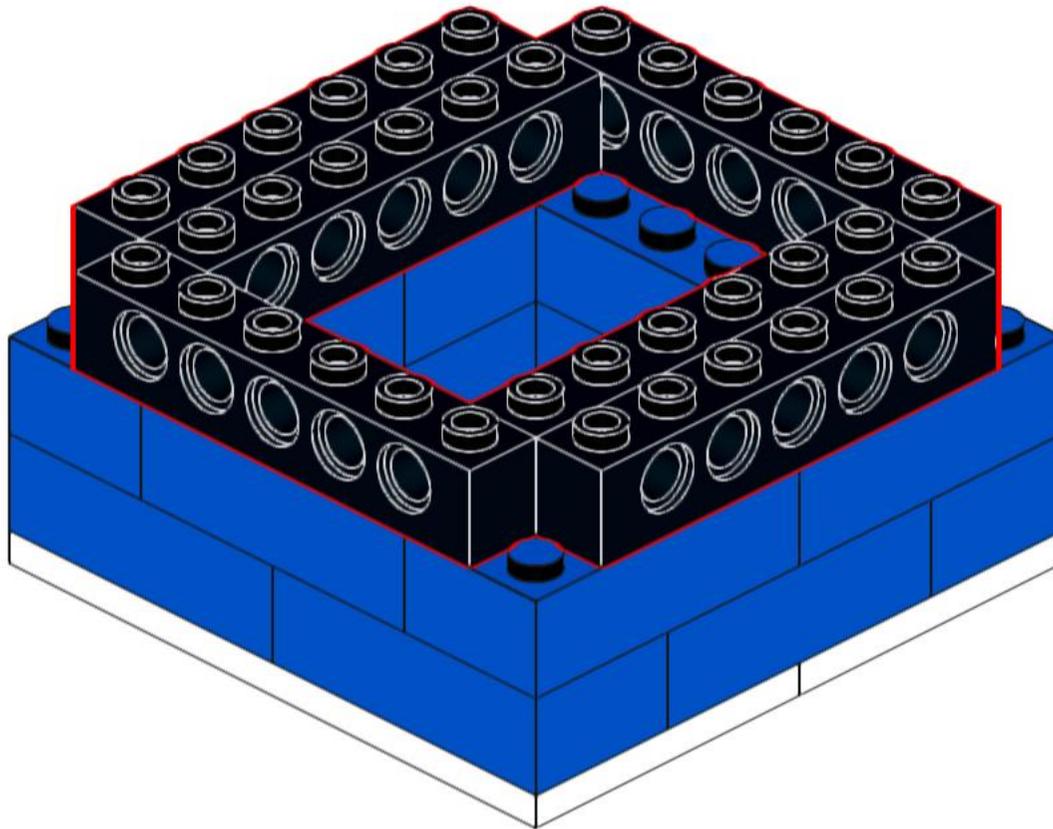
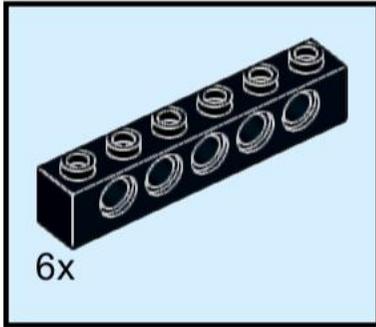
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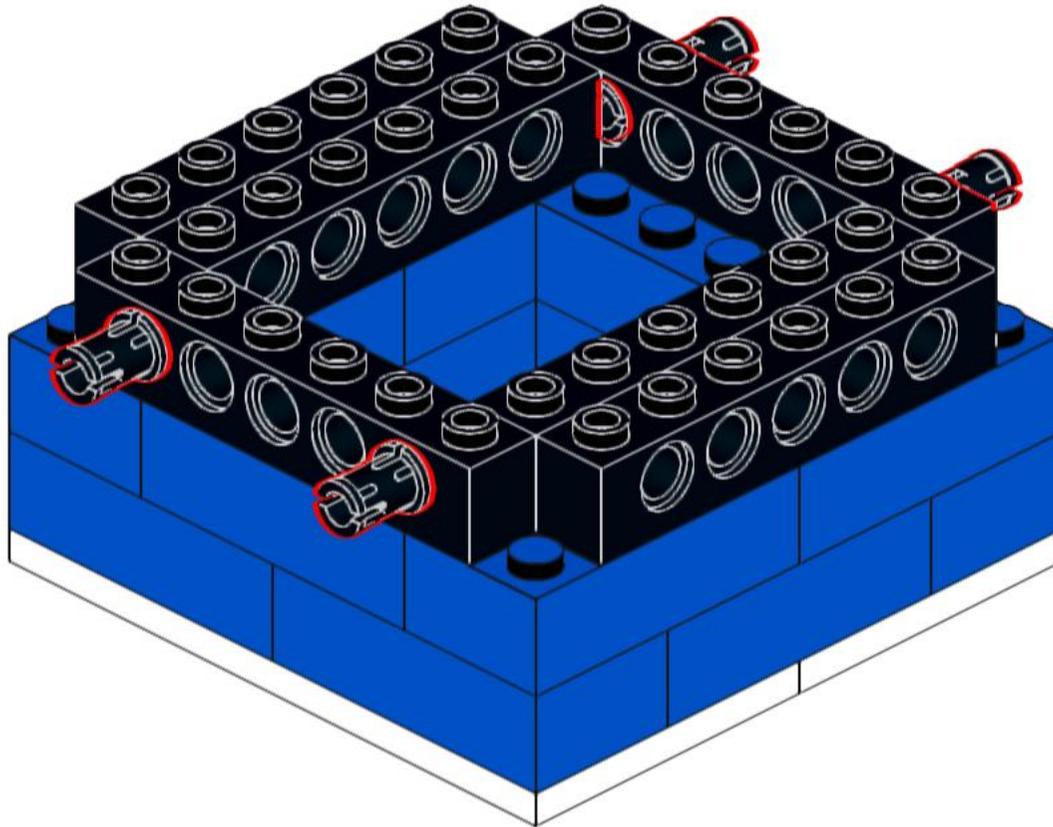
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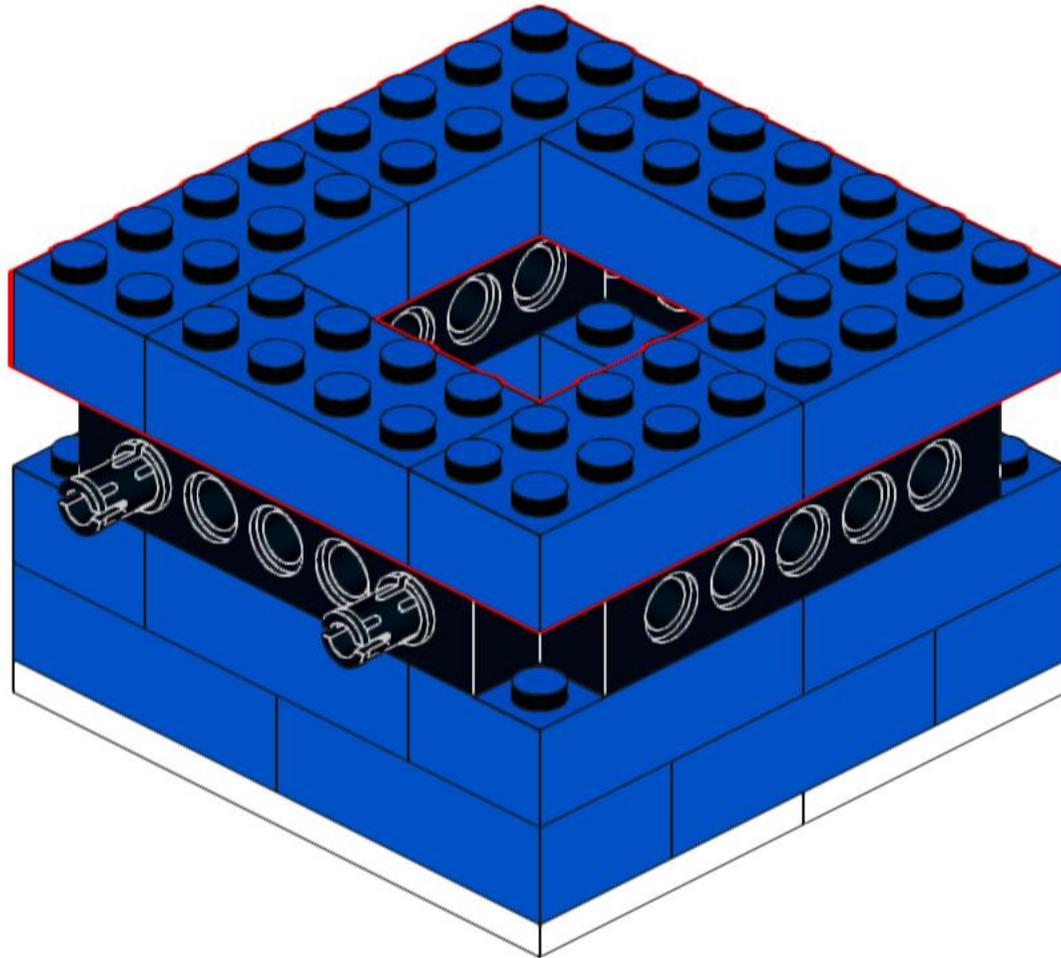
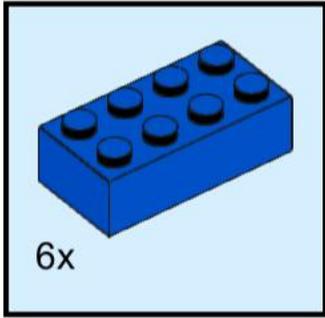
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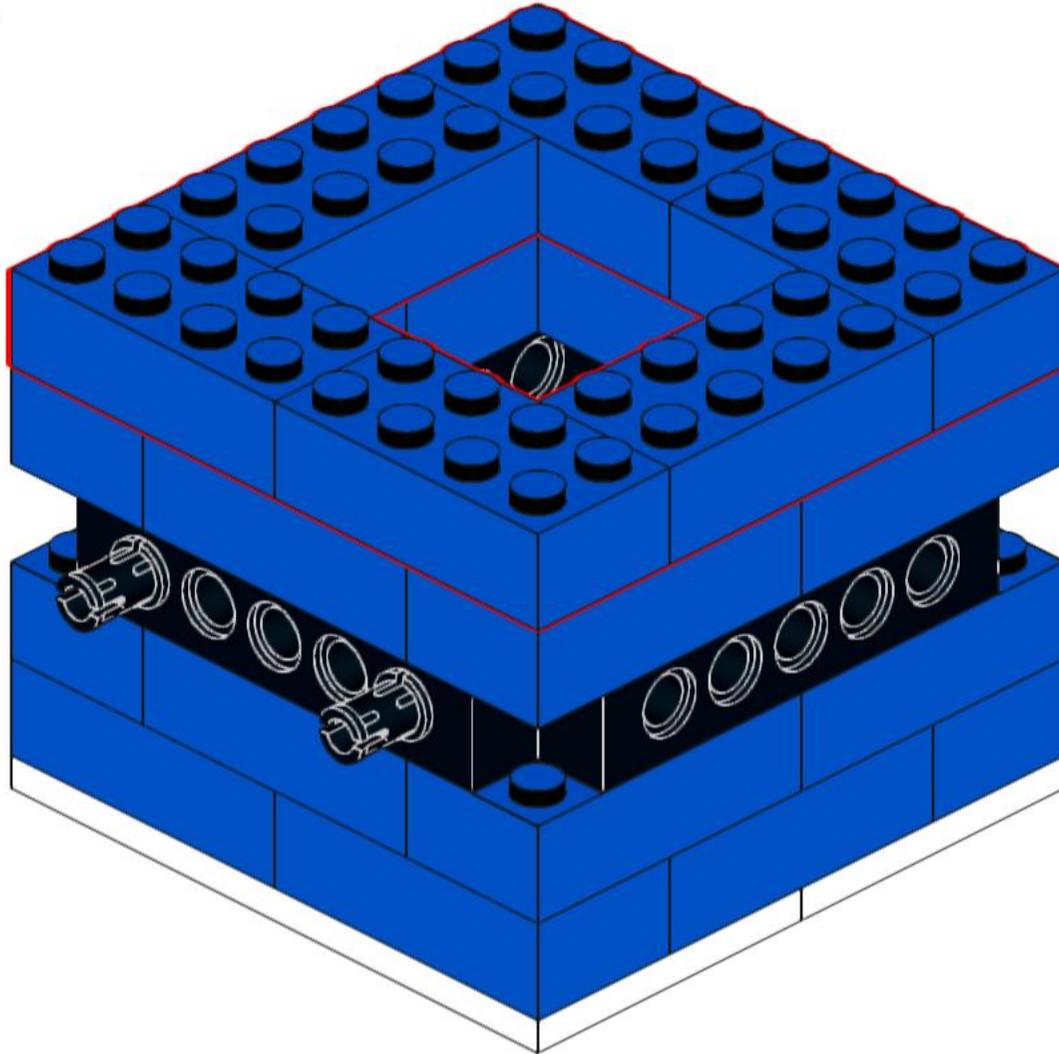
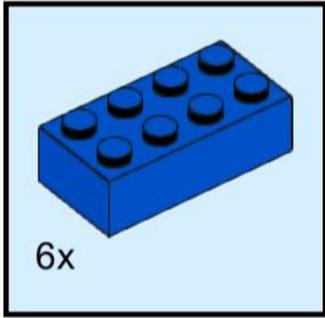
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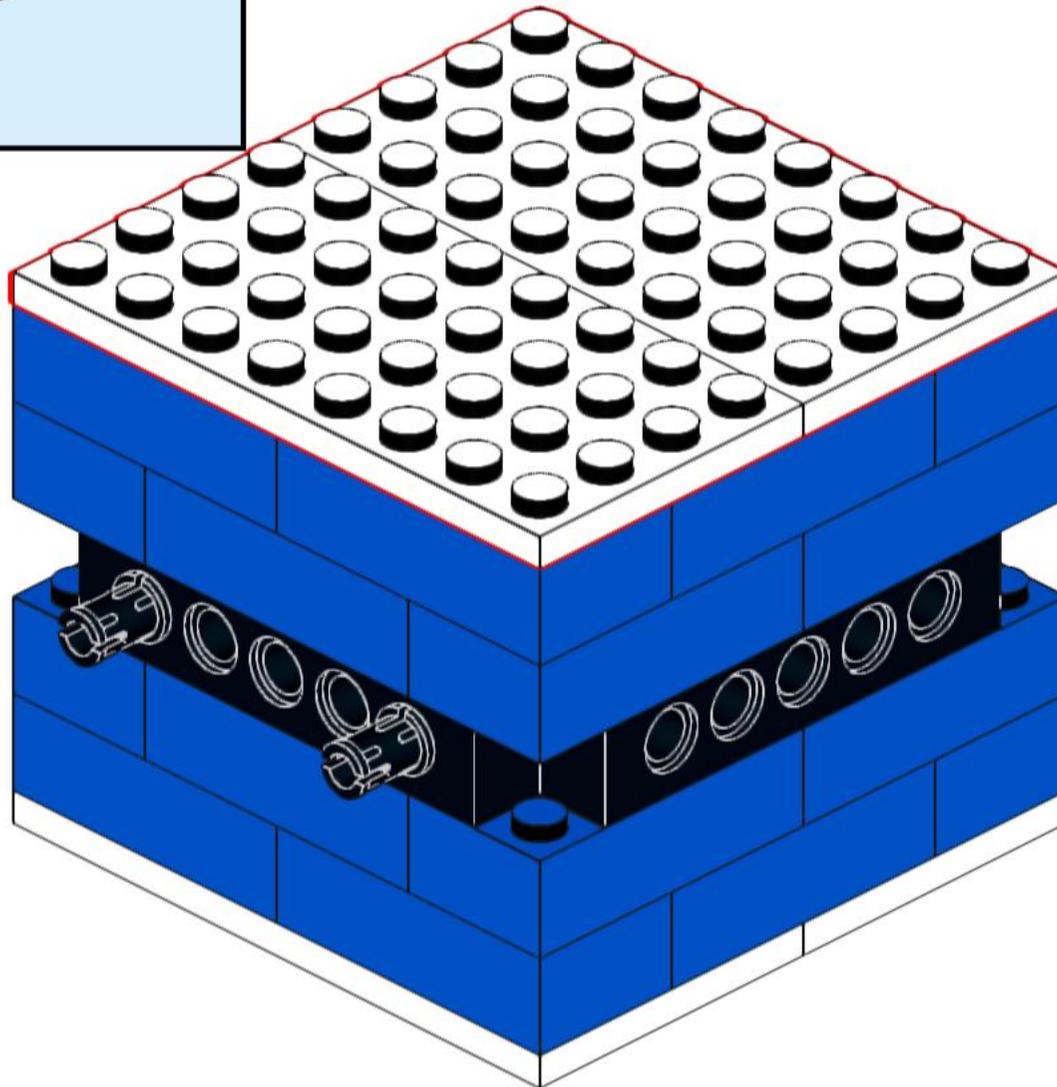
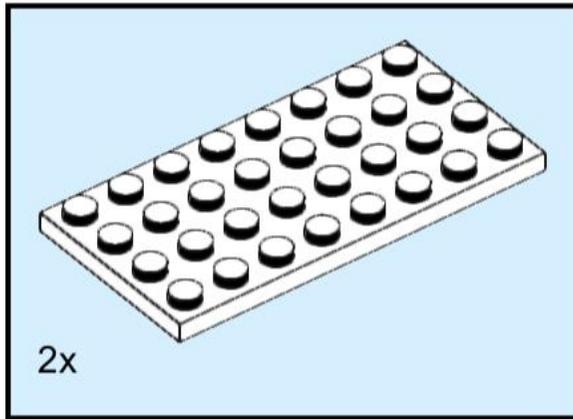
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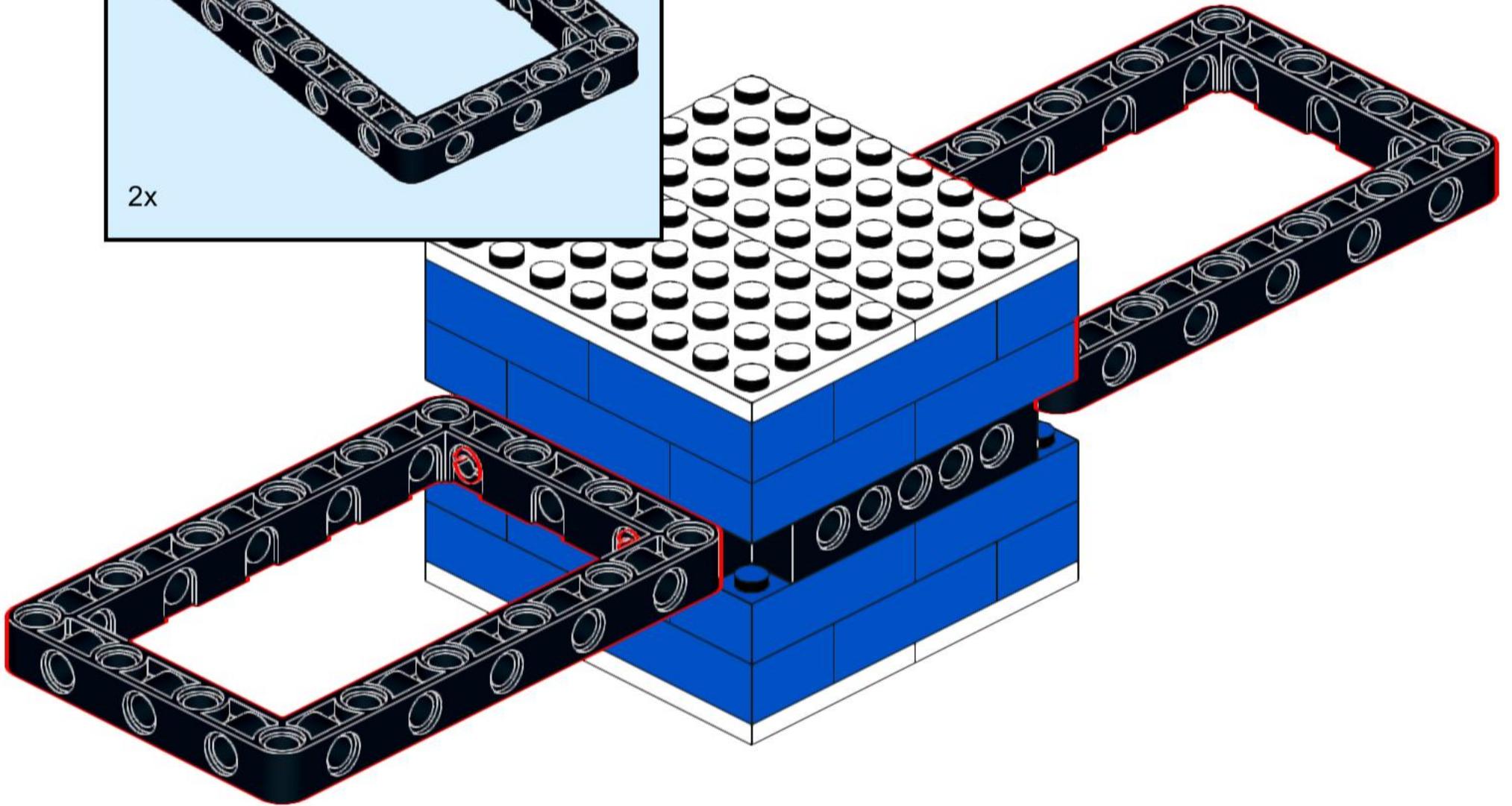
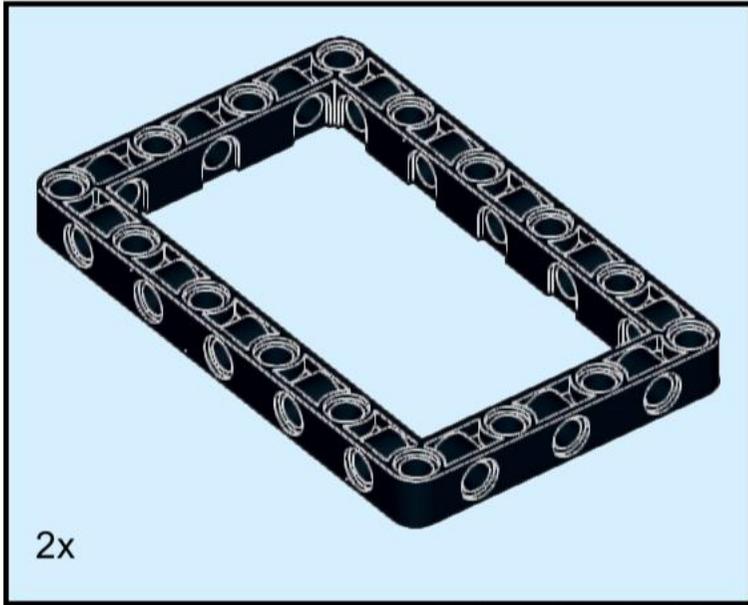
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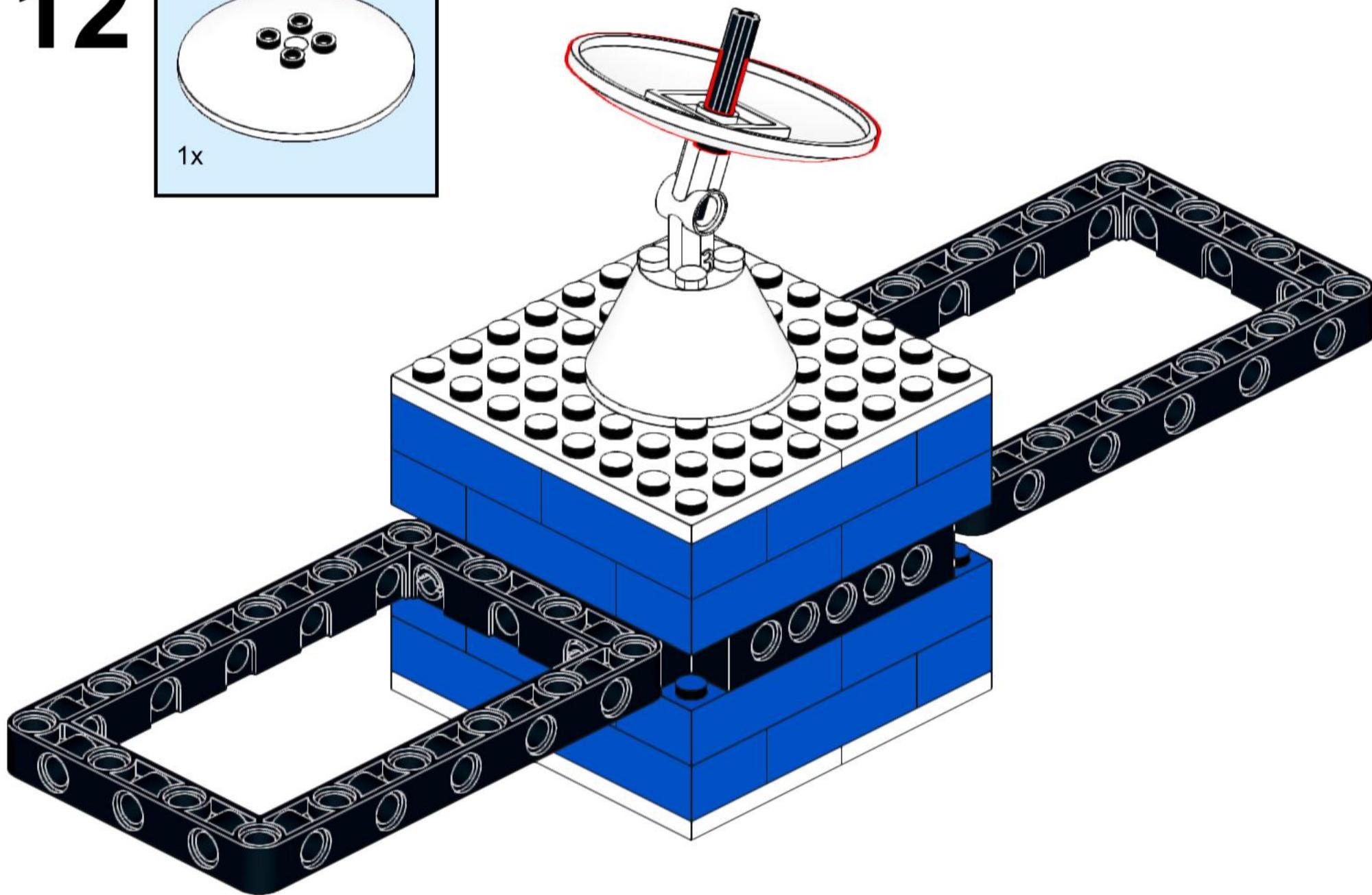
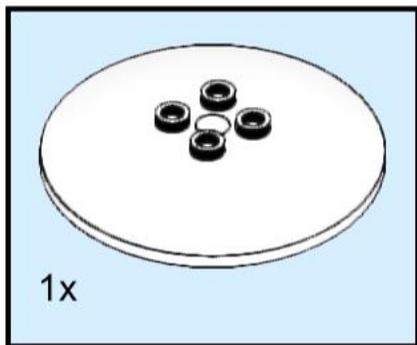
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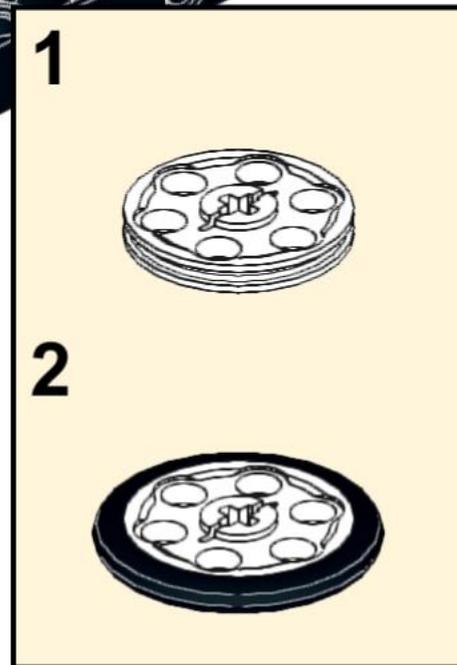
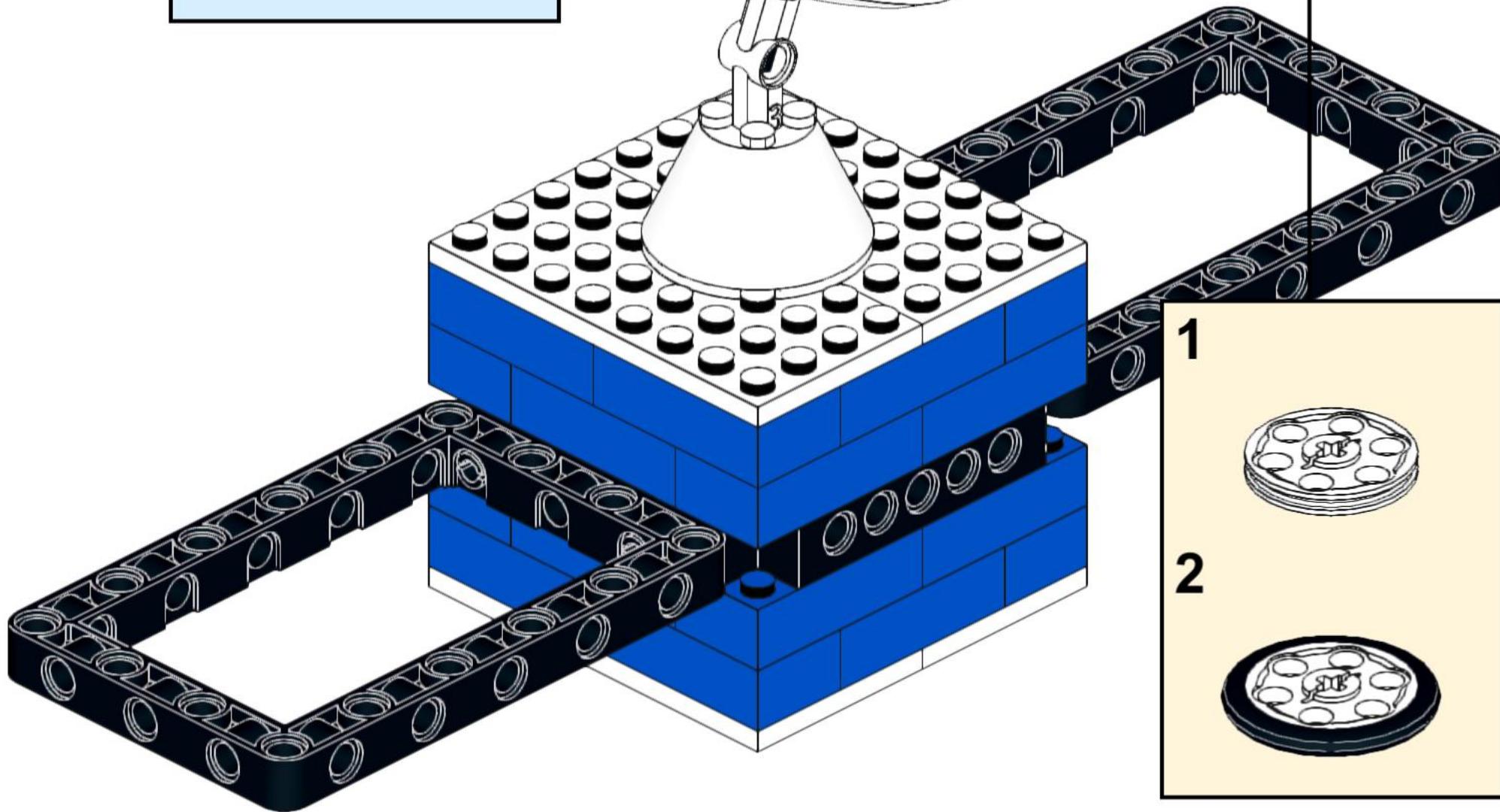
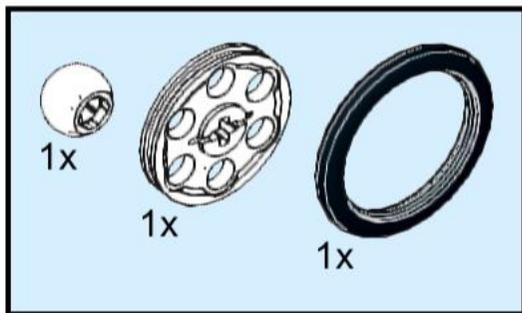
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14

