

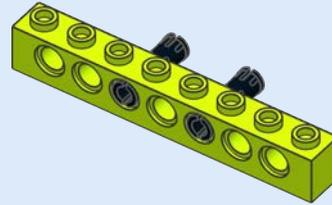
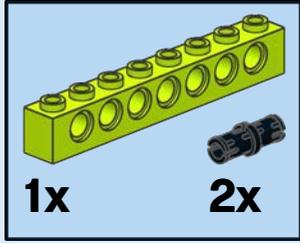
Build it with two WeDo 2.0 sets #45300

RC Sumo Bot

Daniele Benedettelli - 2018

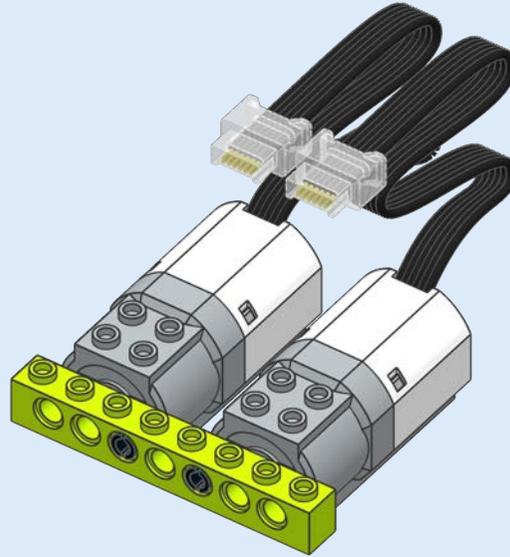
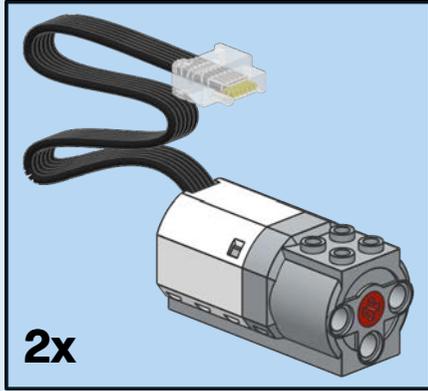


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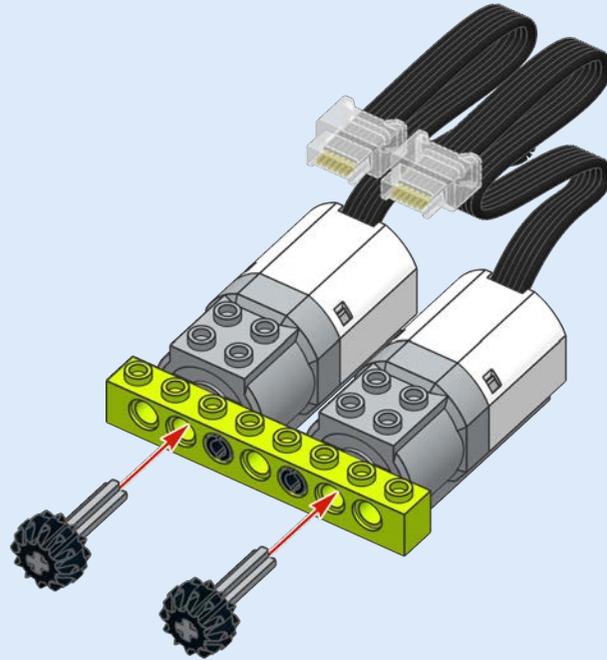
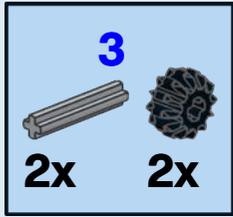


You can build in pairs.
The remote starts at step 21.

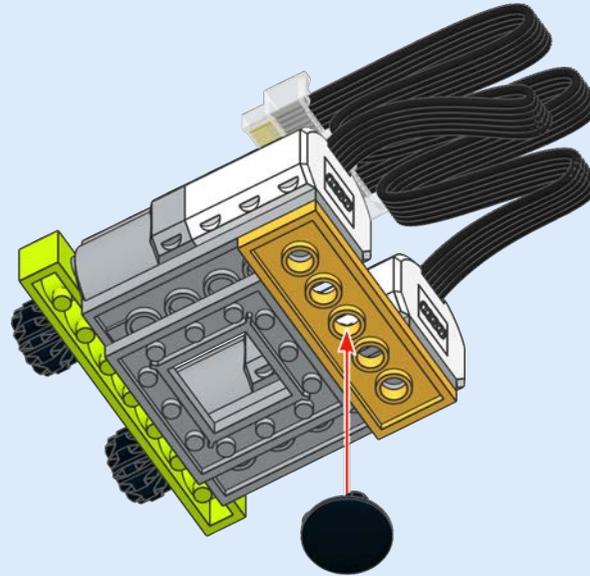
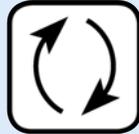
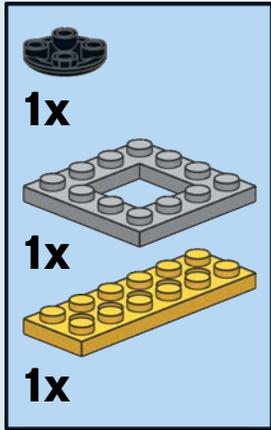
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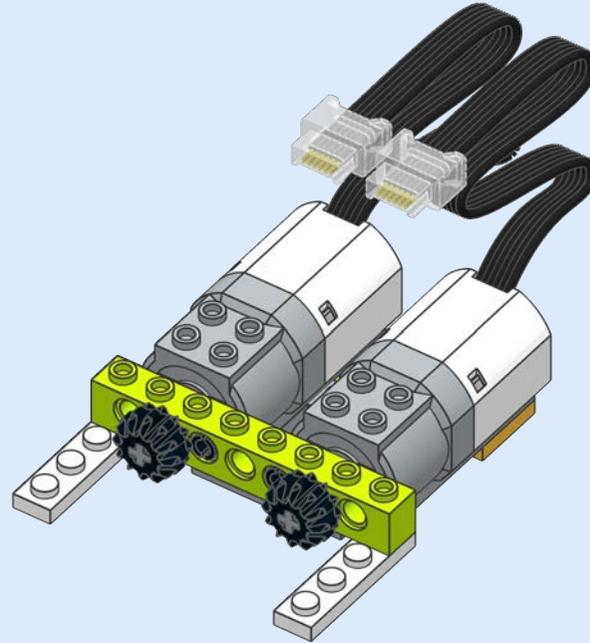
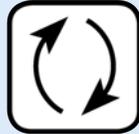
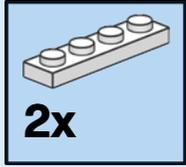
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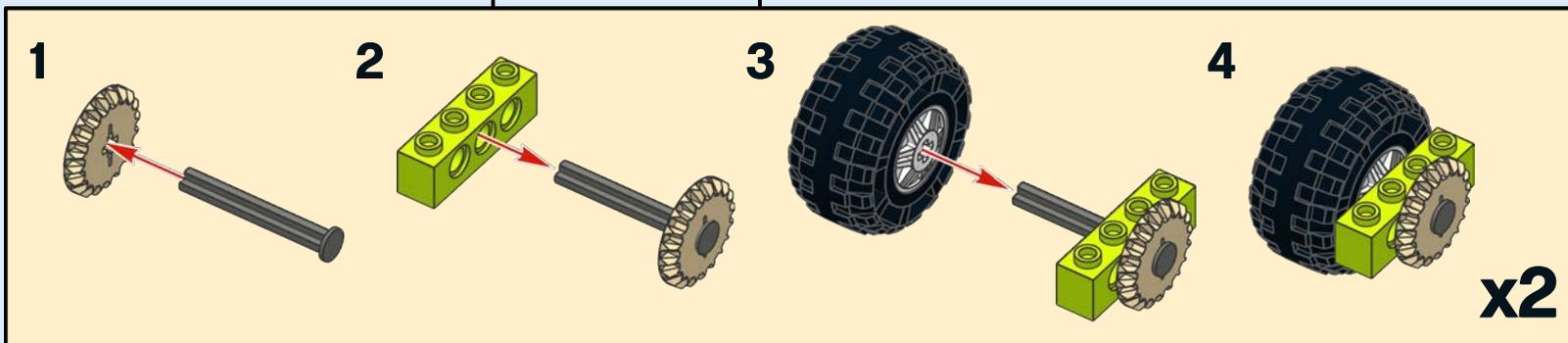
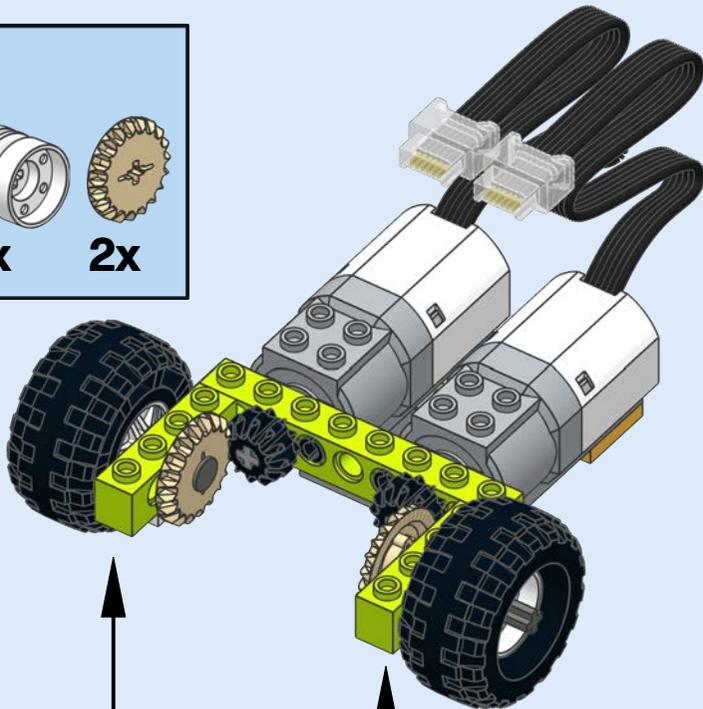
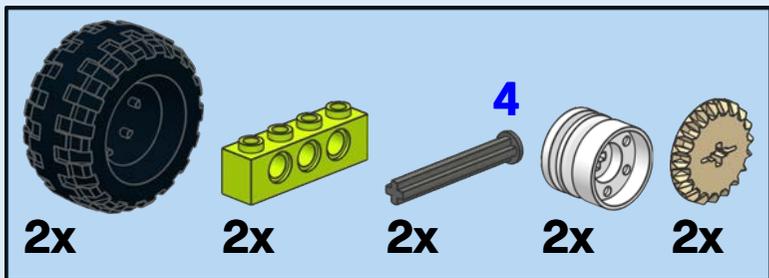
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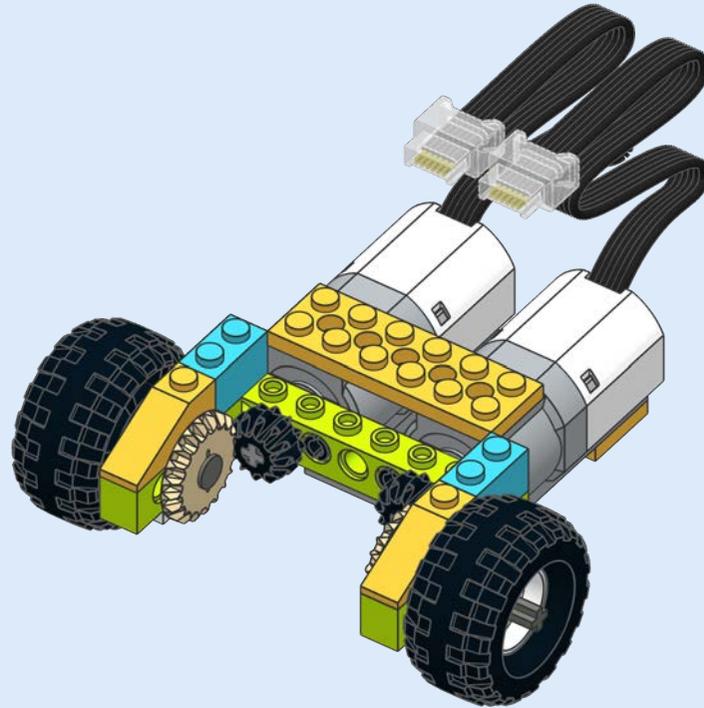
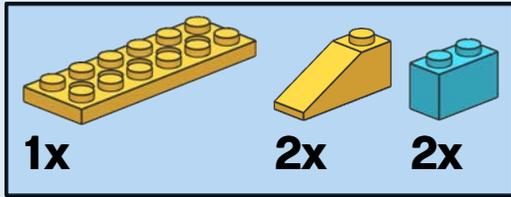
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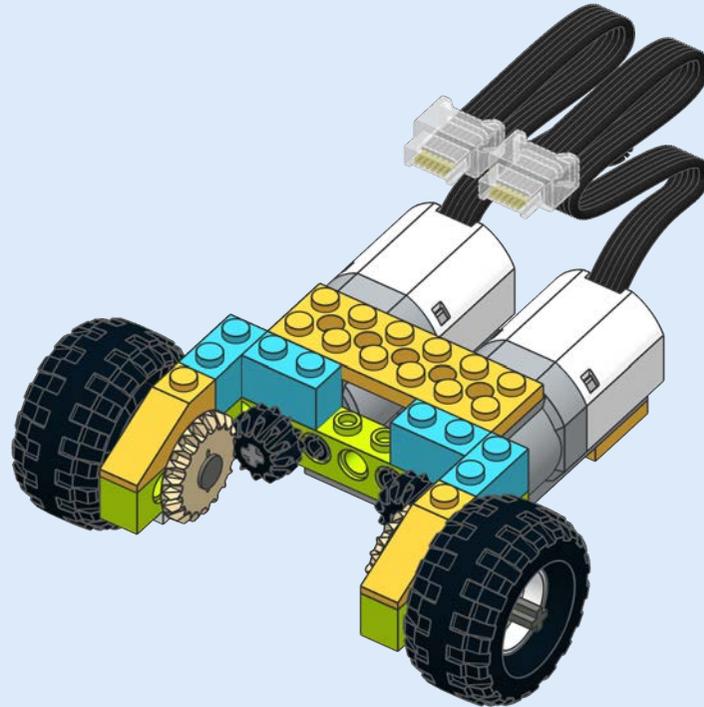
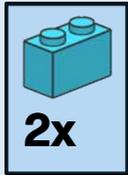
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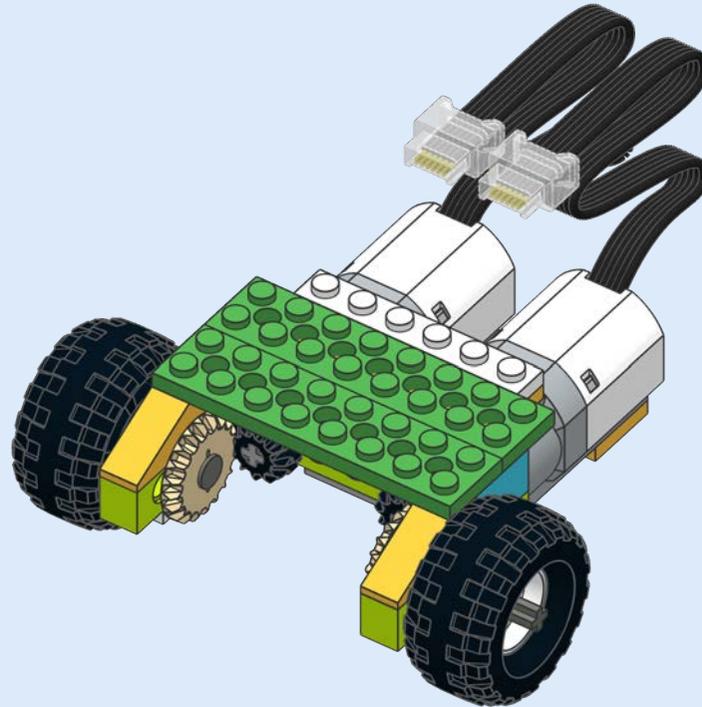
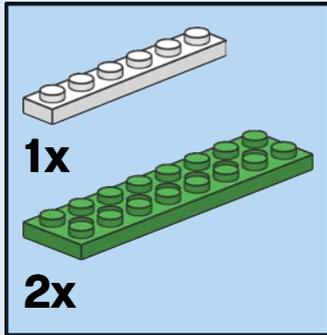
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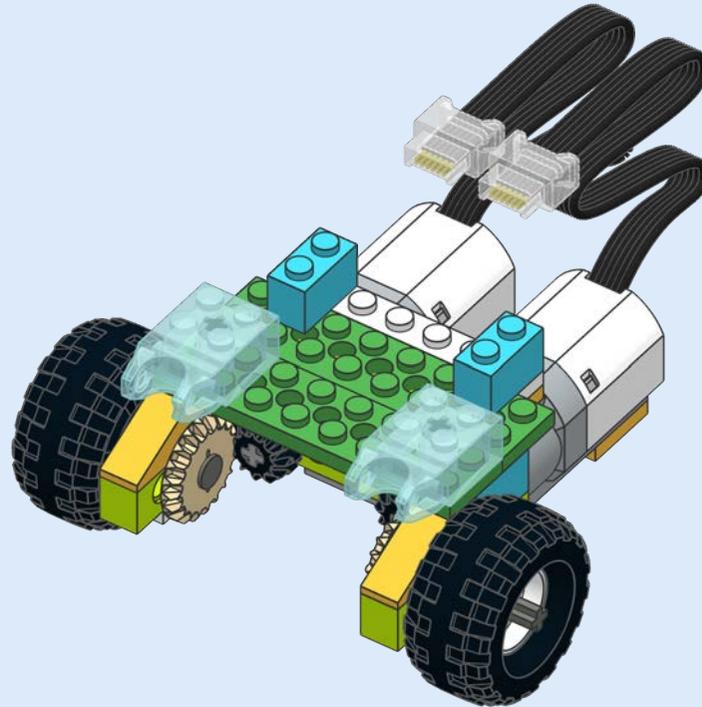
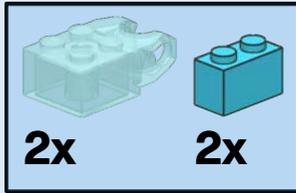
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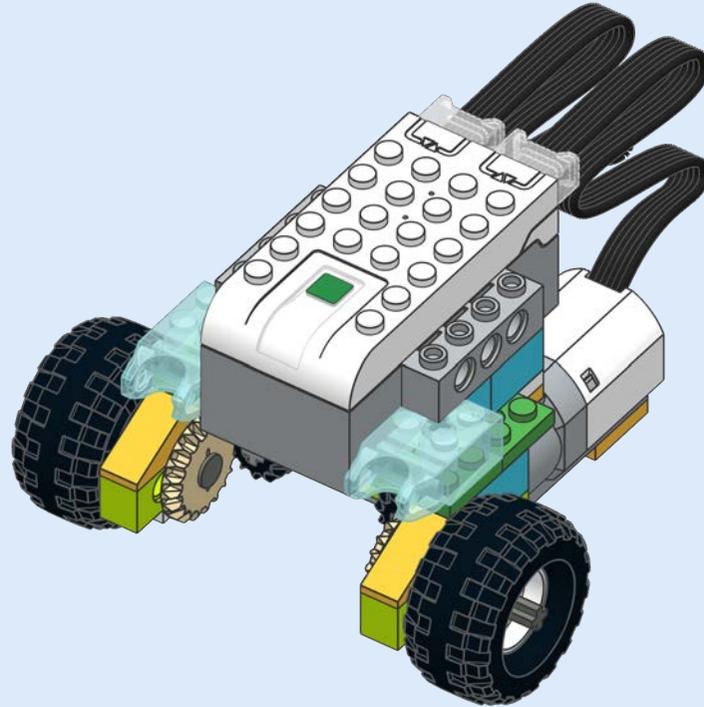
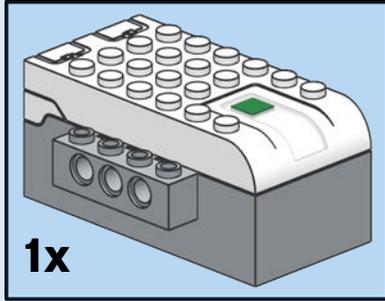
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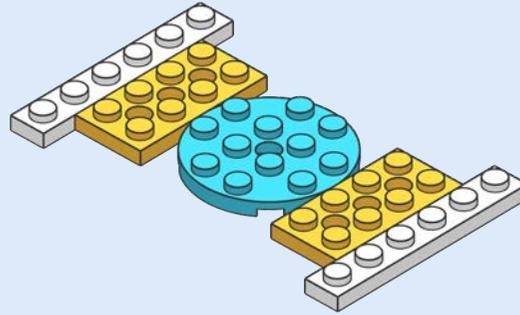
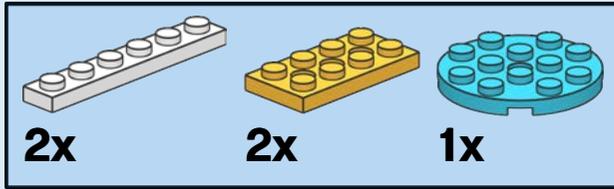
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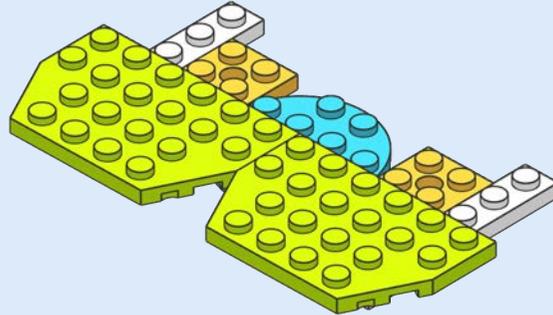
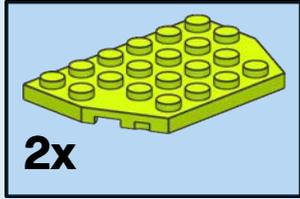
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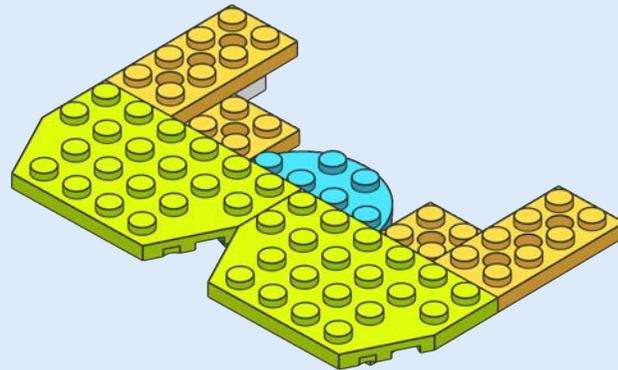
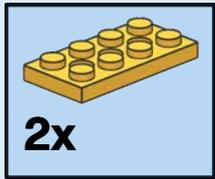
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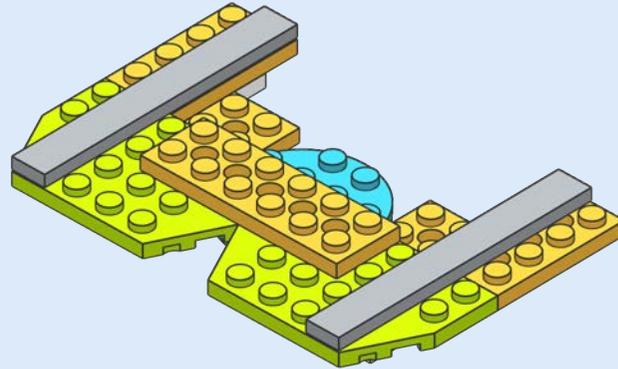
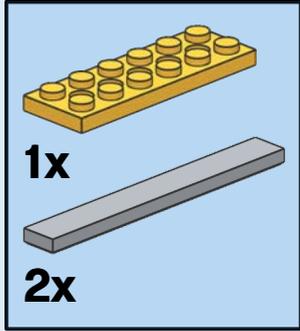
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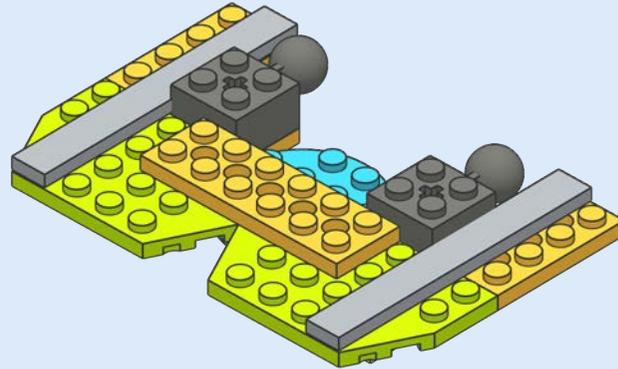
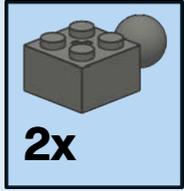
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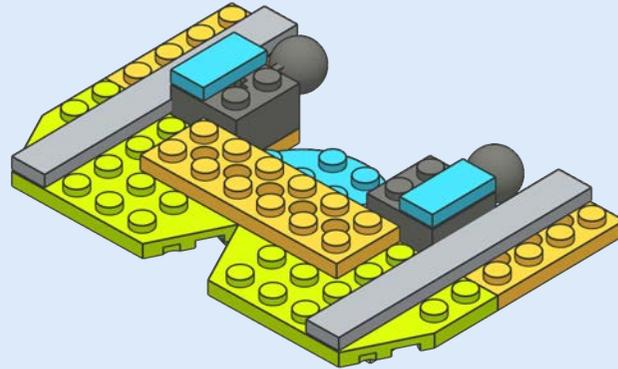
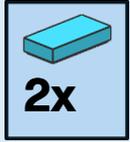
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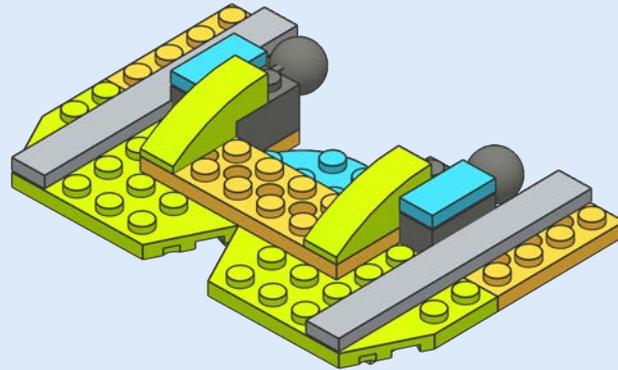
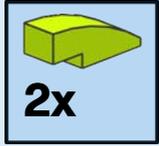
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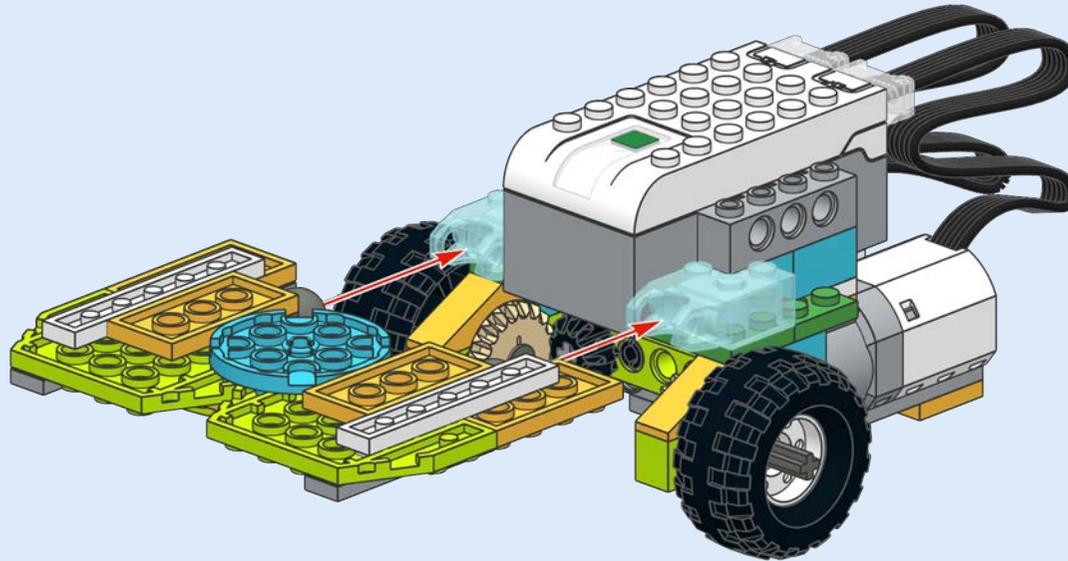
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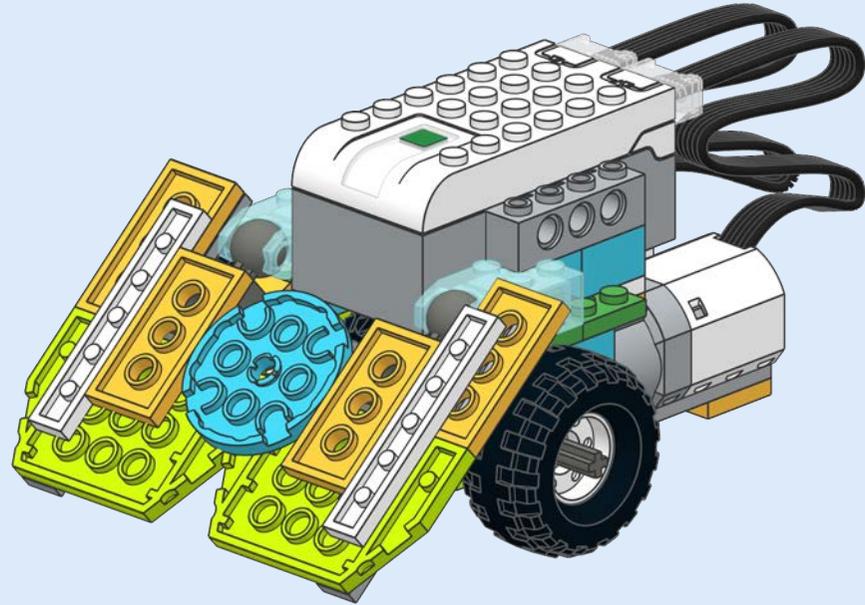
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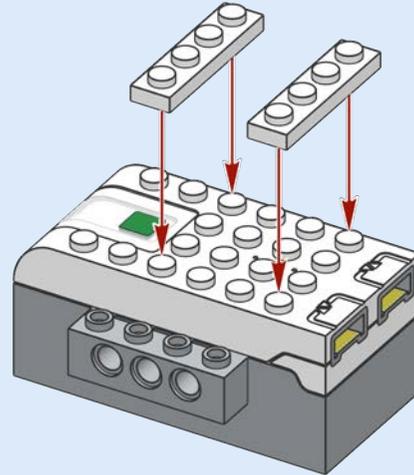
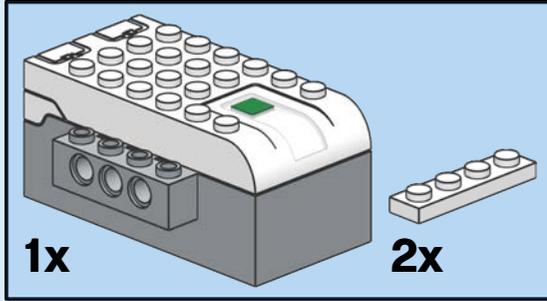
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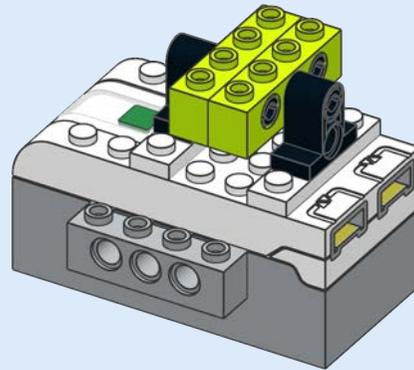
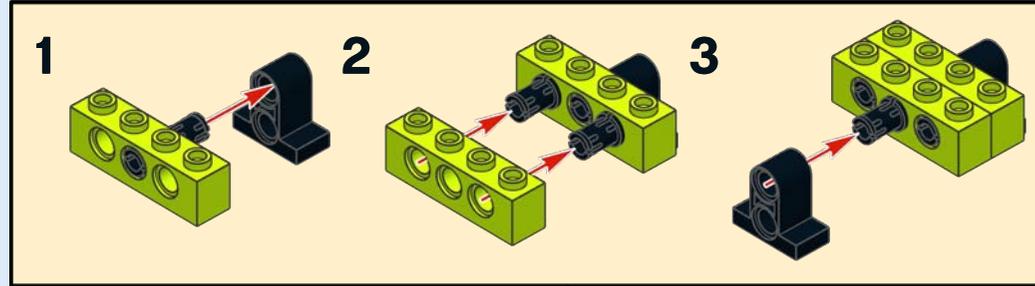
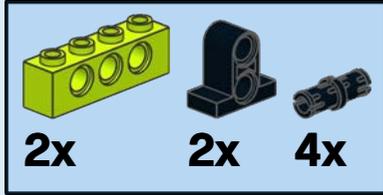
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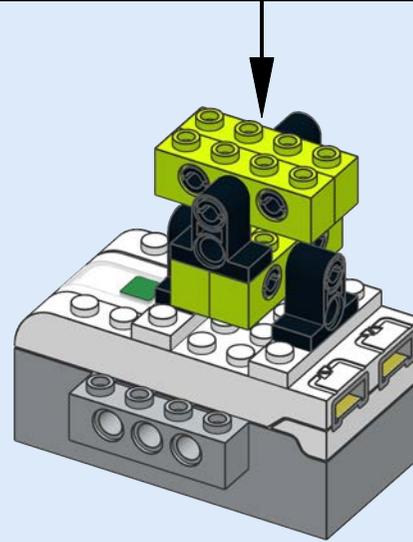
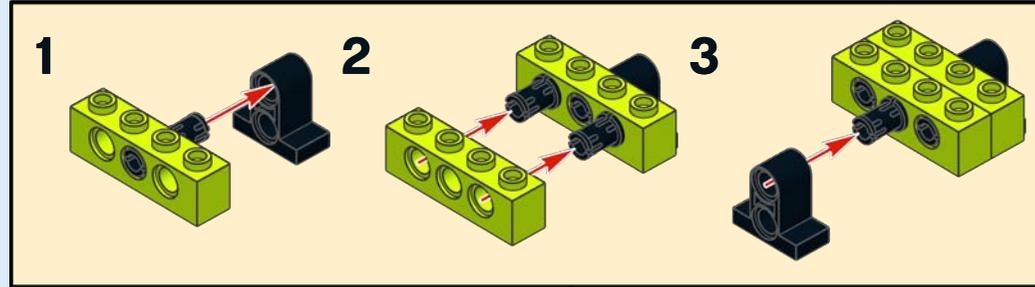
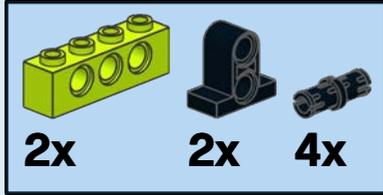
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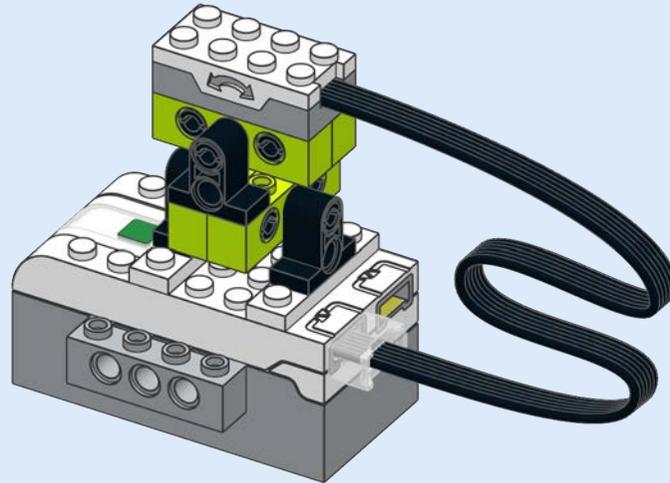
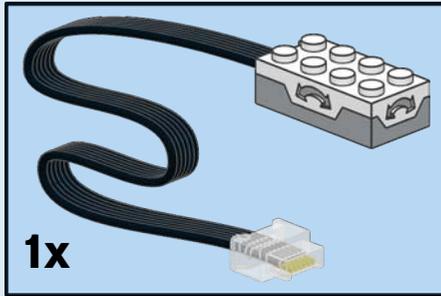
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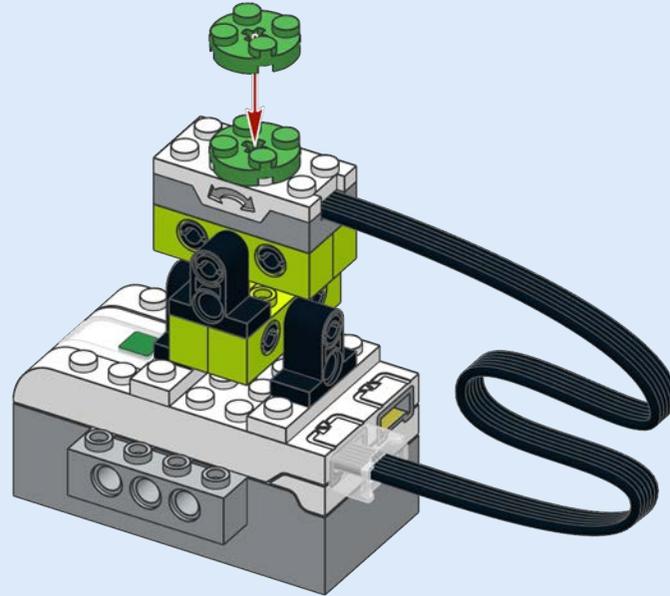
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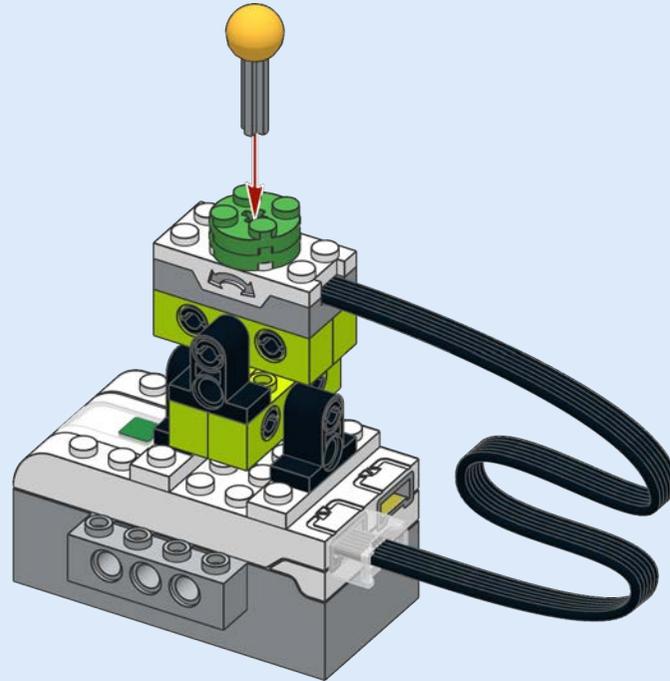
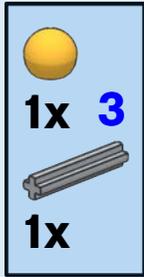
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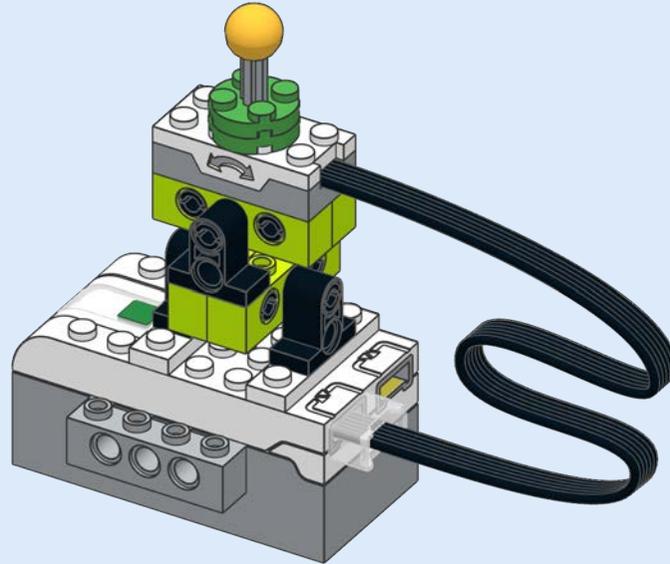
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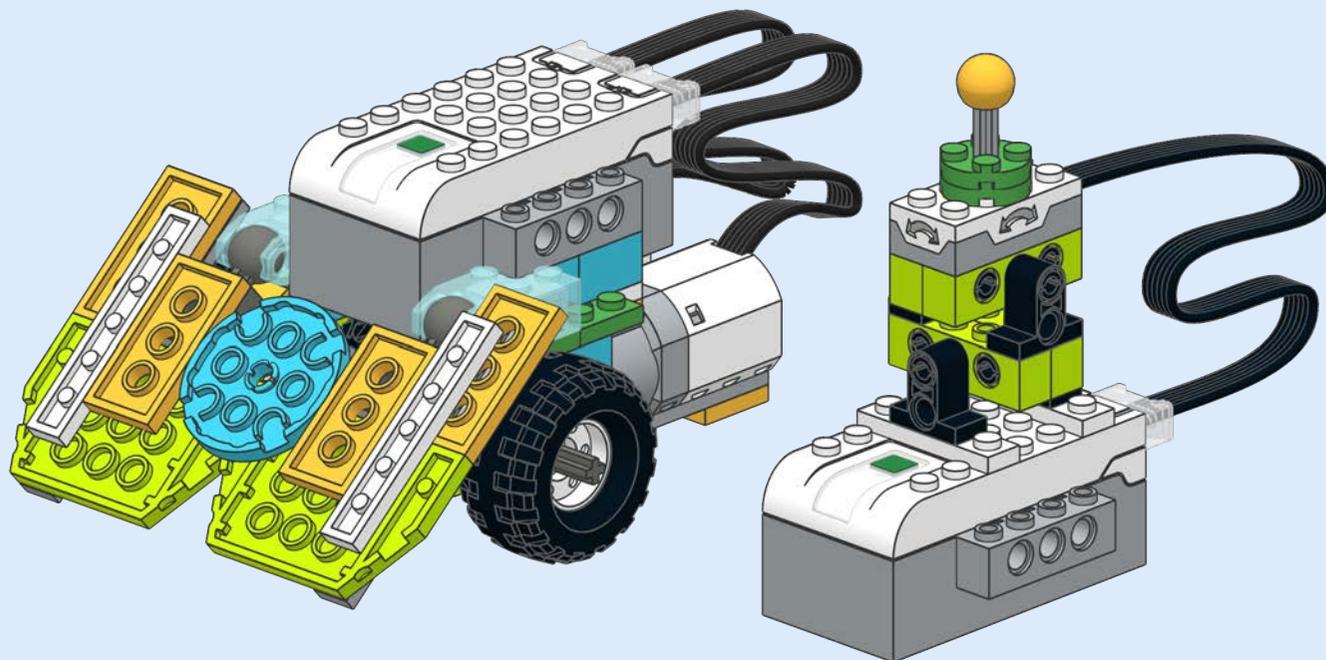
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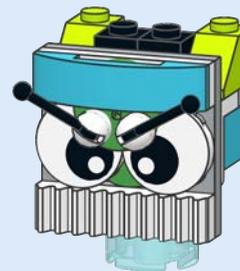
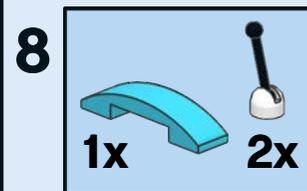
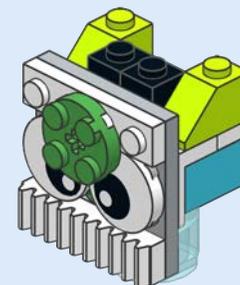
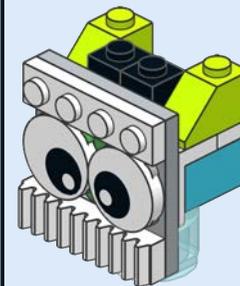
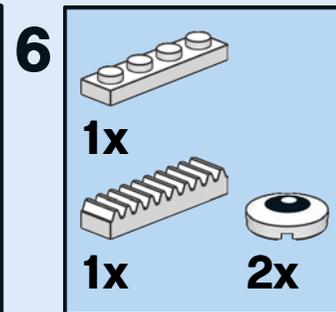
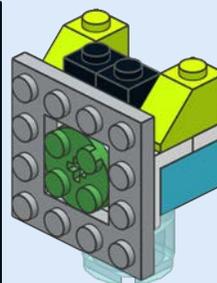
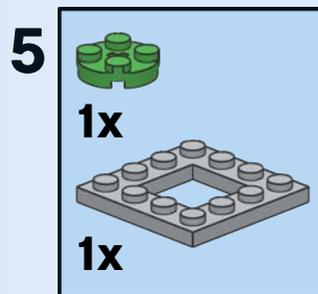
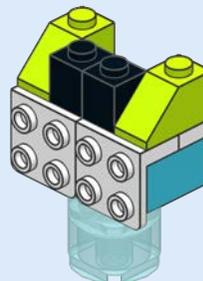
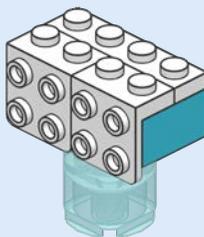
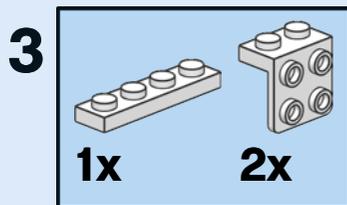
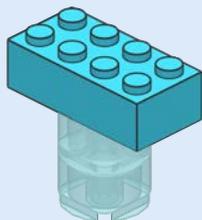
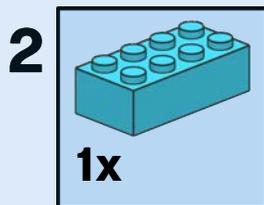
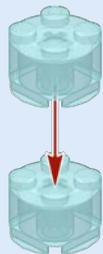


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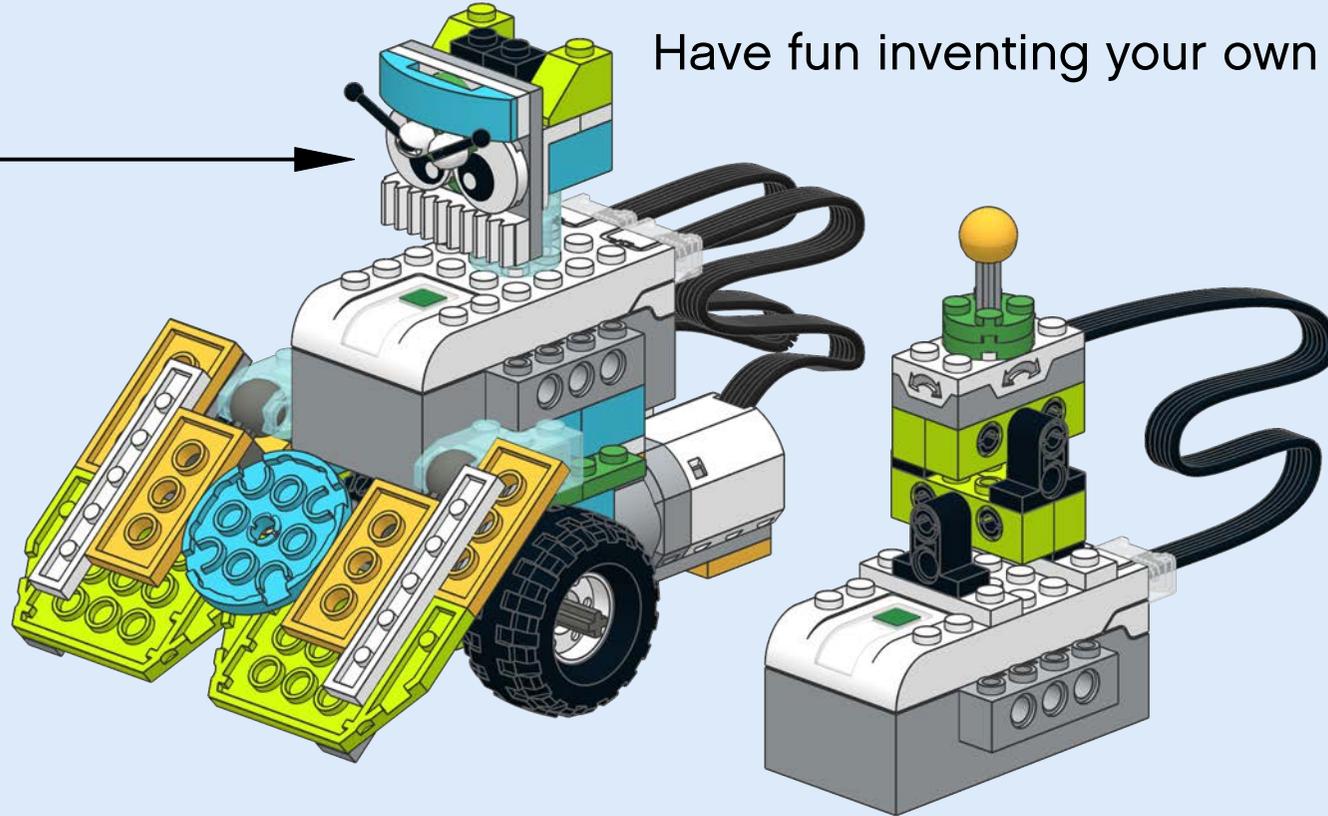
The RC sumo bot is complete. Next comes the optional head.

29



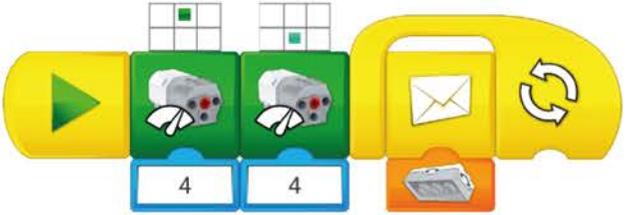
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Have fun inventing your own crazy head!



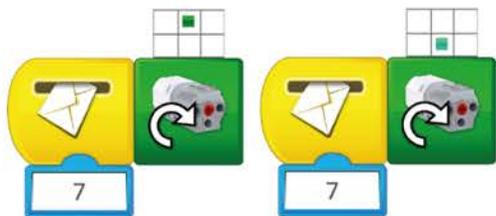
Remote control program

Attention! You must connect the Hub of the remote control before the Hub of the robot, or the motor colors would change.



The main sequence diagram shows a sequence of four blocks: a yellow play button, two green blocks with a robot icon and a value of 4, a yellow envelope icon, and a yellow refresh icon. Below the envelope and refresh icons is a small orange box with a robot icon.

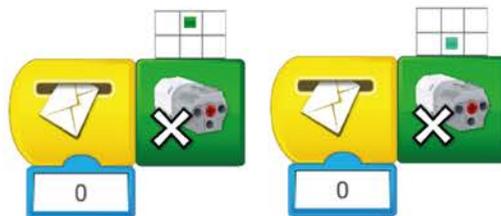
main sequence:
the tilt sensor readings trigger other sequences using messages



Two identical blocks, each consisting of a yellow envelope icon and a green block with a robot icon and a value of 7.



Two identical blocks, each consisting of a yellow envelope icon and a green block with a robot icon and a value of 9.



Two identical blocks, each consisting of a yellow envelope icon and a green block with a robot icon and a value of 0.

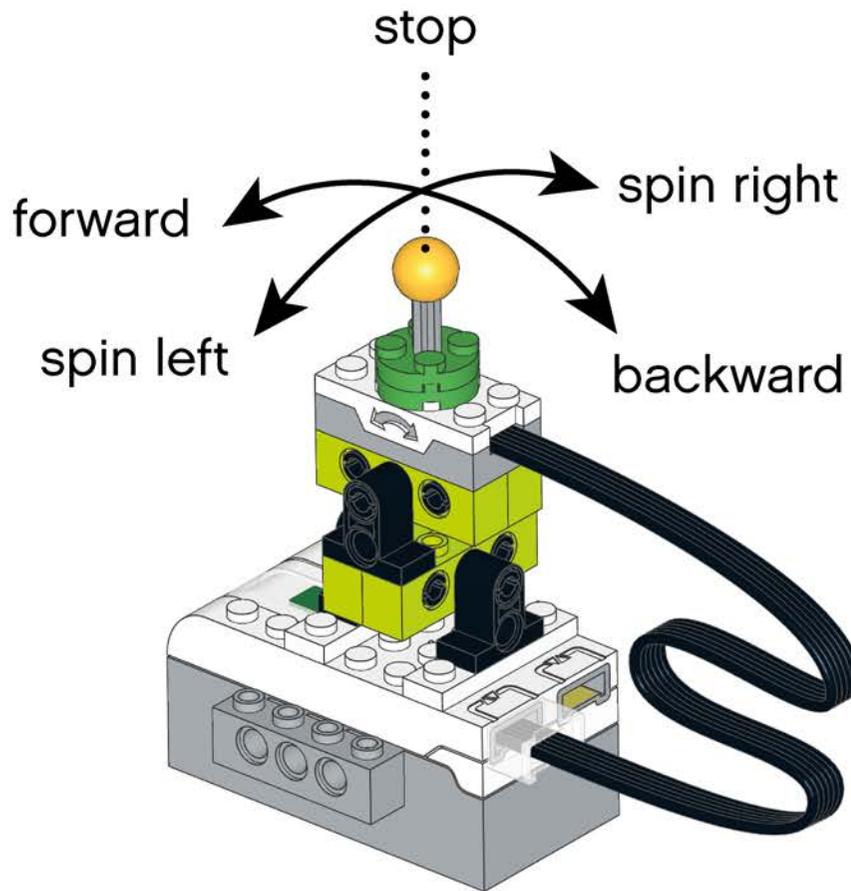


Two identical blocks, each consisting of a yellow envelope icon and a green block with a robot icon and a value of 5.



Two identical blocks, each consisting of a yellow envelope icon and a green block with a robot icon and a value of 3.

How to use the joystick



 0	stop
 3	backward
 5	spin right
 7	spin left
 9	forward