POWER YOUR BUILDS

ROBOTS ROLL!

BLUETOOTH CONTROL / MULTI-VEHICLE / MOBILITY LAUNCH KIT

MEET THE CUBES!

Bring your toys to life with Circuit Cubes, the electronic building blocks that add power, motion, and light to your creations. Designed by STEM teachers, Circuit Cubes can turn a light on, power a motor, or make wheels spin — plus, they work with your LEGO® bricks.

BLUETOOTH CUBE

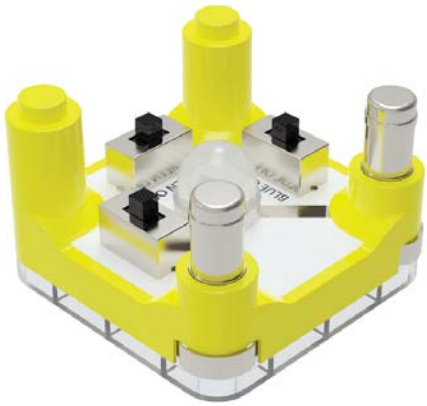
The Bluetooth Cube can function like a standard Battery Cube to power all the outputs at the same time with the 3-way switch in the ON position. Move the switch to the Bluetooth position for broadcast mode [flashing blue LED] to pair the Cube with your device. Once connected [solid blue LED], you can control the three outputs [A | B | C] independently using the app.

MOTOR CUBE

A perfect fit for your LEGO® gears and wheels, this mighty little Motor actually rotates at more than 1,000 RPM [rotations per minute], but the tiny gears attached to the shaft reduce the rotations to about 75 RPM. This ensures maximum torque to turn the wheels or gears of your build.

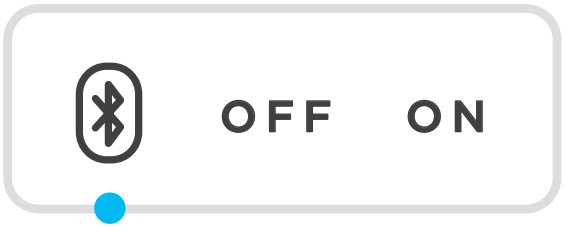
RGB LED CUBE

The Red-Green-Blue [RGB] LED has three different LEDs in one bulb. Use the small switches to turn on each of the LEDs and control the red, green, and blue lights. Try combining the colored lights in different combinations to make purple, teal, and yellow.



BLUETOOTH MODE

Once connected [●], you can control the three outputs [A | B | C] independently with the Circuit Cubes app. Each ouput allows you to control & power different parts of the build. Similar to the metal posts on the Cubes, each output has positive and negative polarity. This makes the Motor move, either clockwise or counterclockwise.



BLUETOOTH MODE [ᛒ]

Flip the switch to the left to control your creation via the Circuit Cube app — find it in the Apple App Store or Google Play Store.

PAIRING

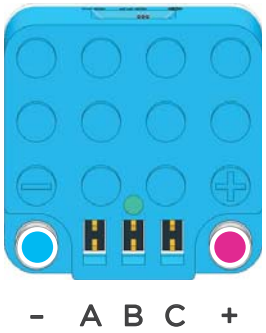
A blinking blue light indicates that the Bluetooth Cube is pairing with your device. When the light is solid blue [●], it's connected.

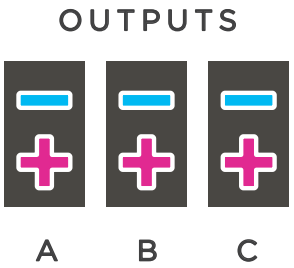
BATTERY MODE [ON]

Flip the switch to the right to use the Bluetooth Cube as a power source, like your Battery Cube.

OUTPUTS

The Bluetooth Cube has three outputs [A | B | C]. In Bluetooth Mode, ouput A and the metal posts are the same, and are linked when powered on.



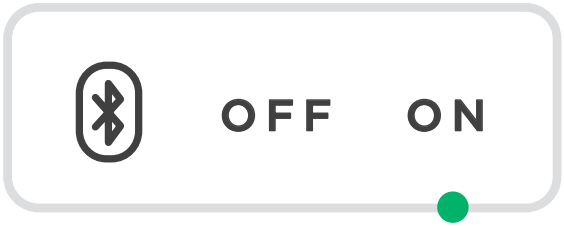


CIRCUIT CUBES APP

The Circuit Cubes App allows you to push the limits of what you can do with your builds. Control your creation by using the Gamepad to move in all directions.

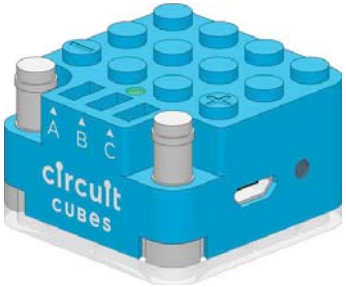
BATTERY MODE

Flip the switch to the right to power your creation in standard Battery mode. A solid green light [●] indicates that the Bluetooth Cube is powered on. Outputs [A | B | C] are on and you cannot control voltage.



PROTECT YOUR BATTERY

Your Bluetooth Cube has short circuit protection for when you cause a shortage. Power will be disabled and the top LED will flash green [●] and blue [●]. You will hear a beeping sound until the short is removed.

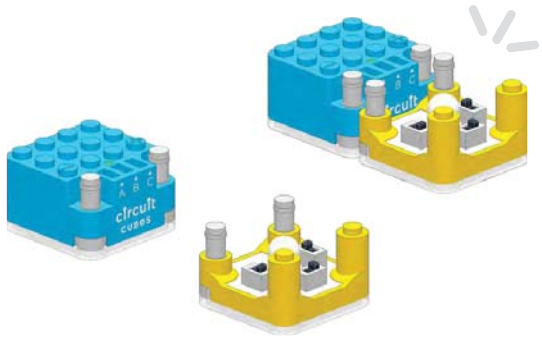


CHARGING

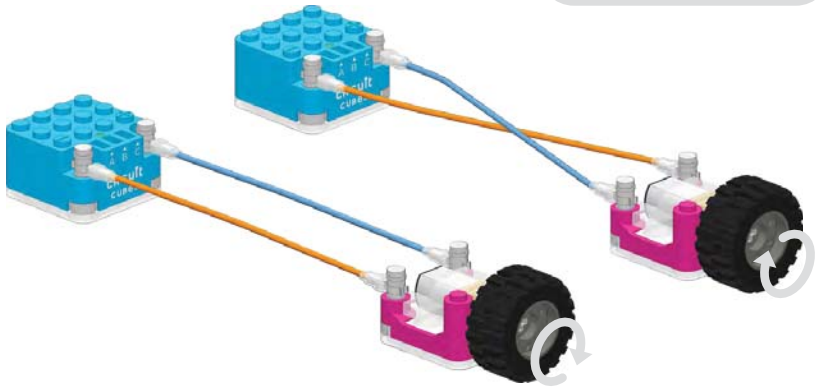
To charge your Bluetooth Cube, plug the provided USB cable into the charging port on the side, and connect it to a standard USB port. The LED will turn red [●] while charging and green [●] when charging is complete.

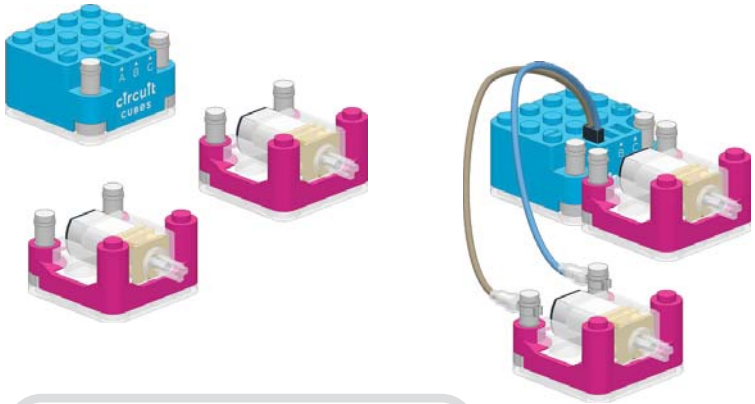
CONNECT YOUR CUBES

MAGNETS

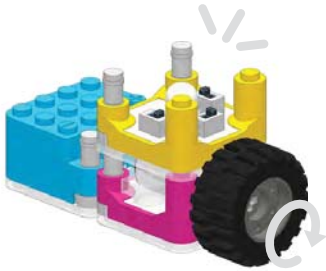


WIRES





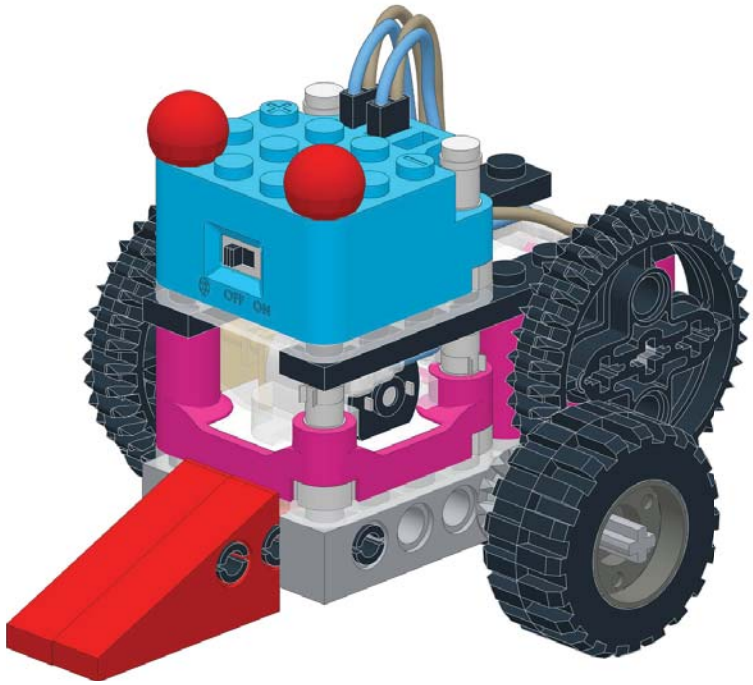
POSTS & OUTPUTS



STACKING

TXR-A1

BUILT FOR SPEED & ROLLING ROBOTS



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1:1 SCALE

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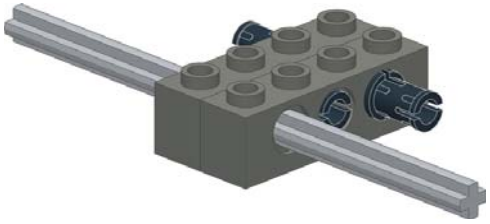

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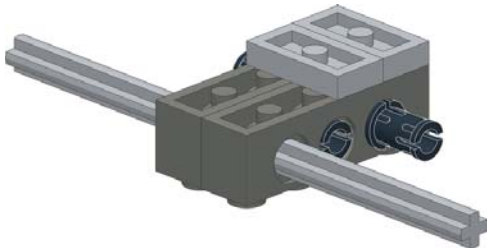

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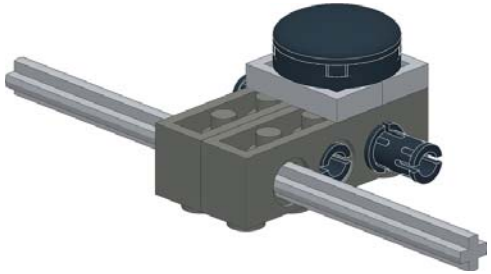

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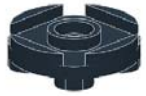

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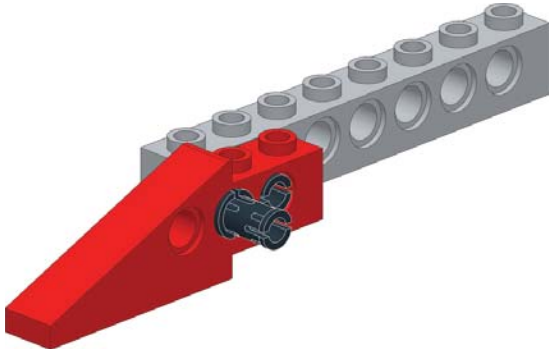
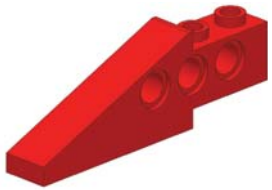


1 

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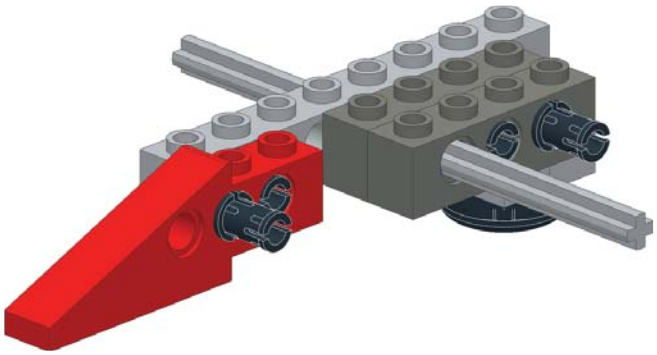

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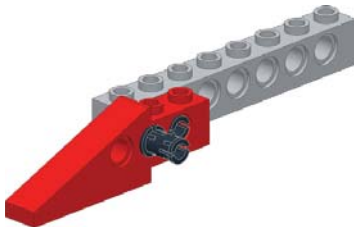

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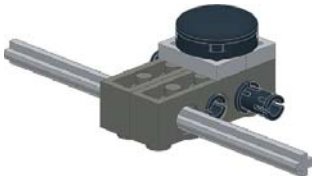

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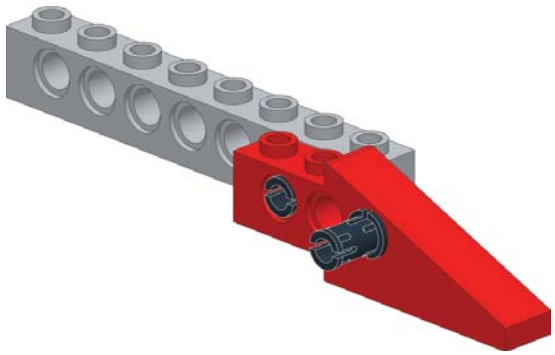
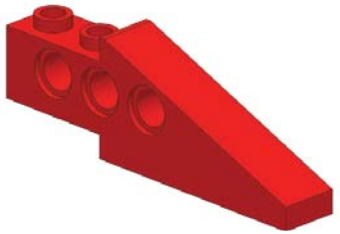


1 

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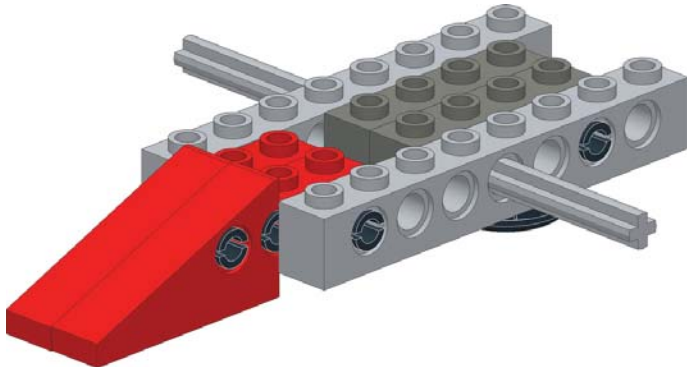
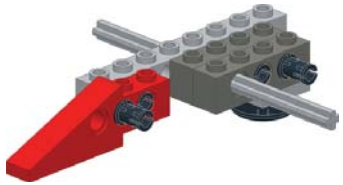
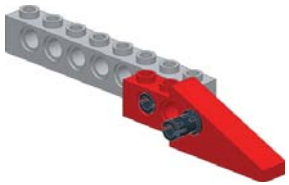


1 

1 

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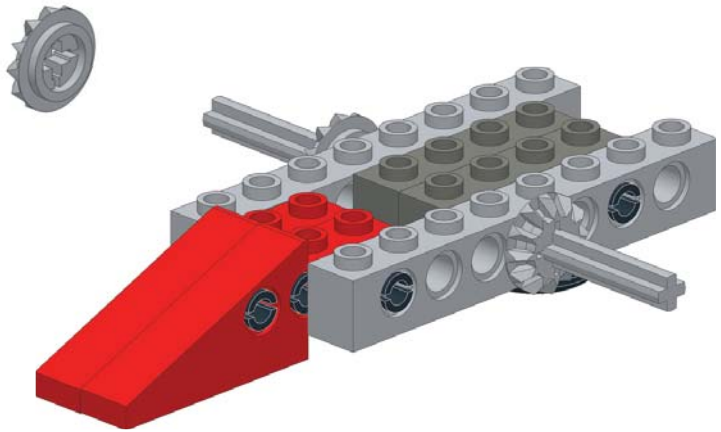

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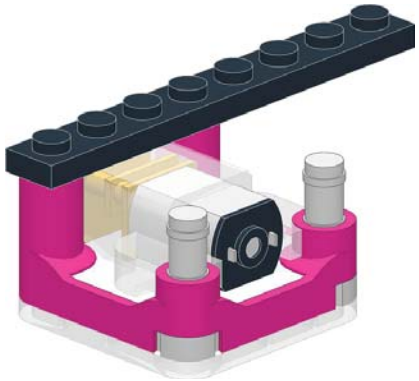

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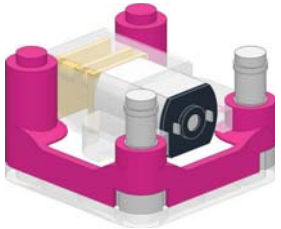

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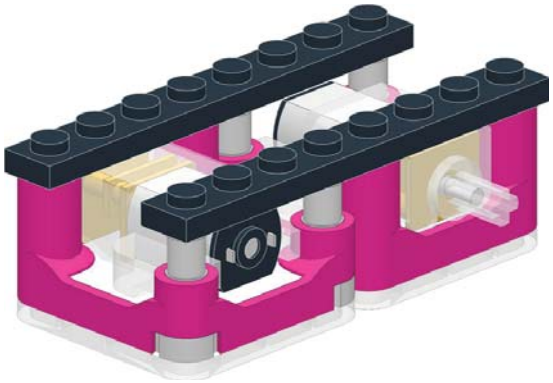

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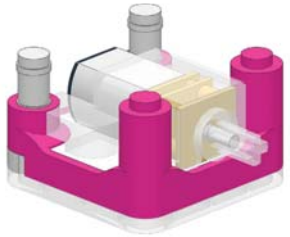

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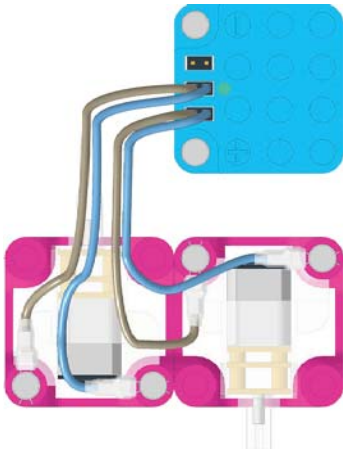

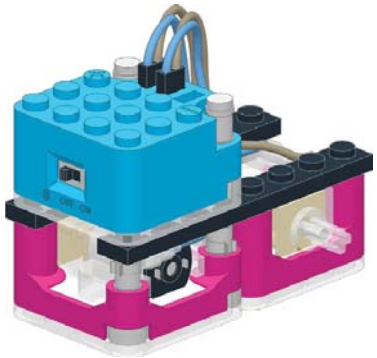

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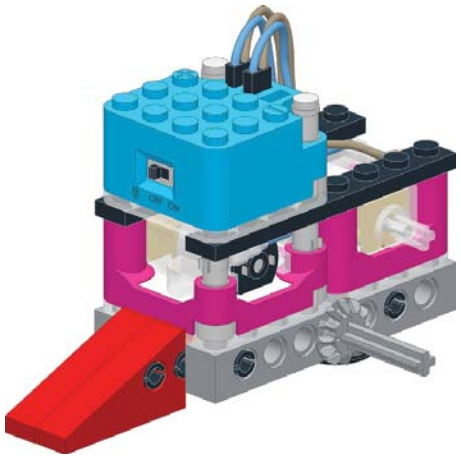

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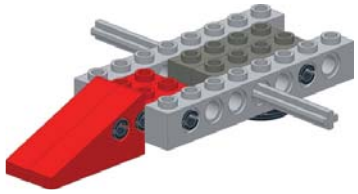
1 

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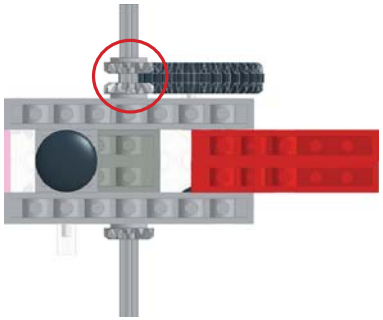

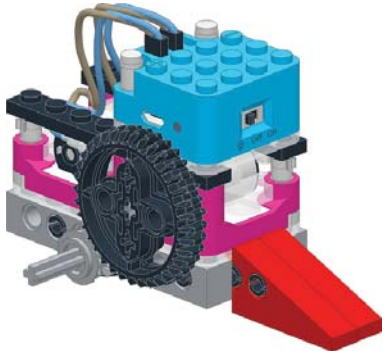

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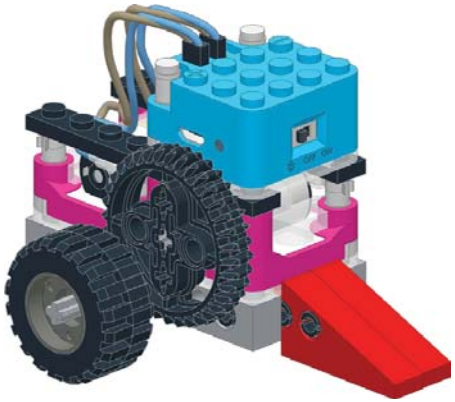

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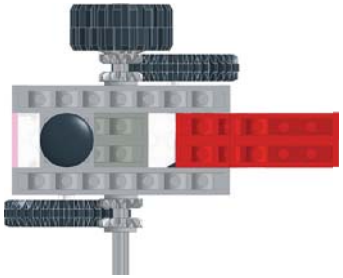

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APP CONTROL SETTINGS

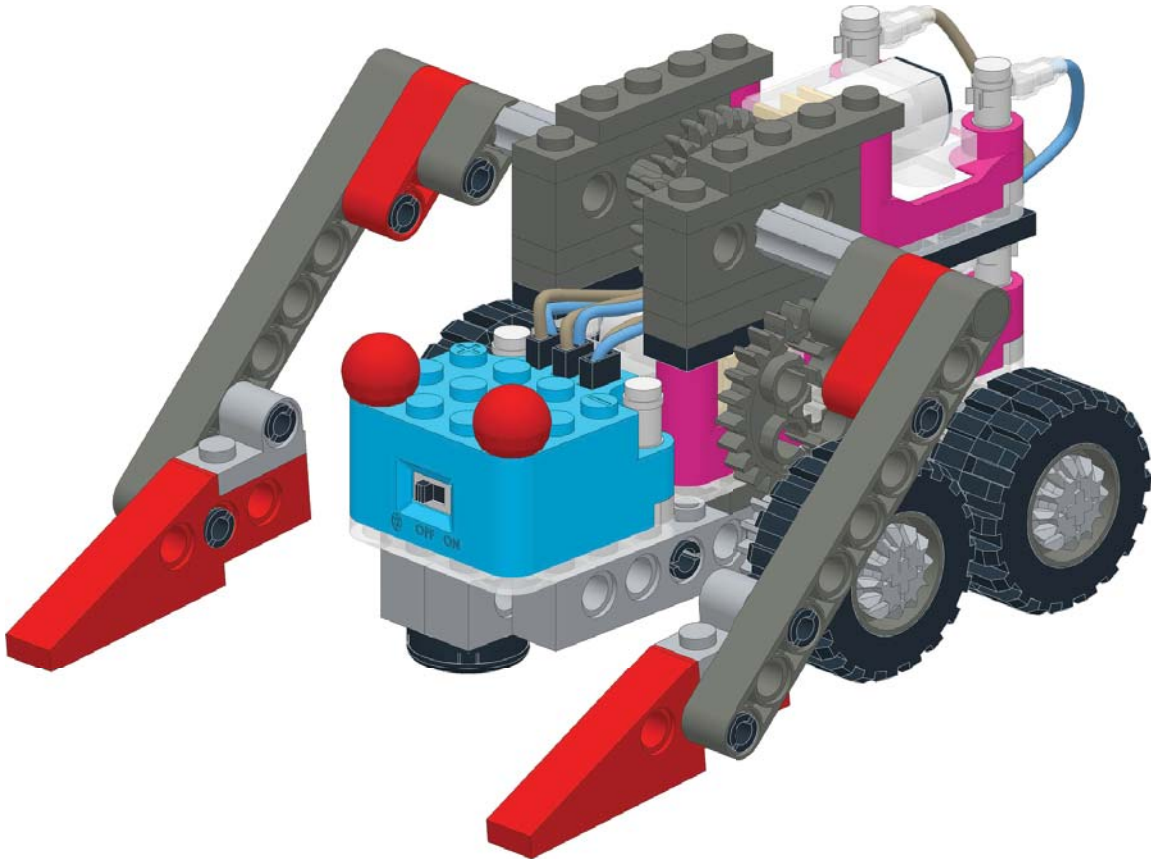
Set the outputs on the app to A, B or C according to the example to get your build rolling!

Download on the App Store

GET IT ON Google Play

TXR-A2

A STURDY SCOOPER WITH SERIOUS SKILLS



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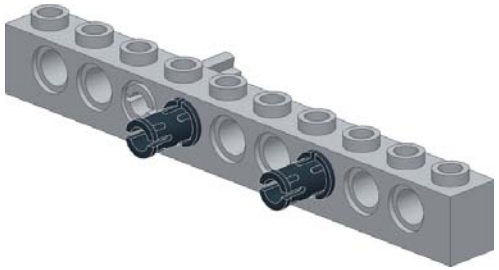

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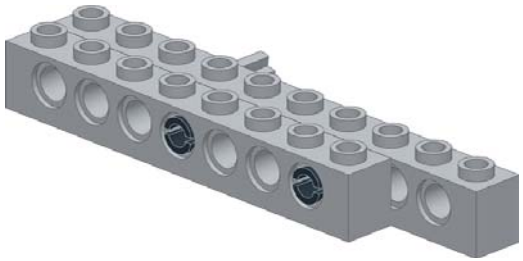

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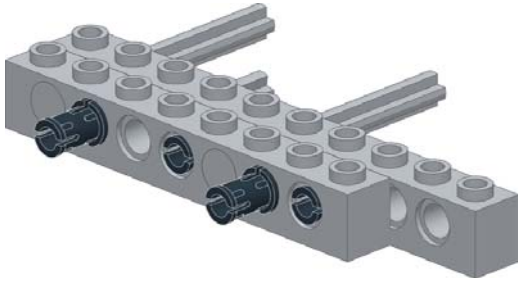

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1:1 SCALE

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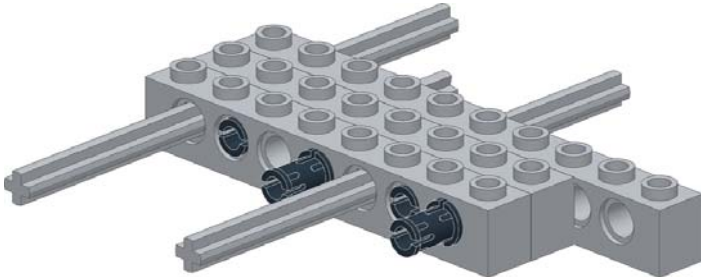
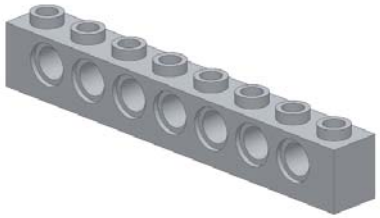


1 

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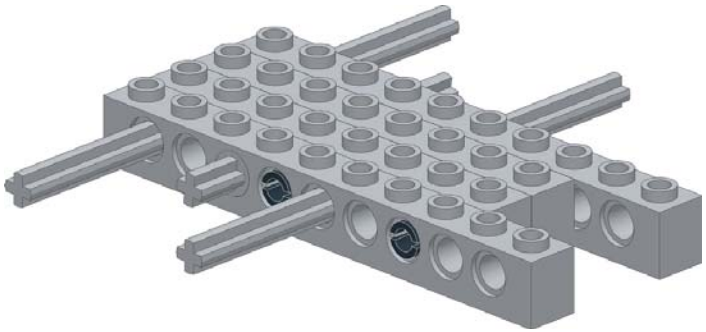

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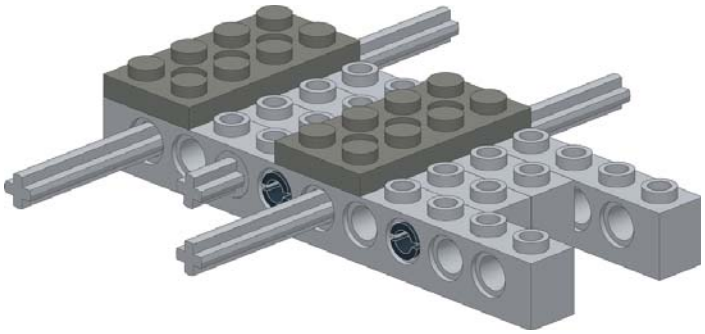

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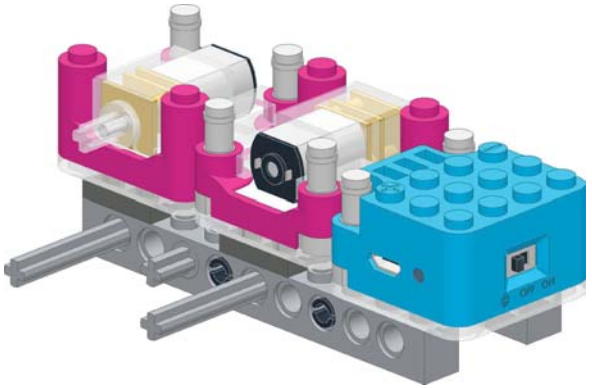

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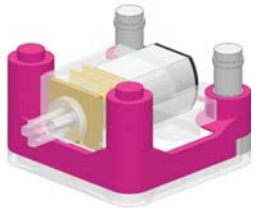

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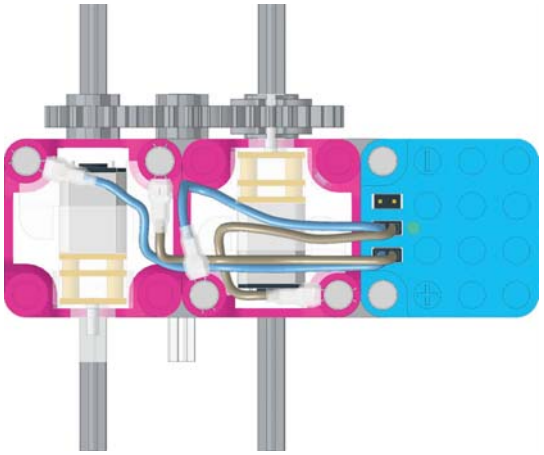

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3 INCH WIRES

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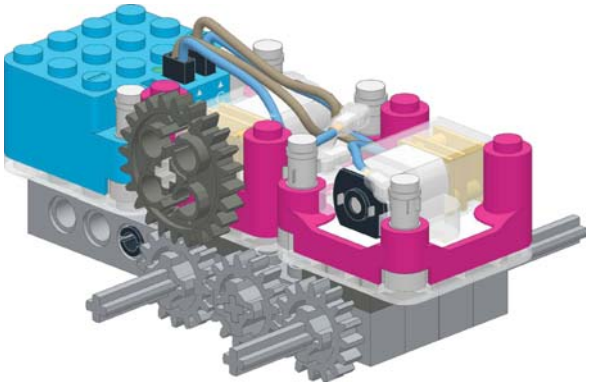

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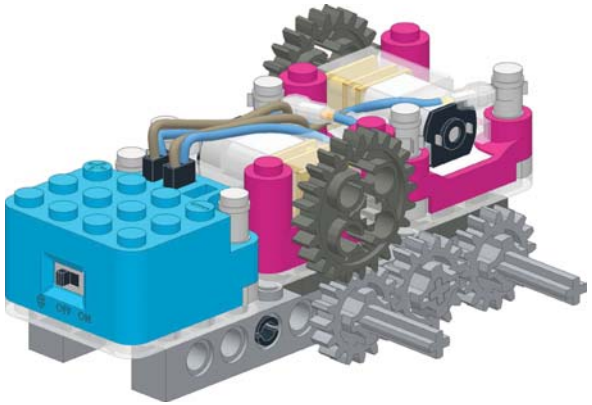

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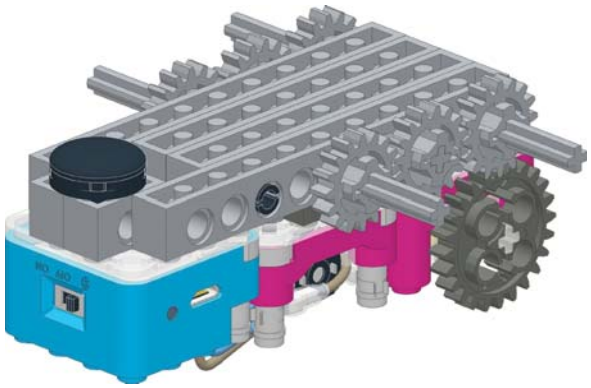

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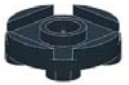
1 

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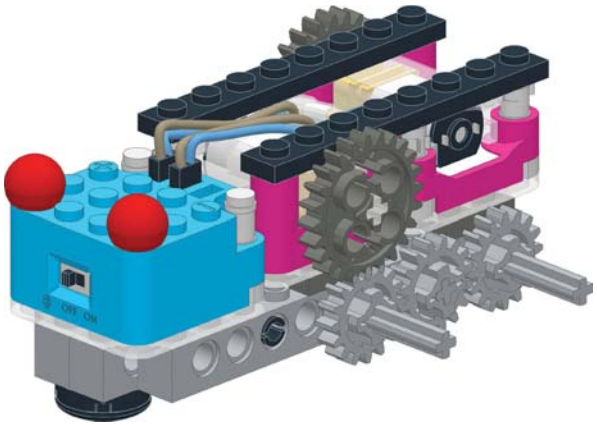

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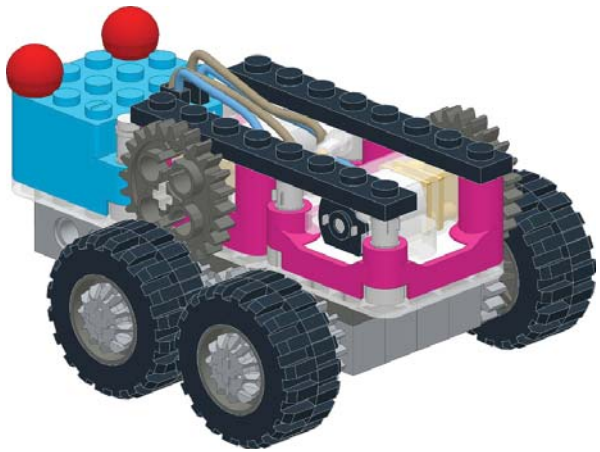

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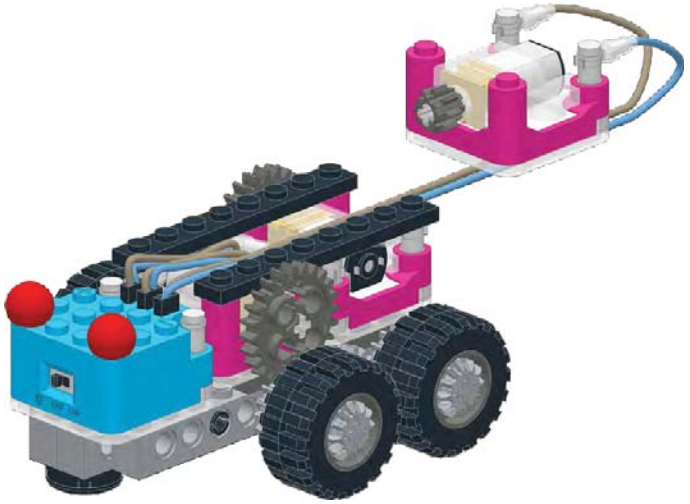

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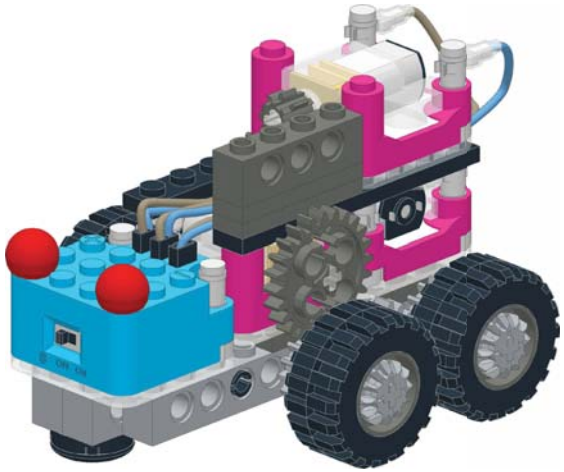

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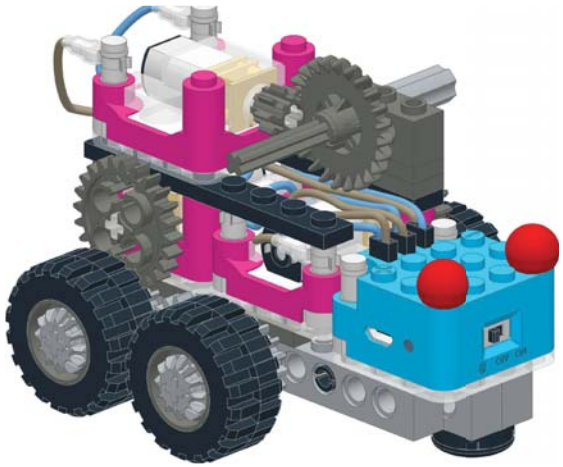

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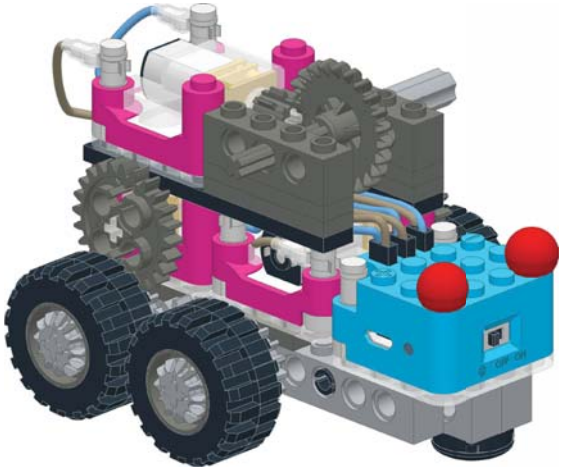

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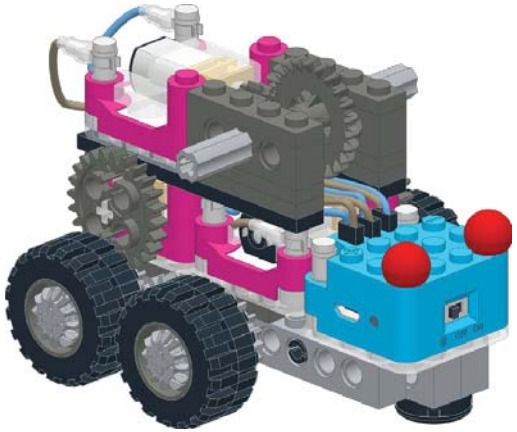

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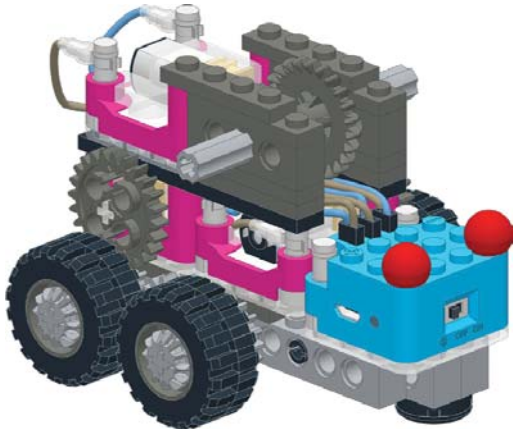

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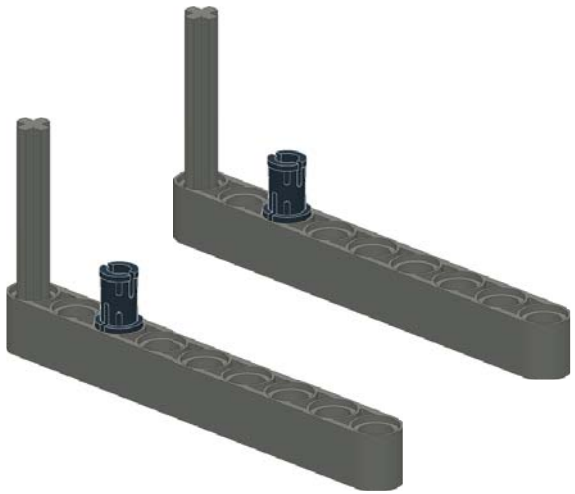
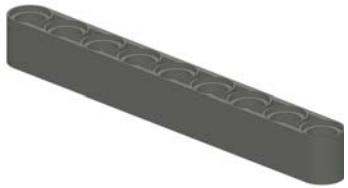


2 

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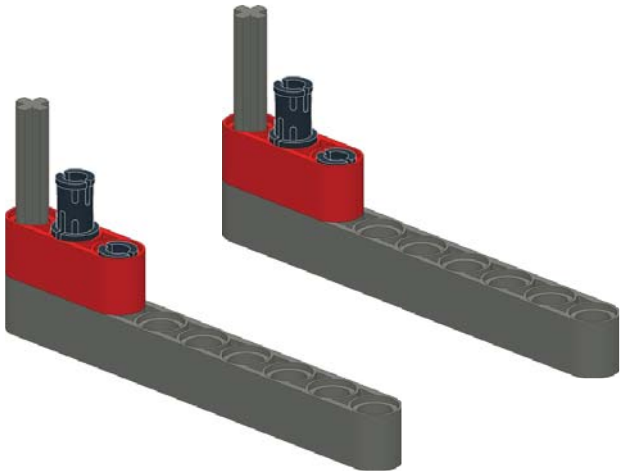

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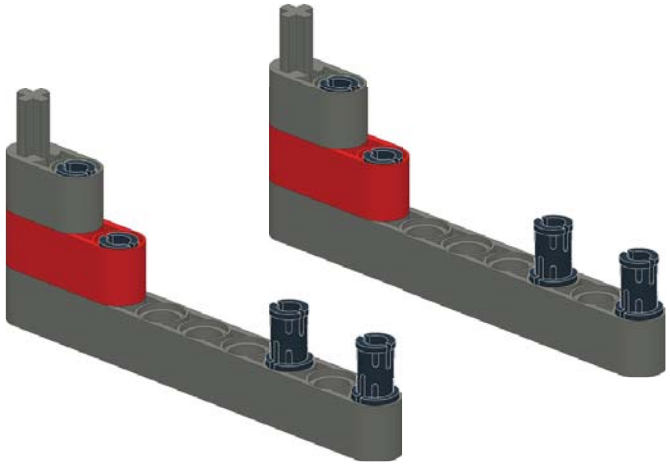

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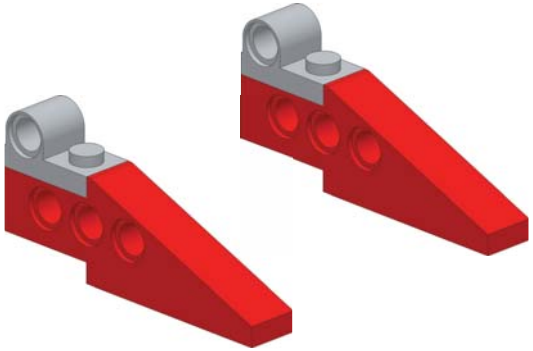
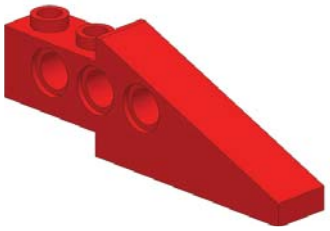
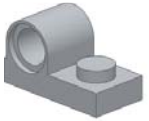


2 

2 

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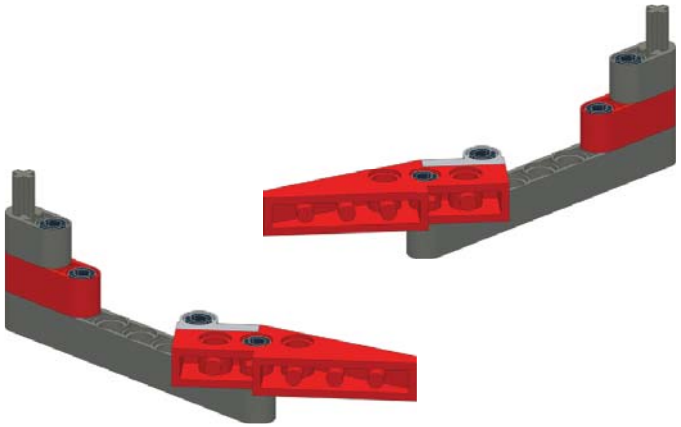

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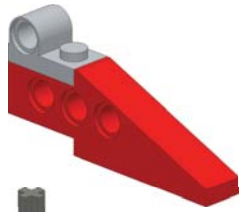

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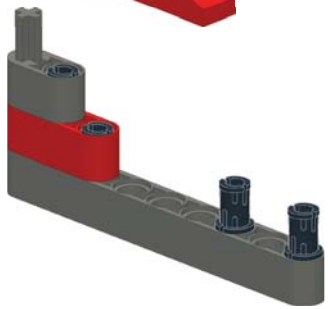

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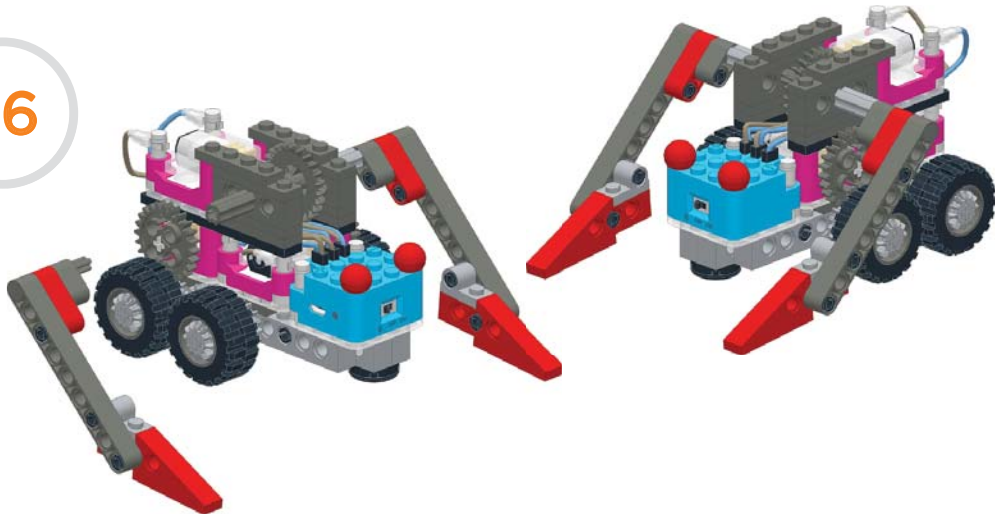

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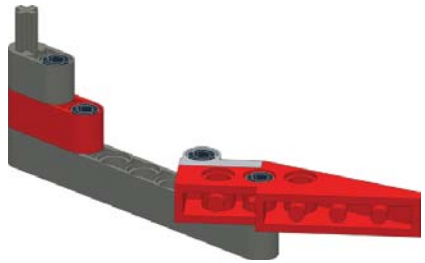
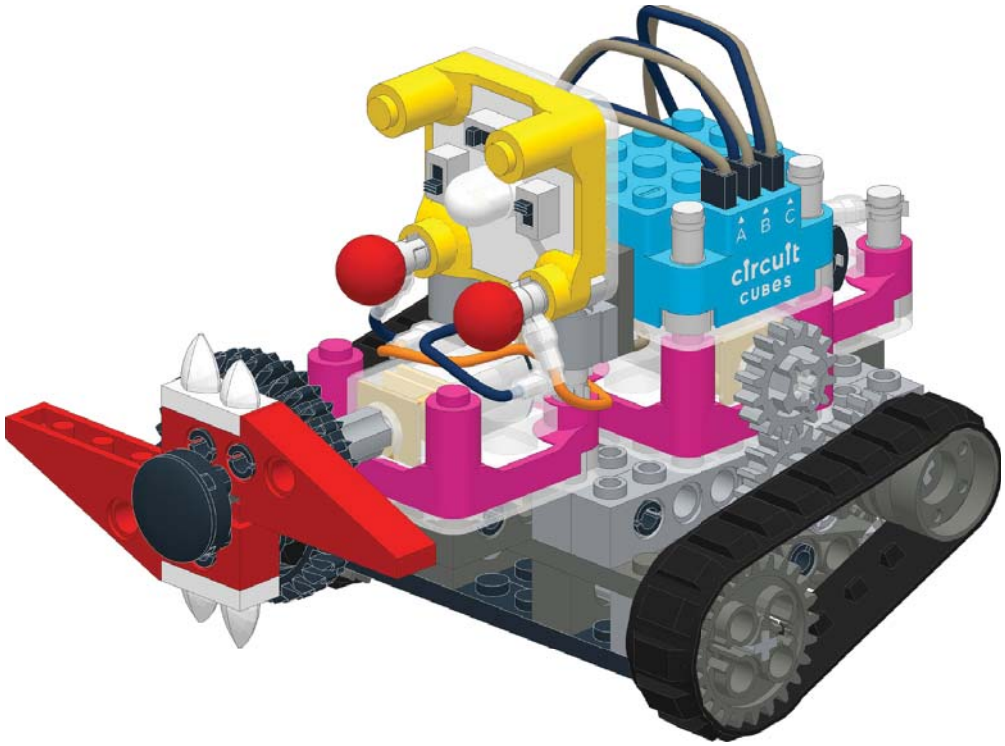


TXR-A3

ONE BRIGHT BOT WITH TWIRLING TEETH



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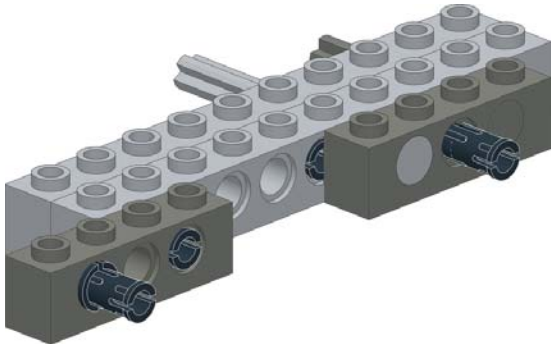

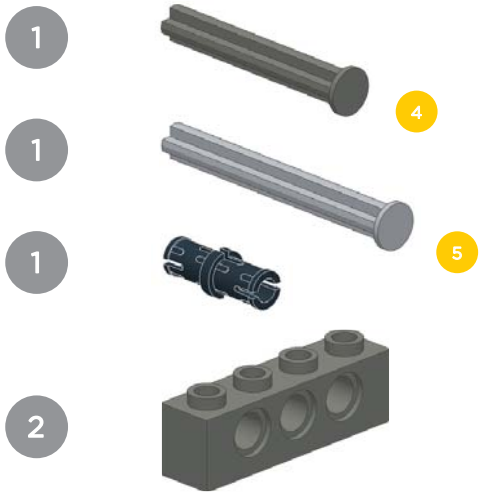

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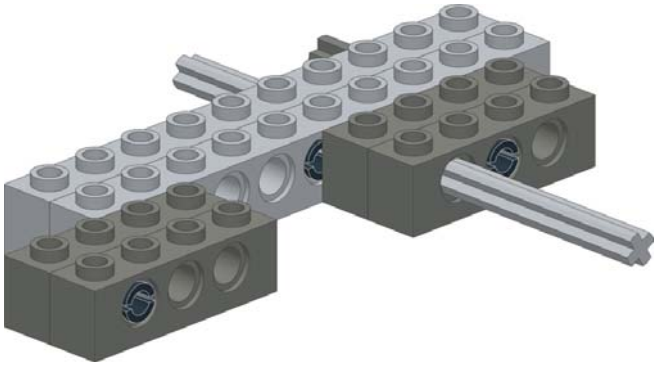

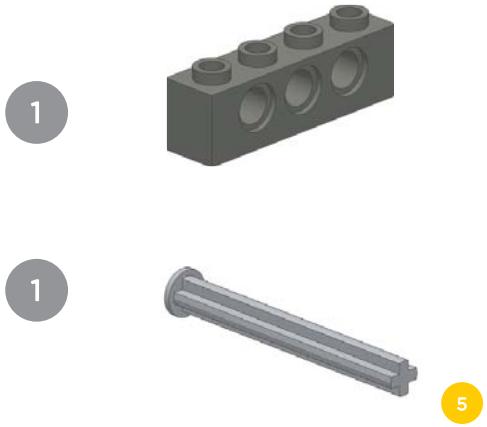

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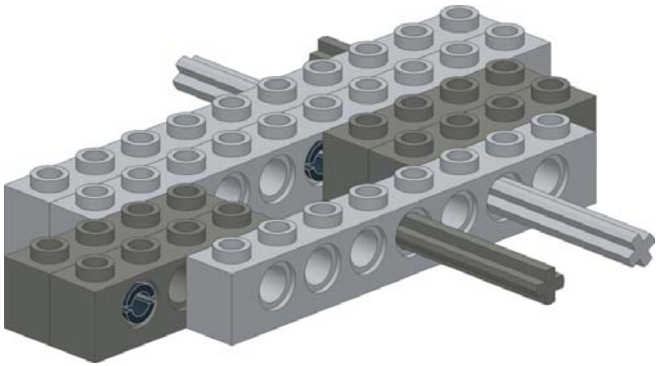
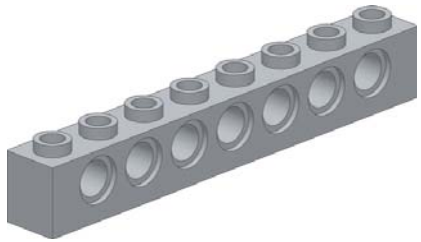


1 

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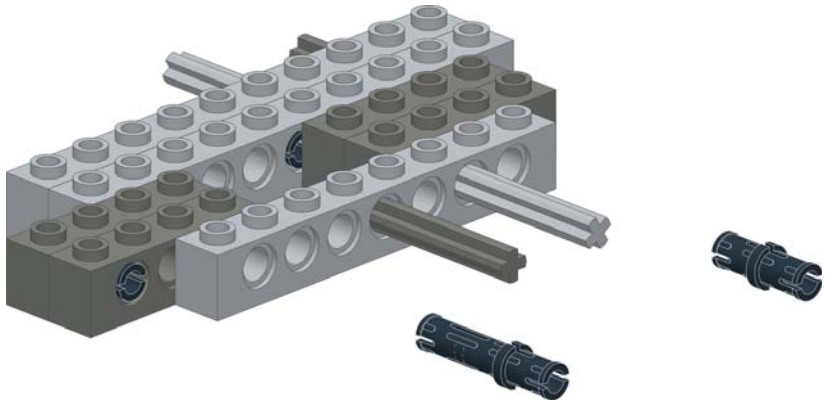

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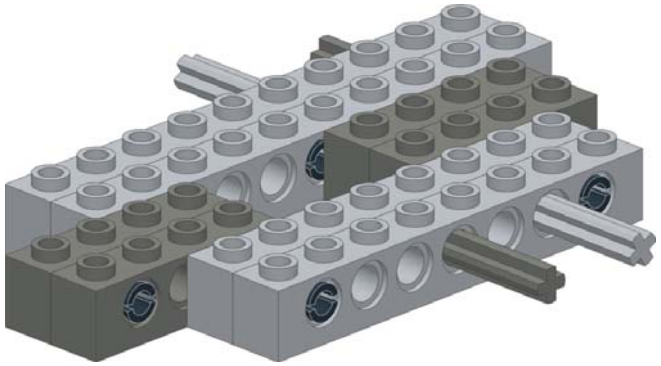

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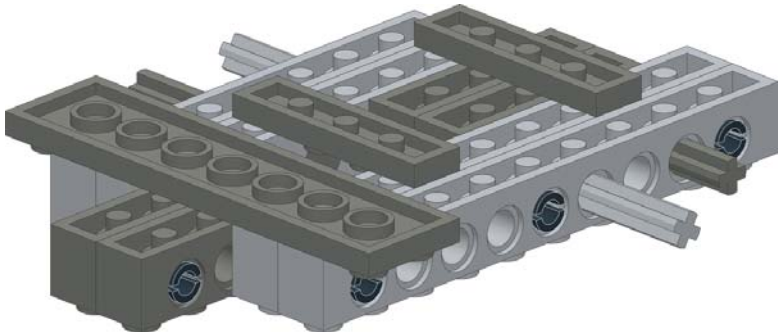

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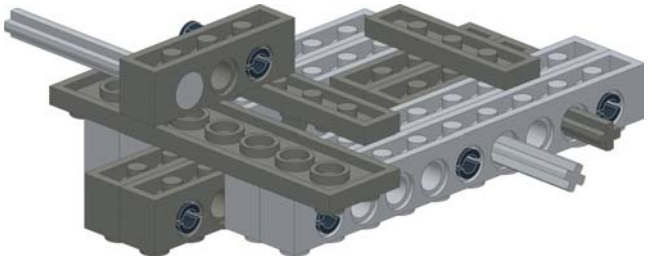

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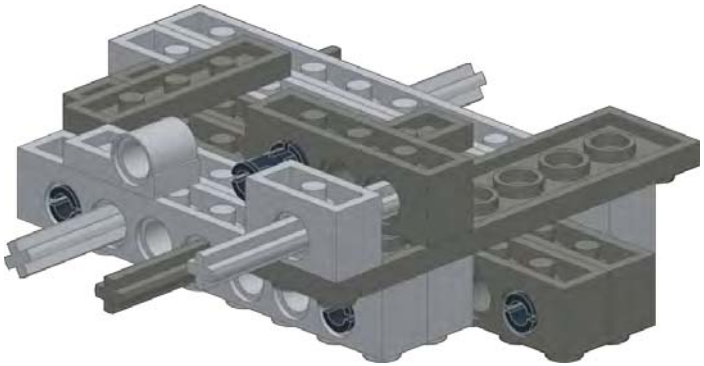

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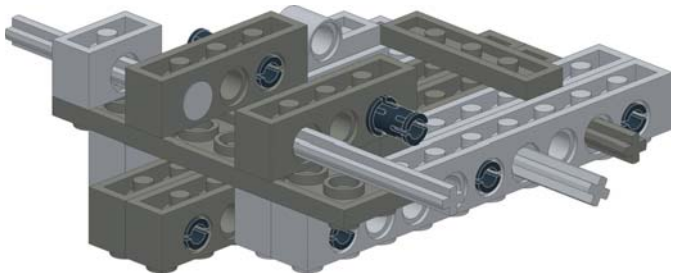

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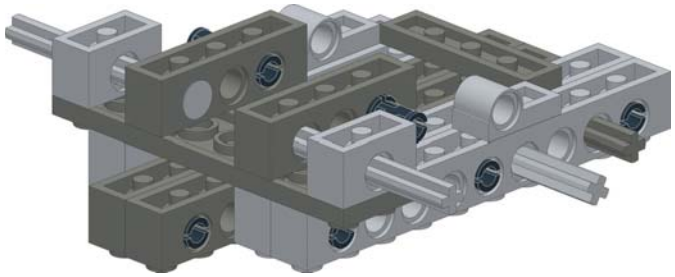

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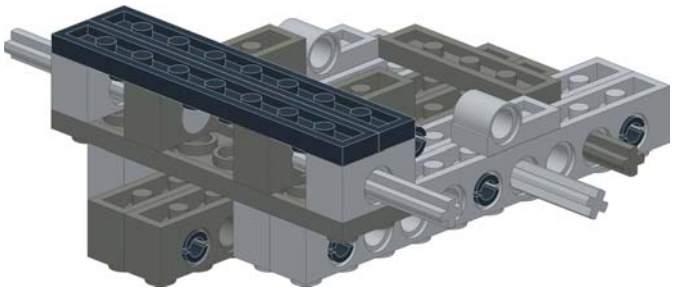

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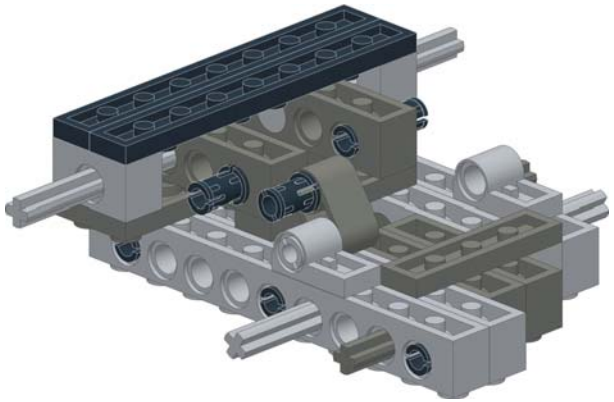

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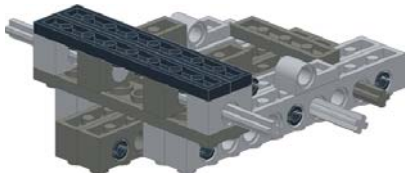
1 

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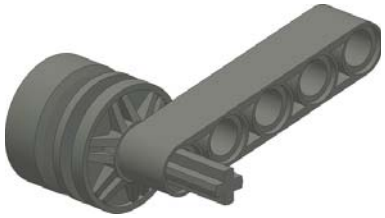

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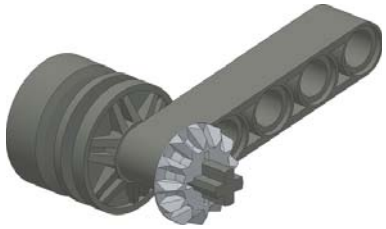

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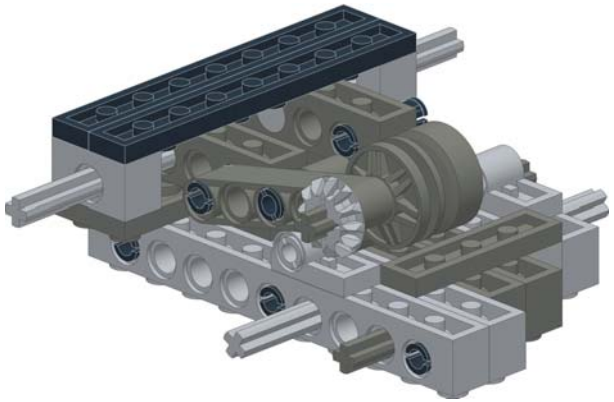

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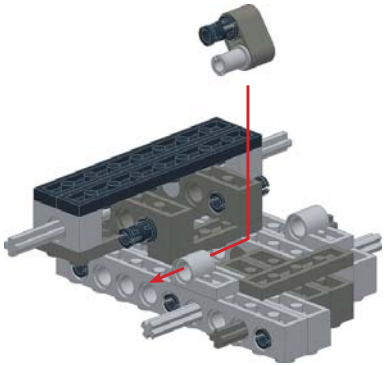

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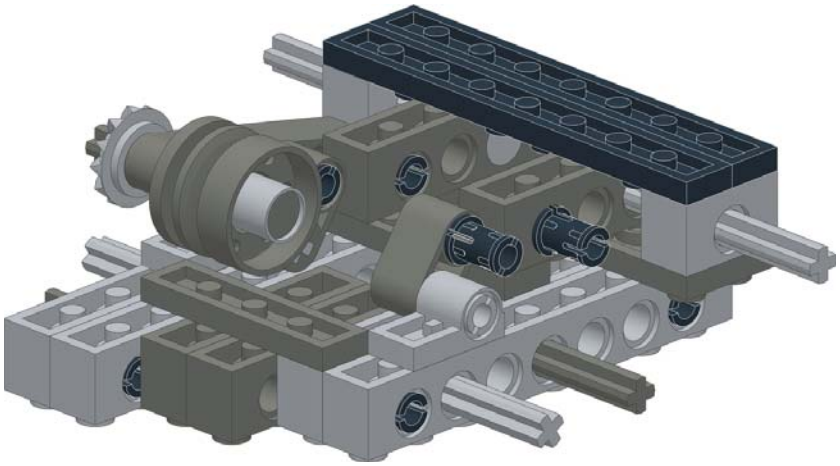

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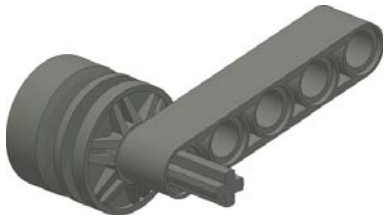

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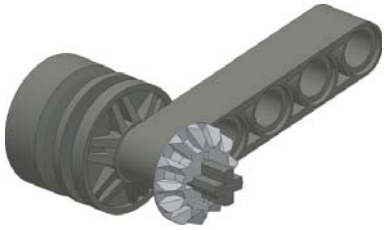

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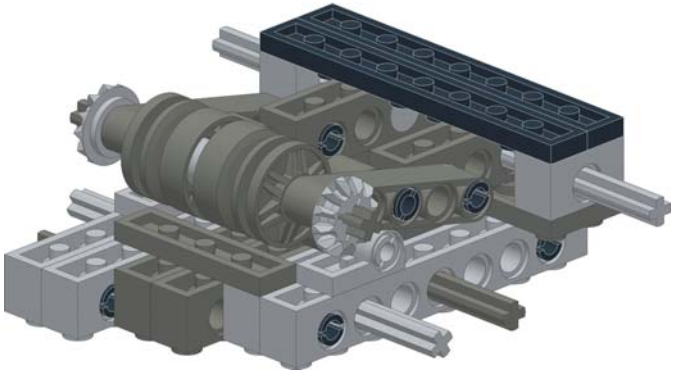

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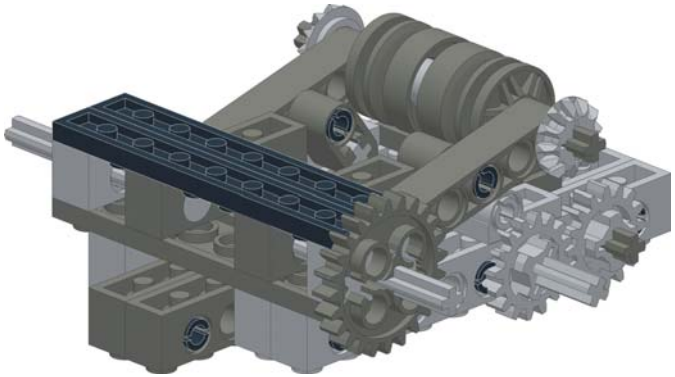

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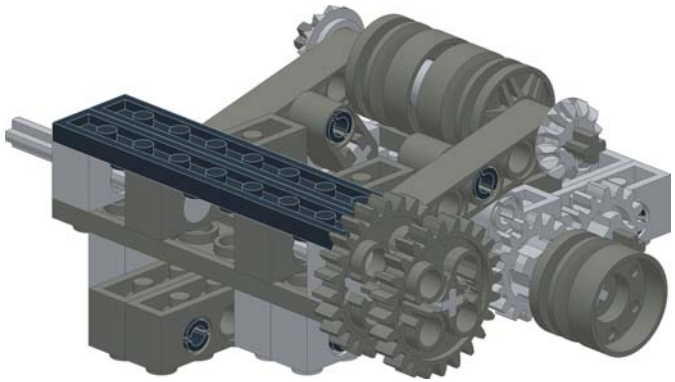

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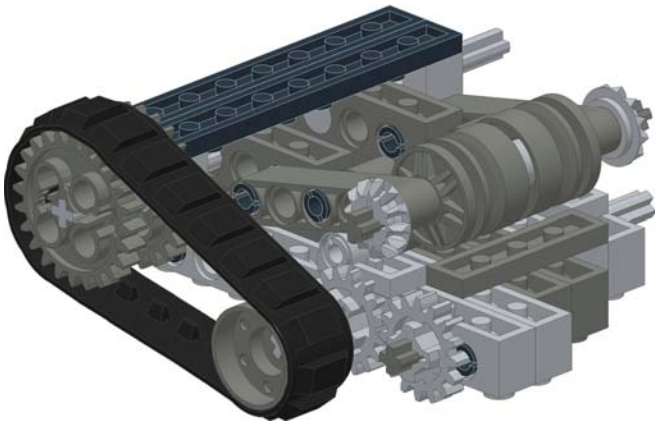

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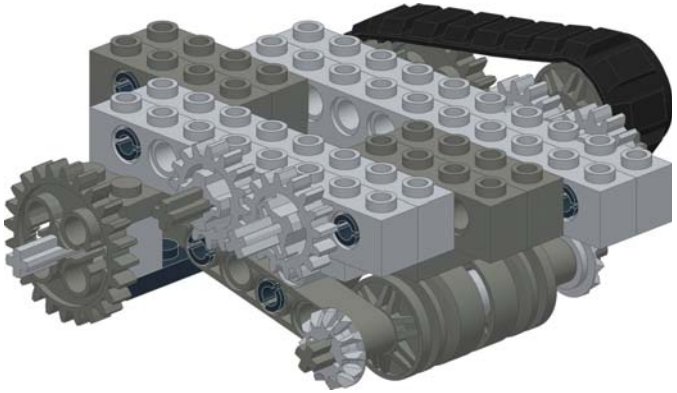

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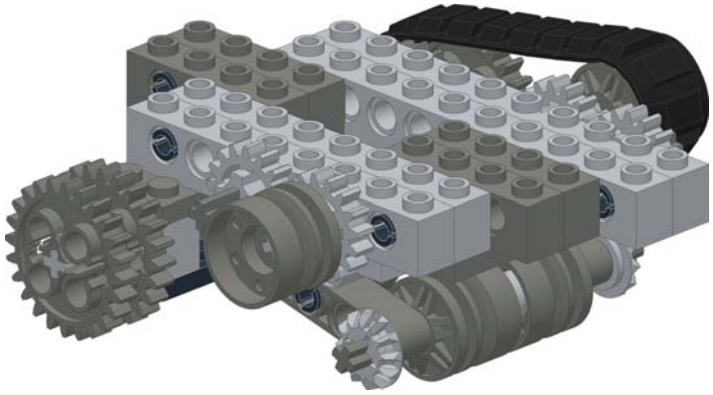

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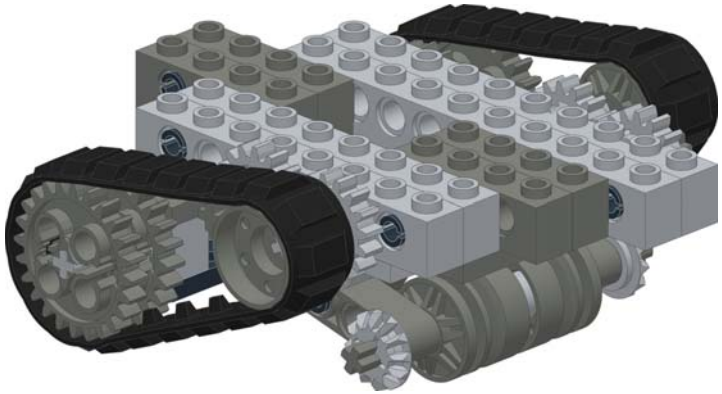

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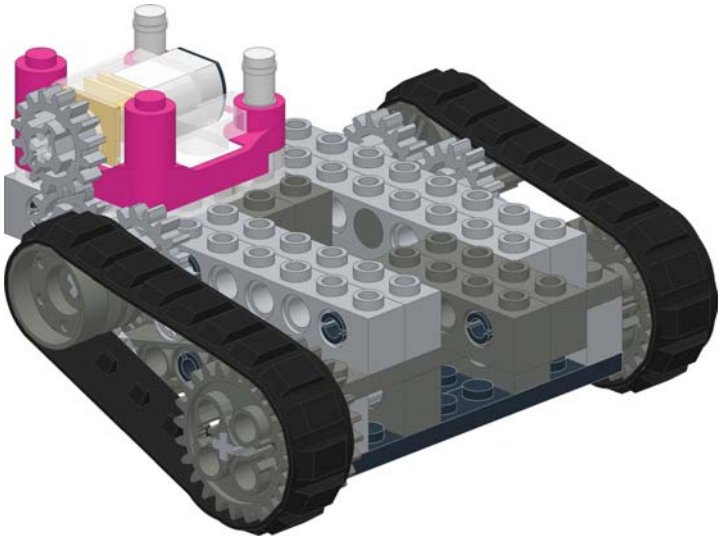

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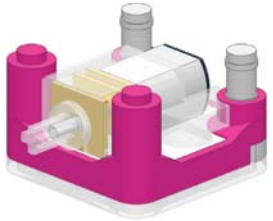

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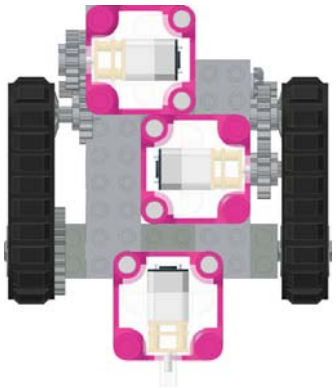

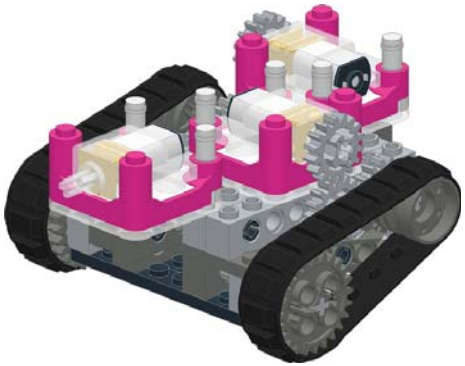

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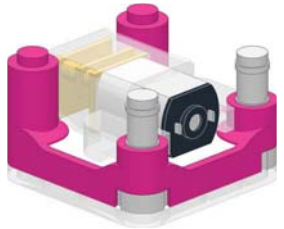

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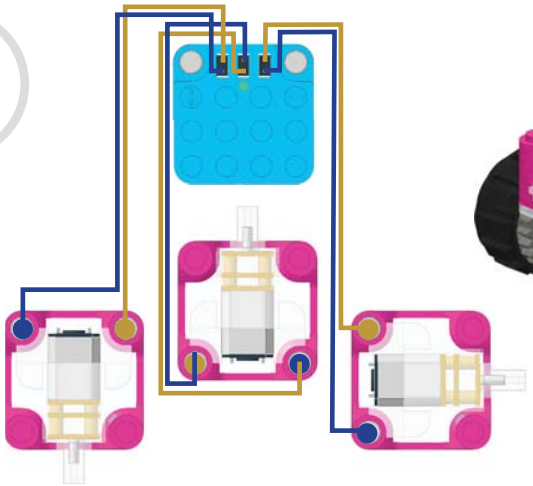

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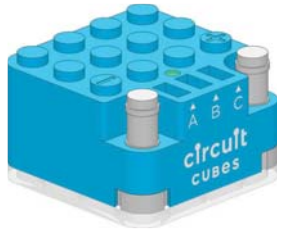

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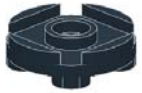
1 

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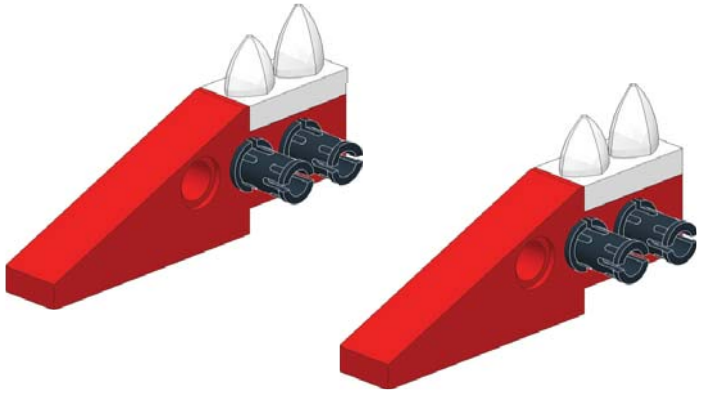

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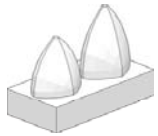
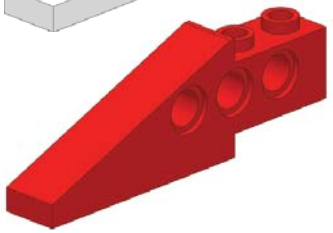
2 

2 

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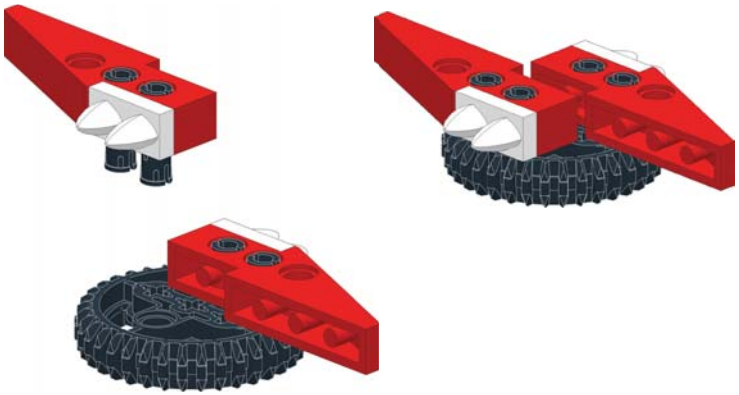

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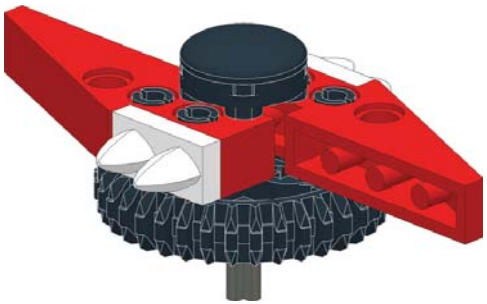

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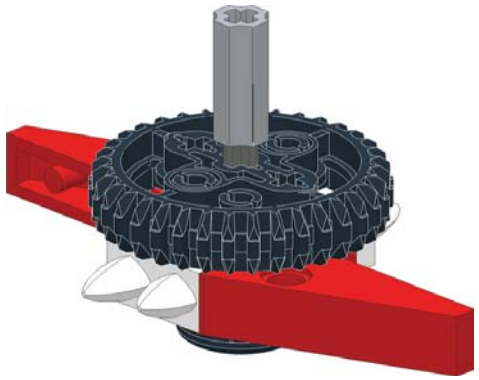

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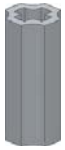

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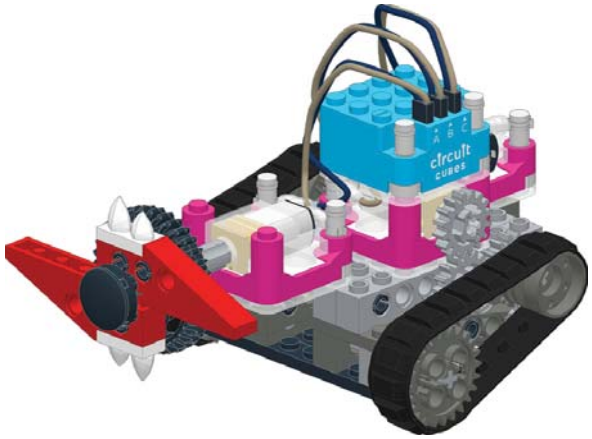

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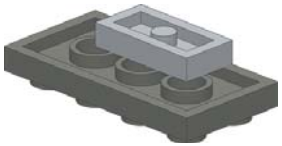

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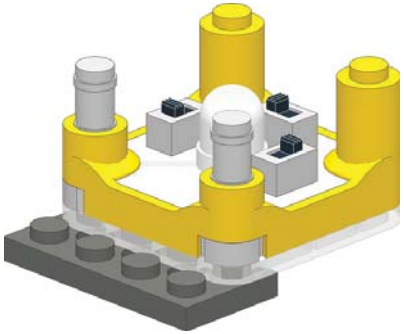

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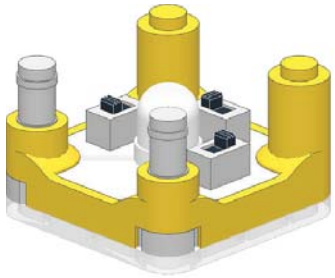

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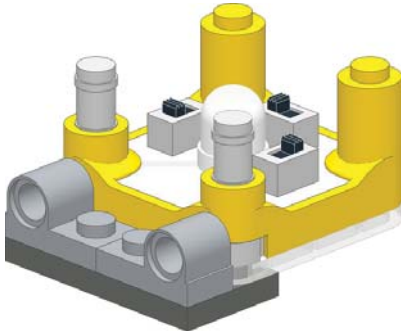

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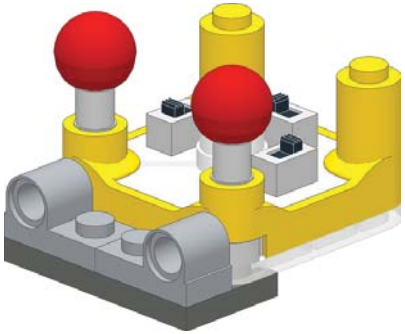

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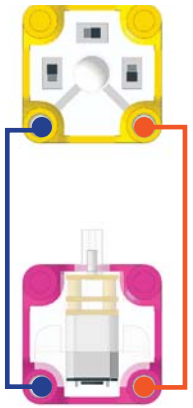
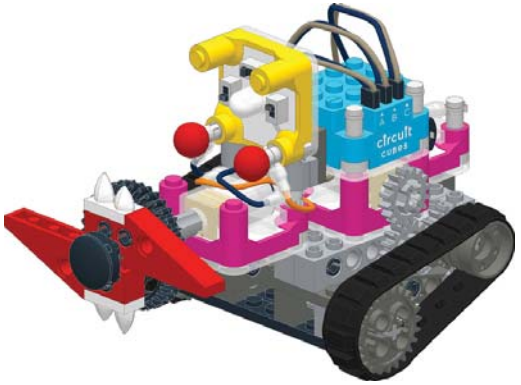
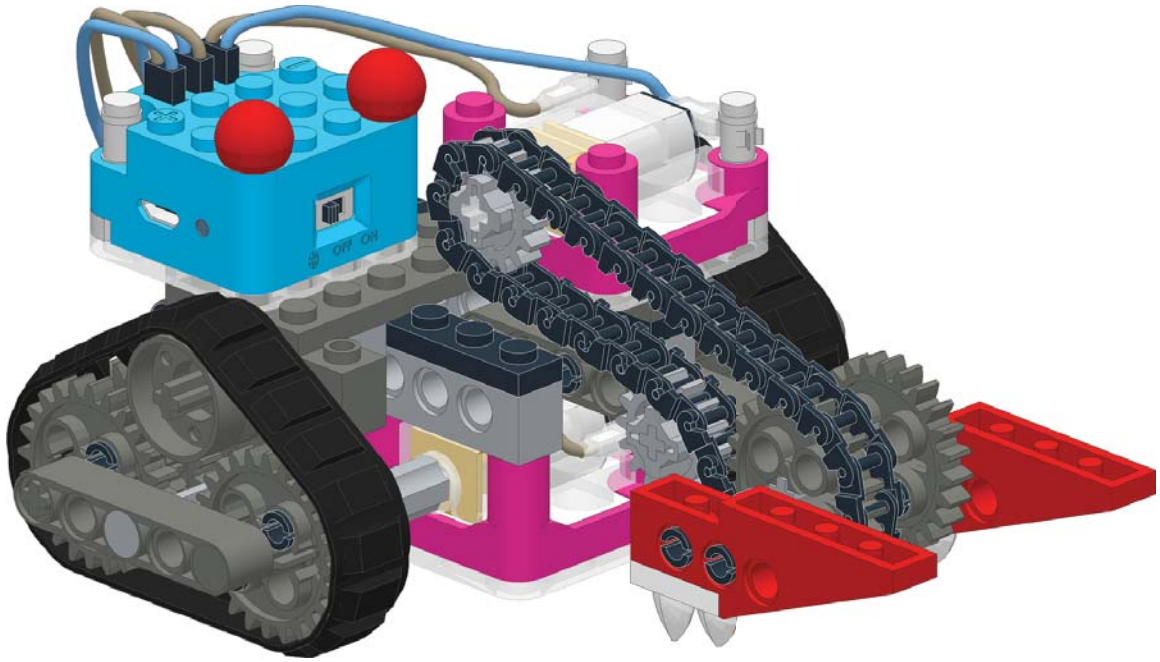




TXR-A4

A GIANT GRINDER WITH ONE MEAN BITE



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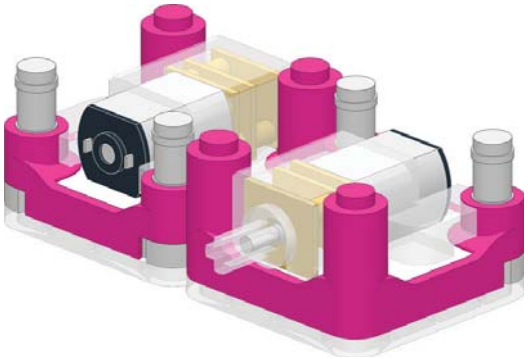

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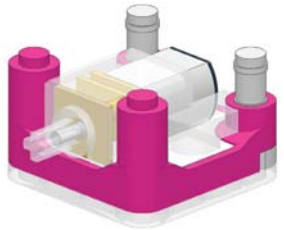

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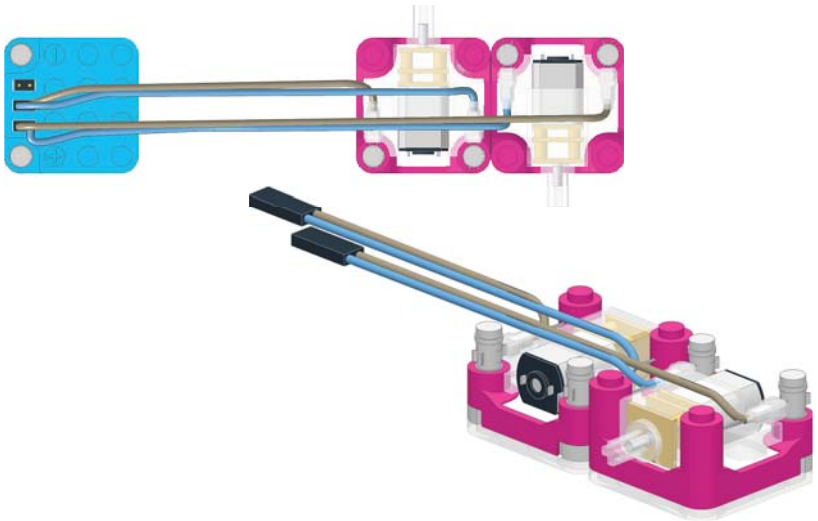

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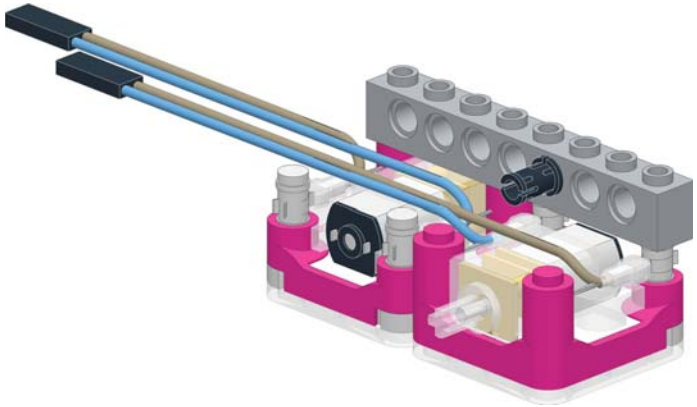

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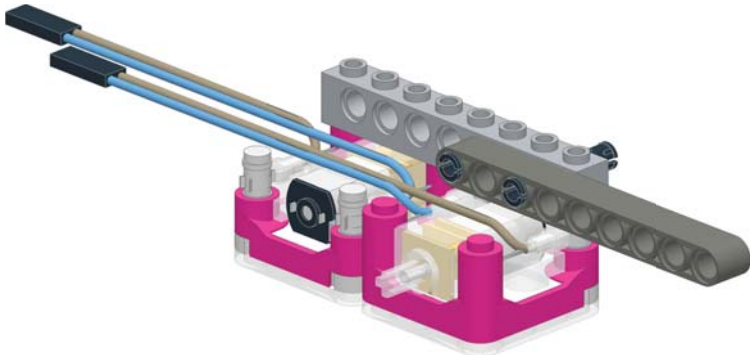
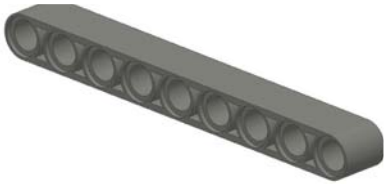


1 

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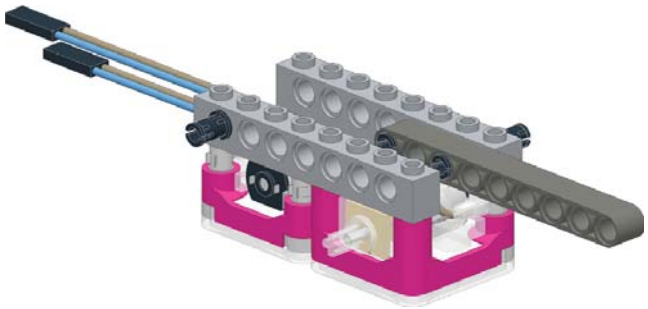
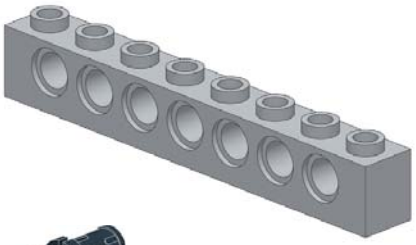


1 

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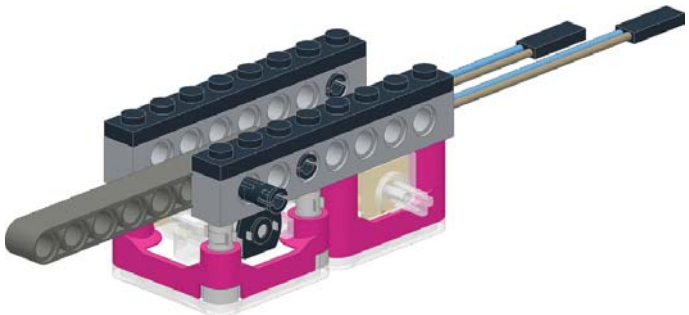

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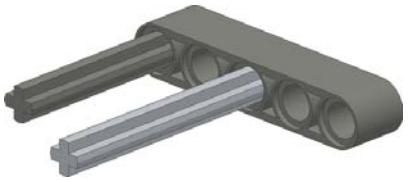

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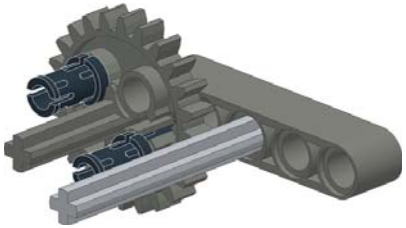

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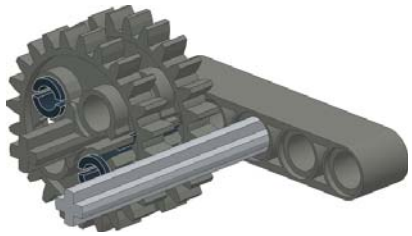

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1:1 SCALE

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11

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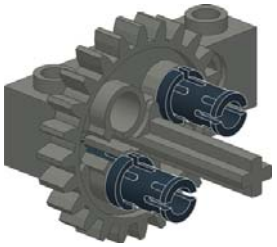

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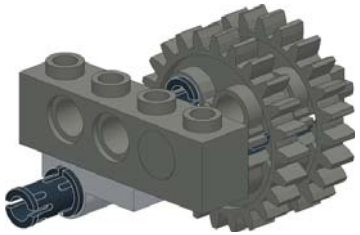
12

2x

1

13

2x



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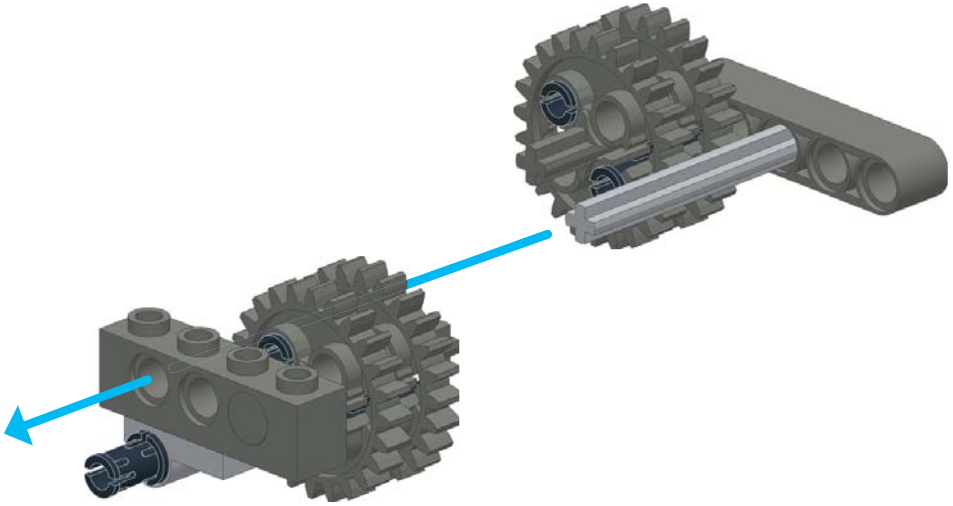

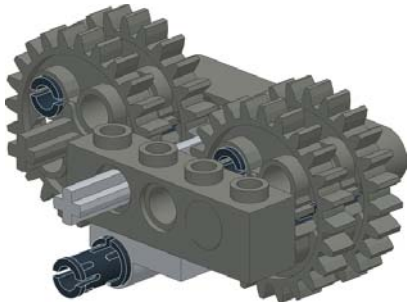

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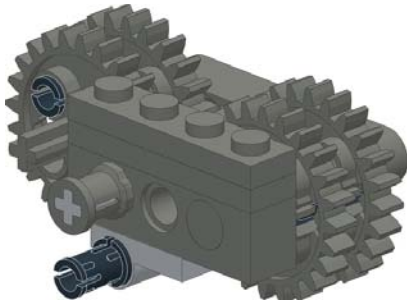

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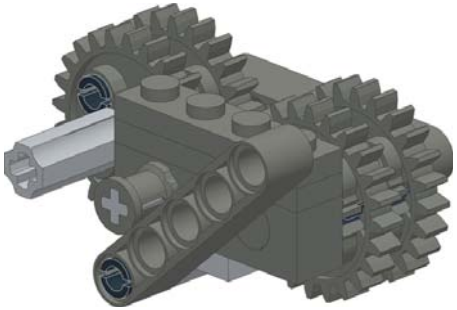

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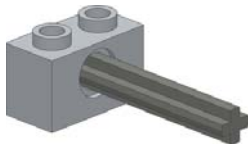

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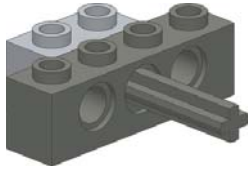

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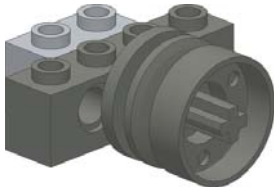

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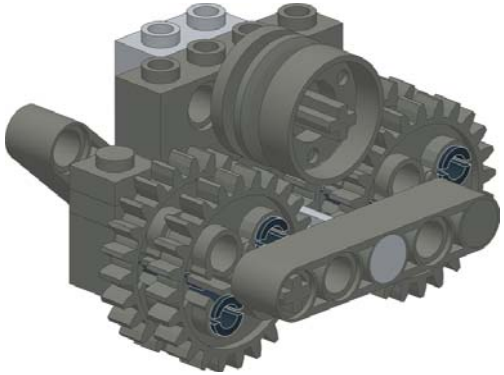

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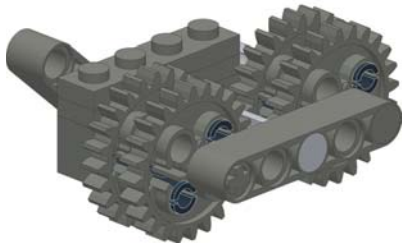

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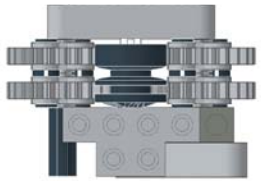
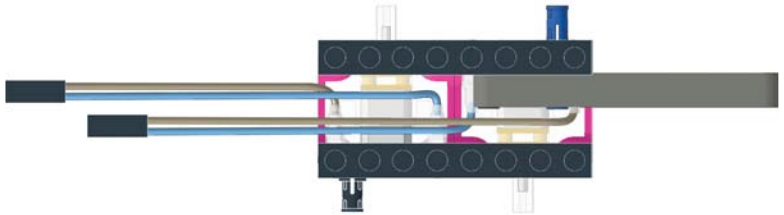
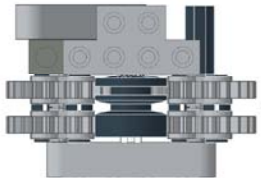




DO STEPS 7-20 TWICE



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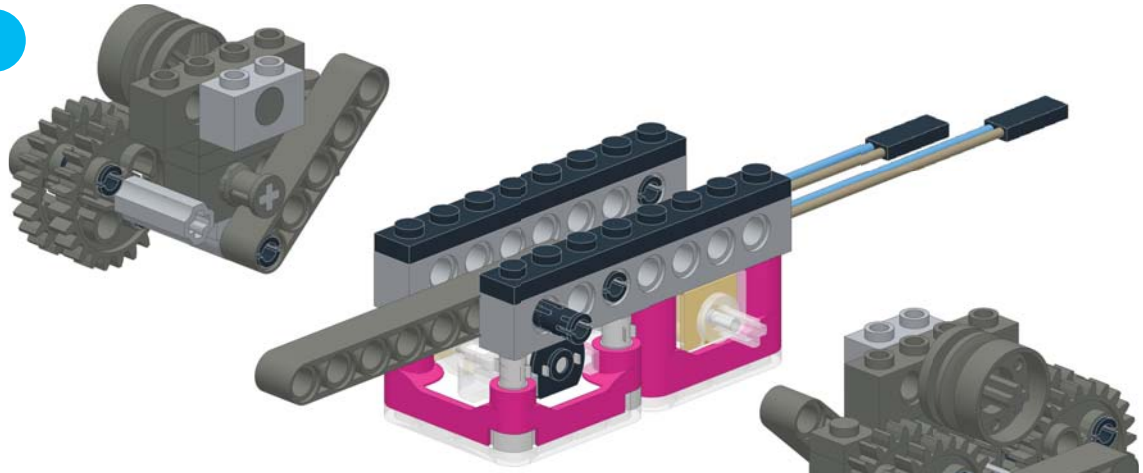

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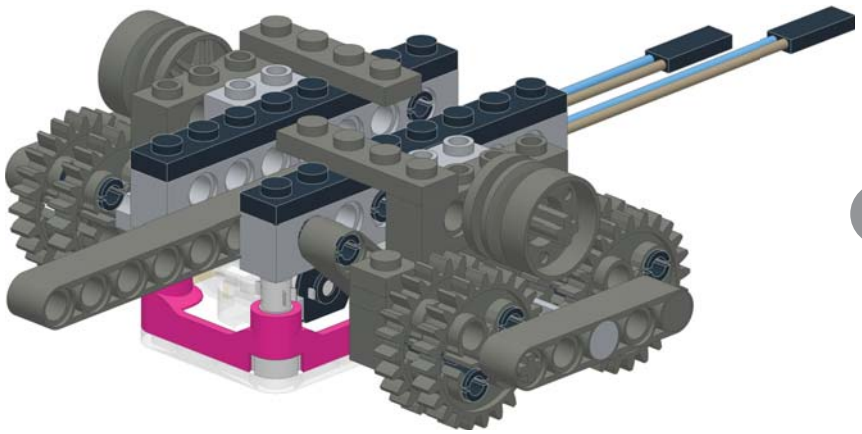

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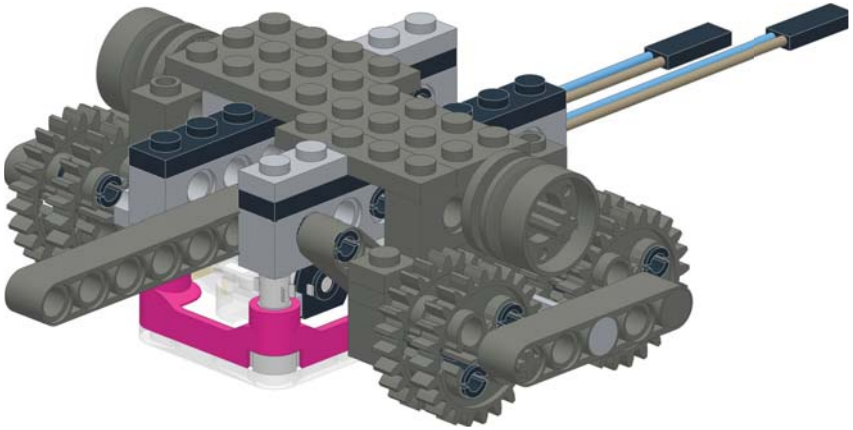
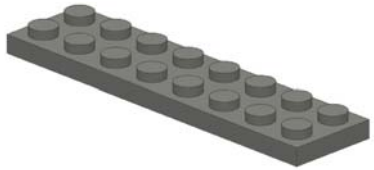
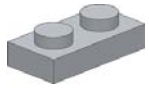


1 

2 

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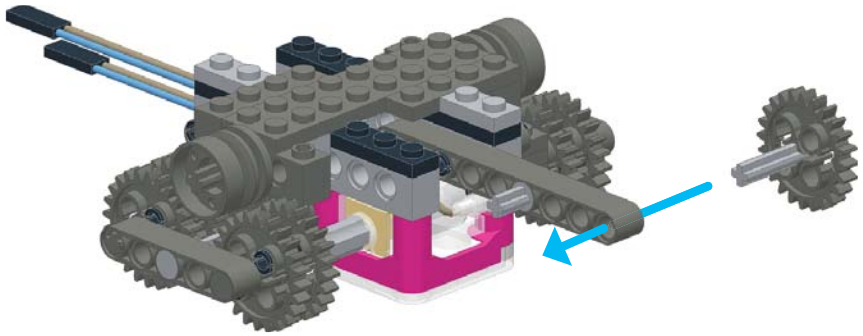

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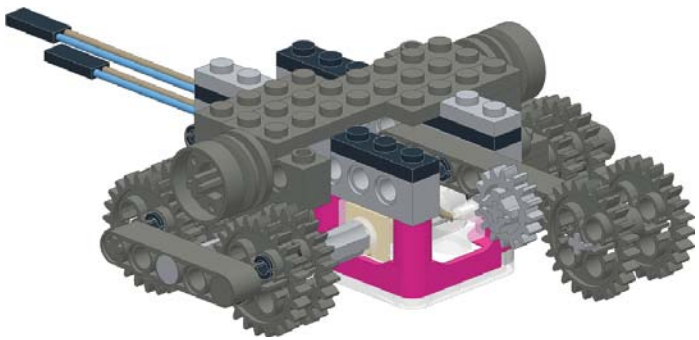

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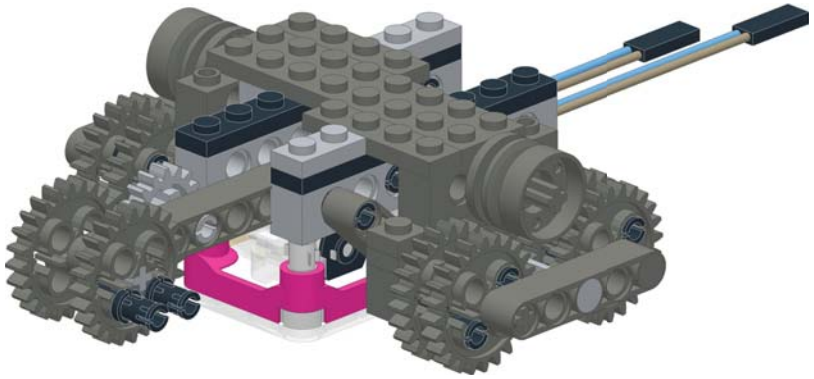

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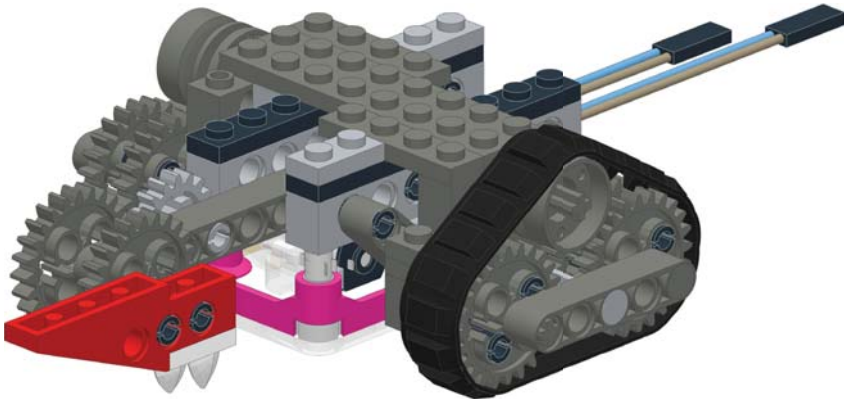

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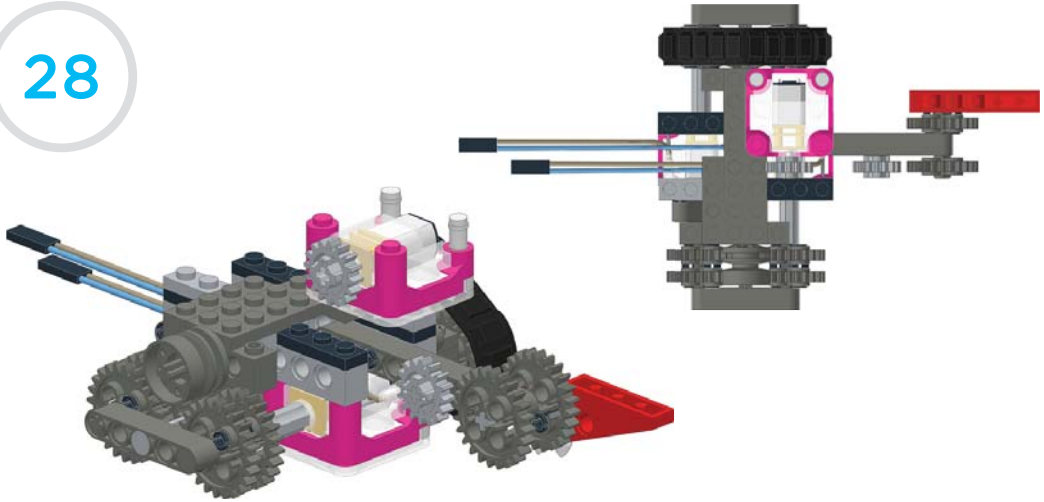

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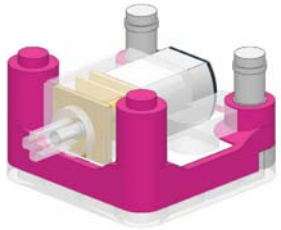

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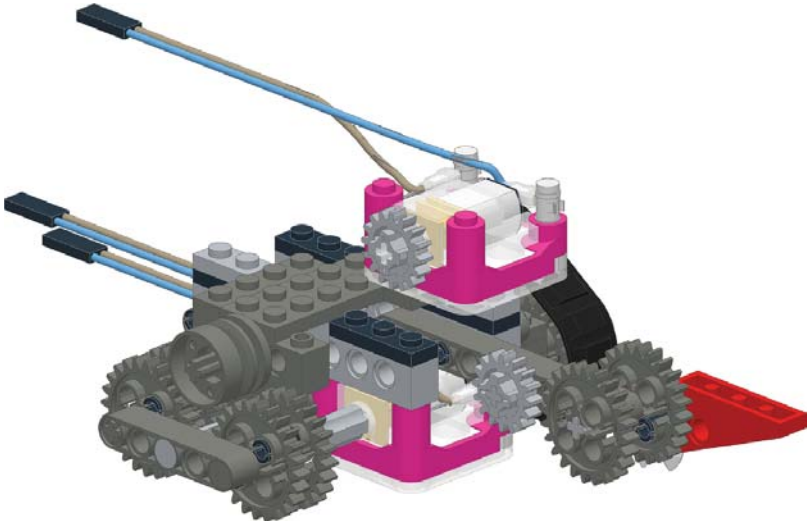

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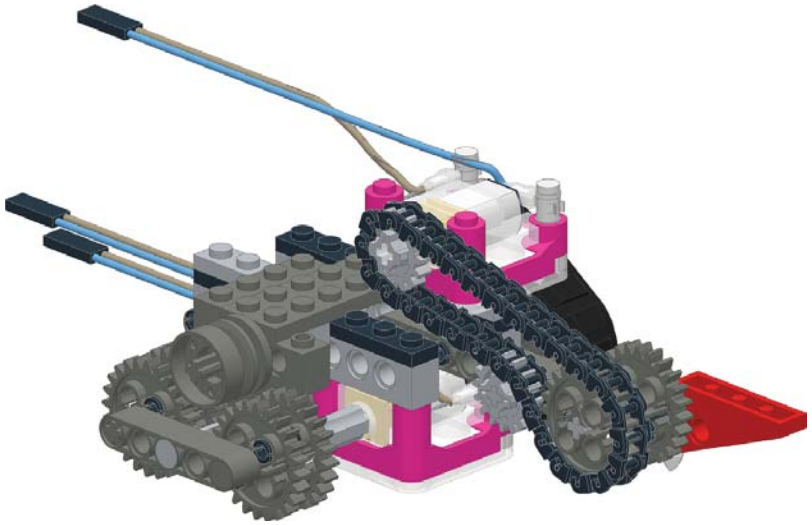

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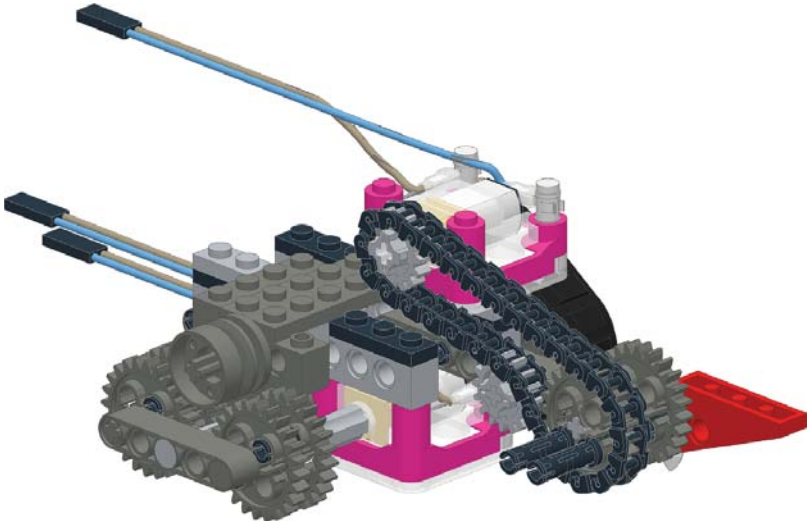

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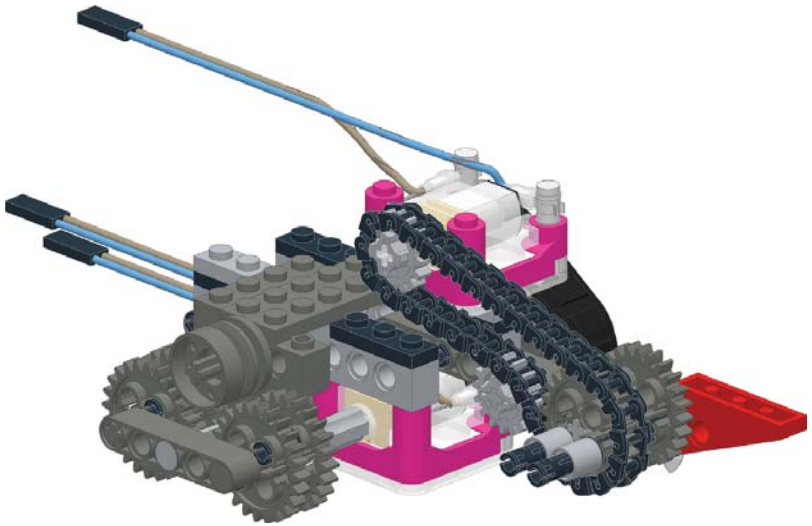

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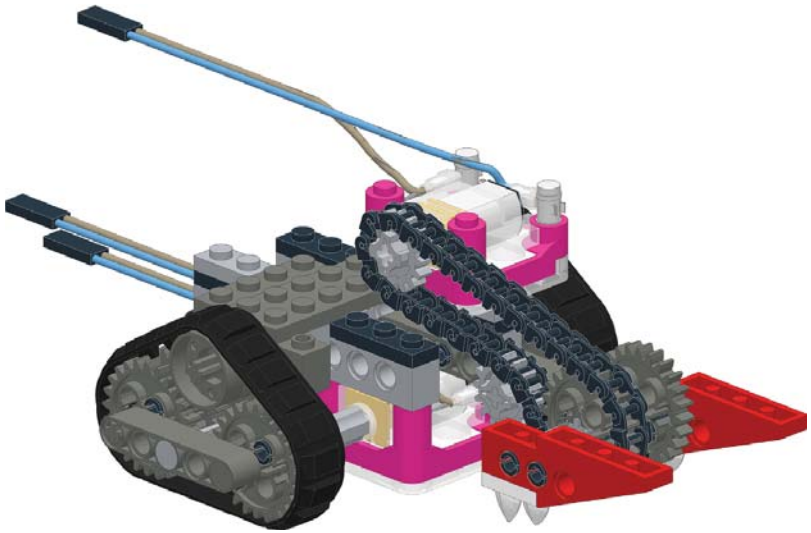

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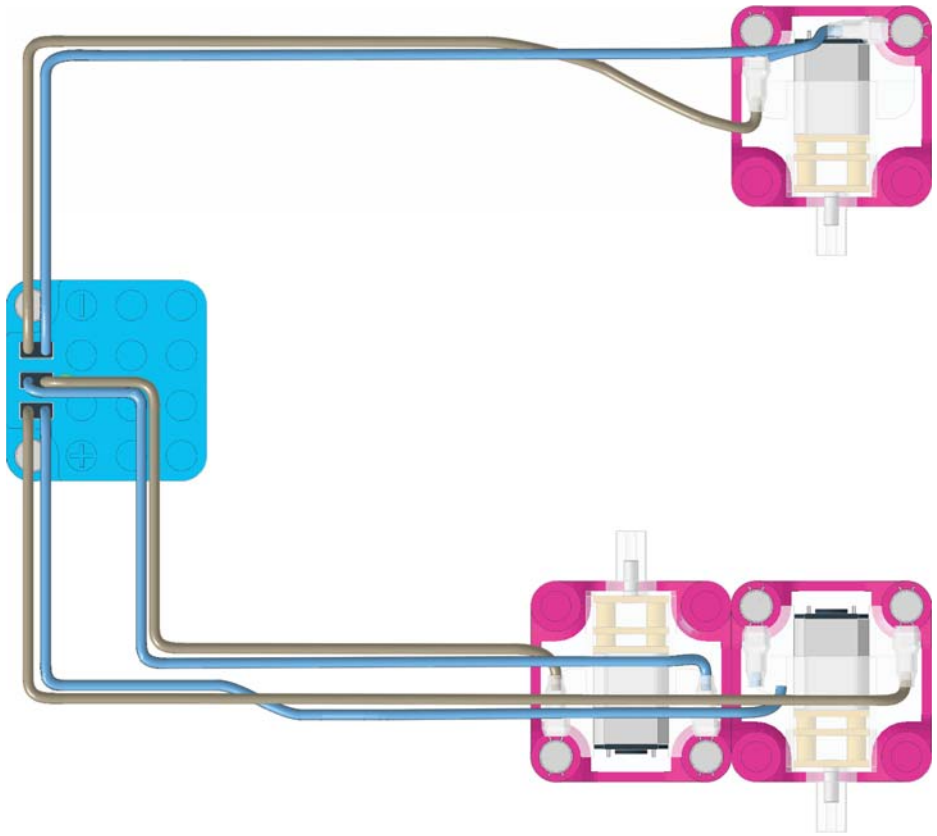

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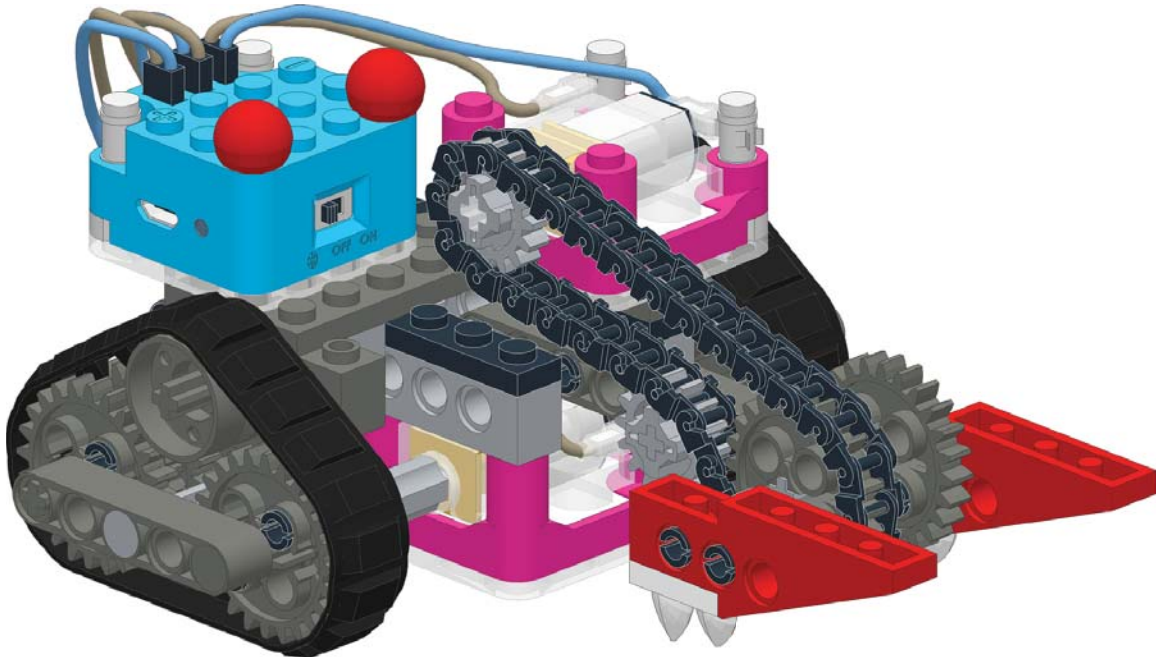

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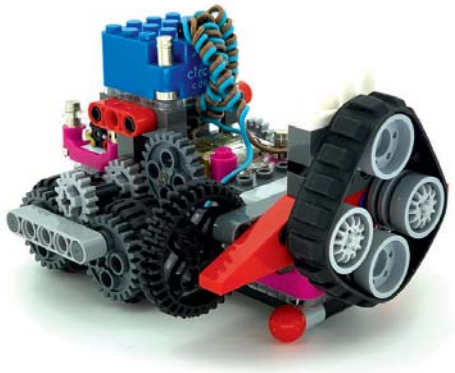

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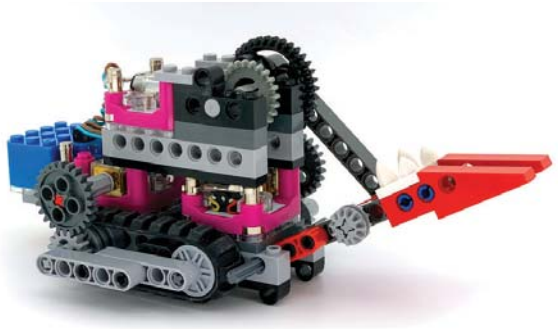

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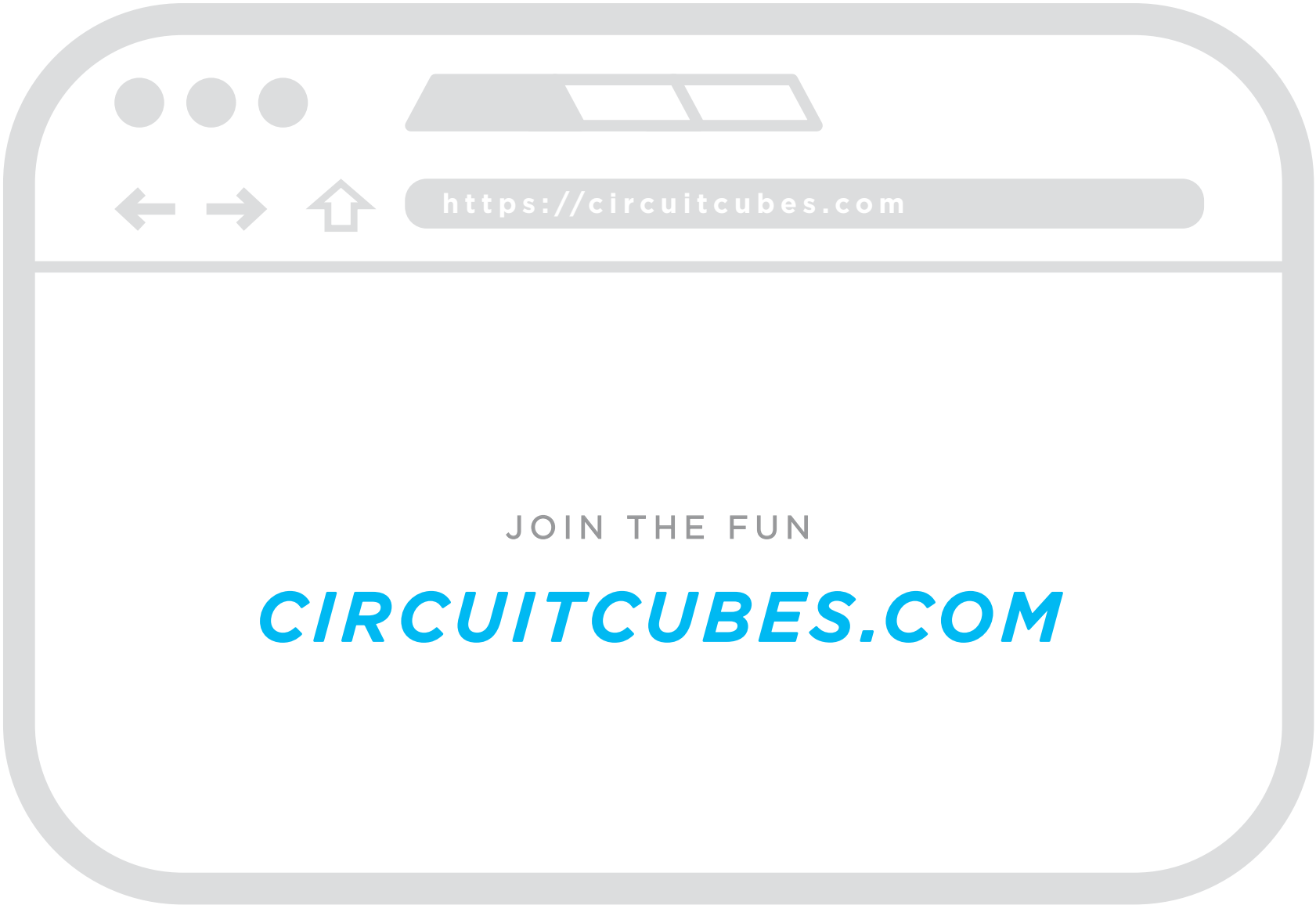

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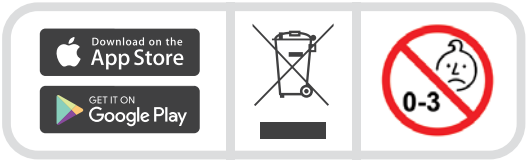

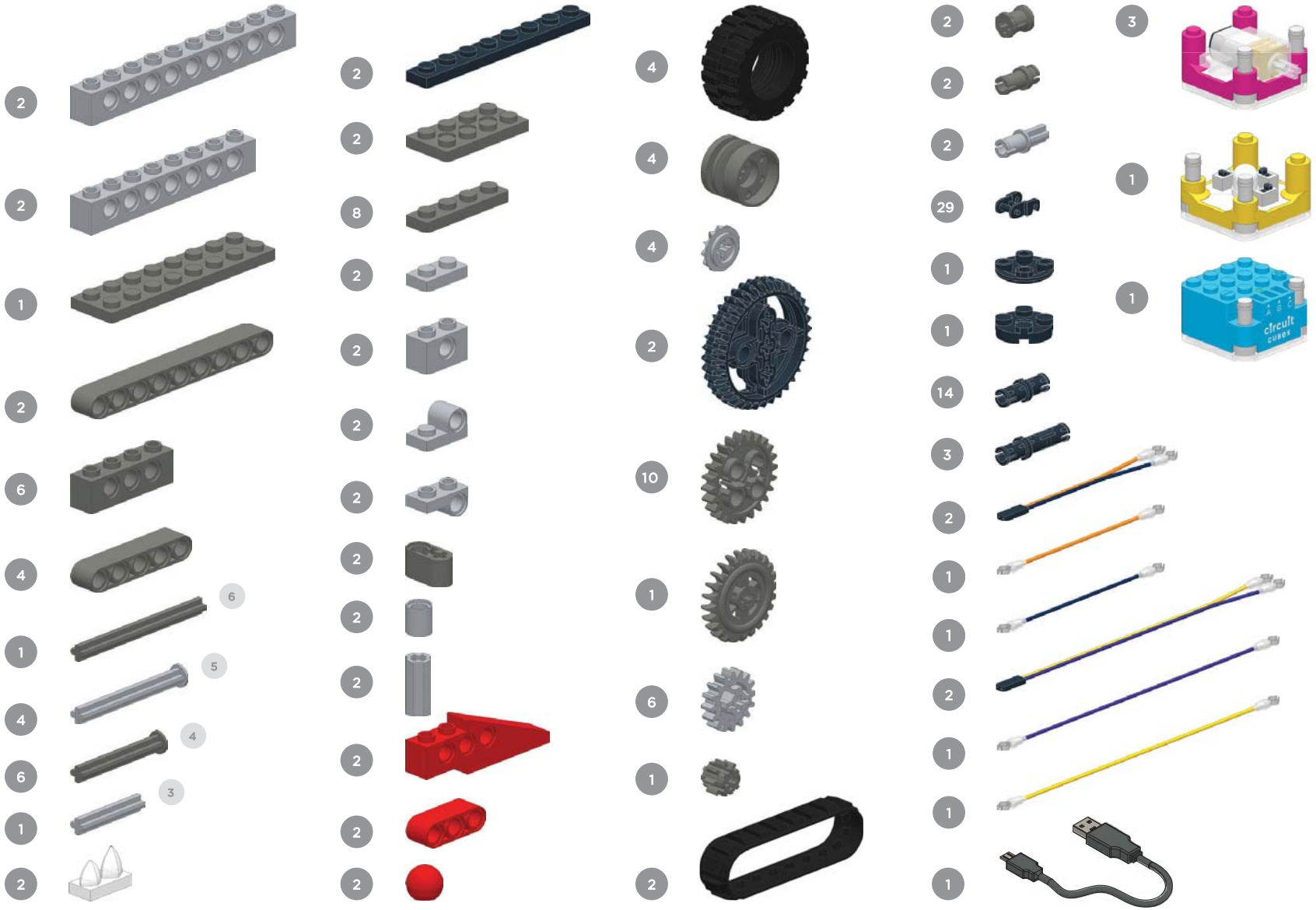
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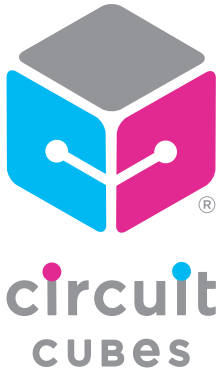
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