



EdDozer

EdEngineering – Pack 1

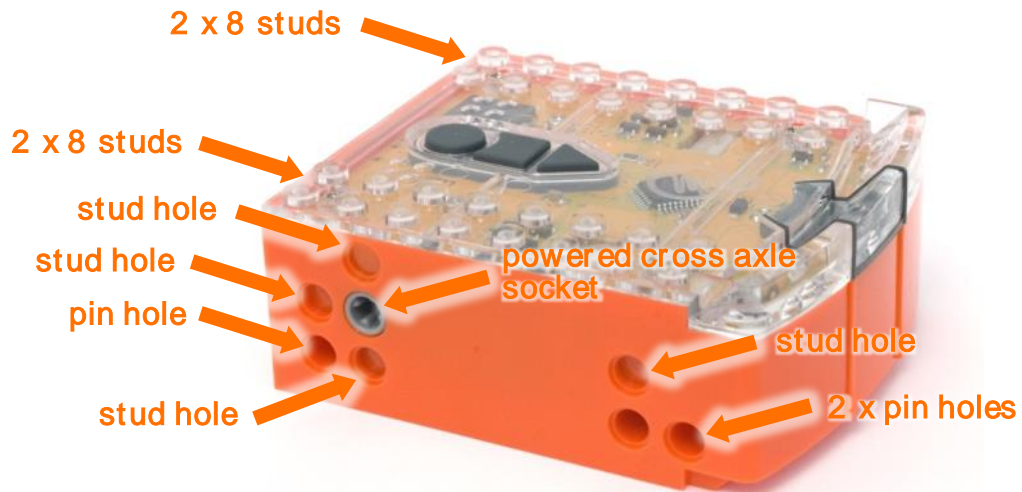


Available from

MyBrick.com.au

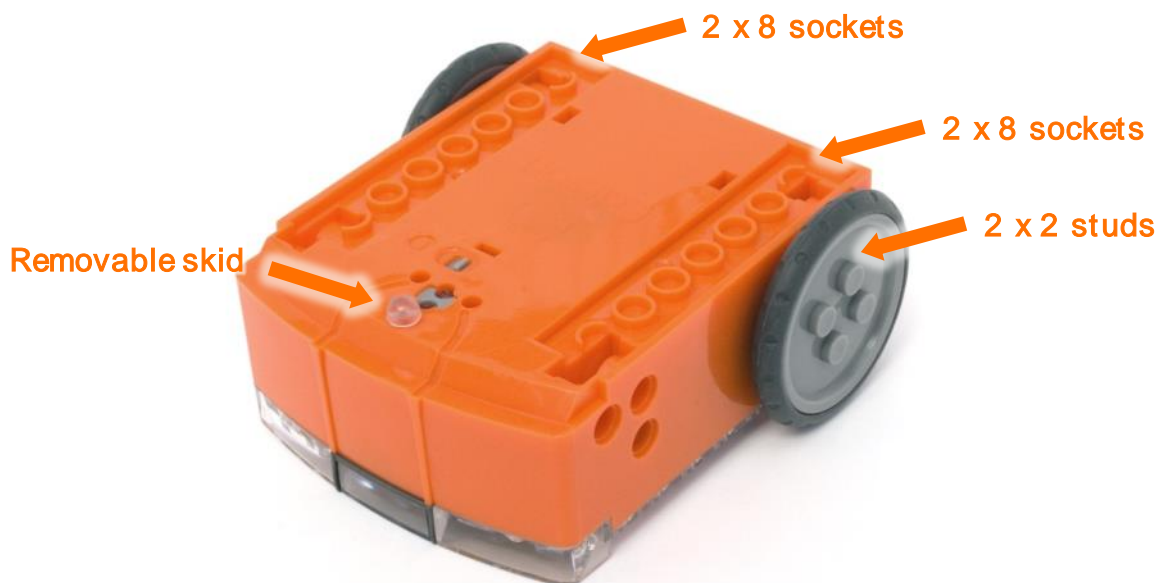
Edison and LEGO compatibility

LEGO bricks can be attached to the top and bottom of the Edison robot and LEGO pegs can be attached on the sides. There are three types of holes on the side of Edison:



Edison's side and top LEGO connections

Hole type	Description	Connects to
Pin hole	Full depth for connecting pegs	
Stud hole	Normal stud depth can be used for half pegs	
Cross axle	Powered output that rotates	



Edison's bottom and wheel LEGO connections

Program EdDozer's Front Blade

Drive the top Edison over the following barcodes. Use buttons that correspond well with blade up and blade down on the remote control, but don't use the buttons that you want to drive the EdDozer with. See suggested button arrangement below, although your remote control will likely be different.

Reading the barcode

1. Place Edison facing the barcode on the right side
2. Press the record (round) button 3 times
3. Edison will drive forward and scan the barcode
4. Press a button on your TV/DVD remote that you want to activate that function

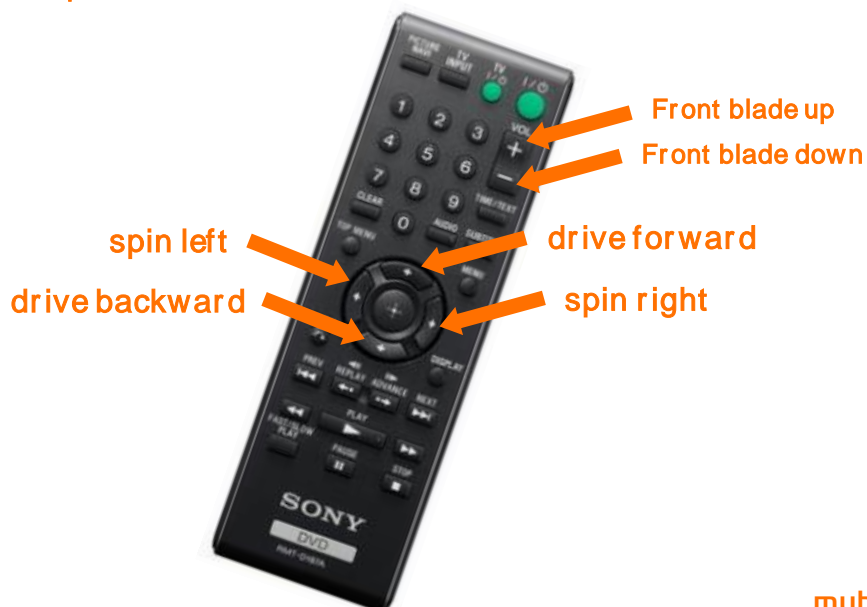


Barcode – IR learn blade up



Barcode – IR learn blade down

Suggested button setup

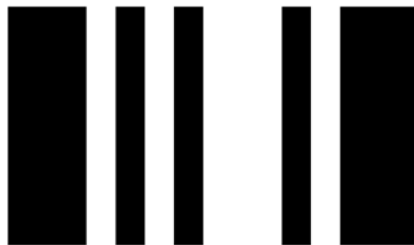


Program driving Edison

The bottom Edison will control the movement of the EdDozer (forwards, backwards, spin left and spin right). Drive this Edison over the following barcodes. Use buttons that correspond well with the driving manoeuvres on the remote control, but don't use the buttons that you want to control the bucket with.

Reading the barcode

1. Place Edison facing the barcode on the right side
2. Press the record (round) button 3 times
3. Edison will drive forward and scan the barcode
4. Press a button on your TV/DVD remote that you want to activate that function



Barcode – IR learn drive forward



Barcode – IR learn drive backward



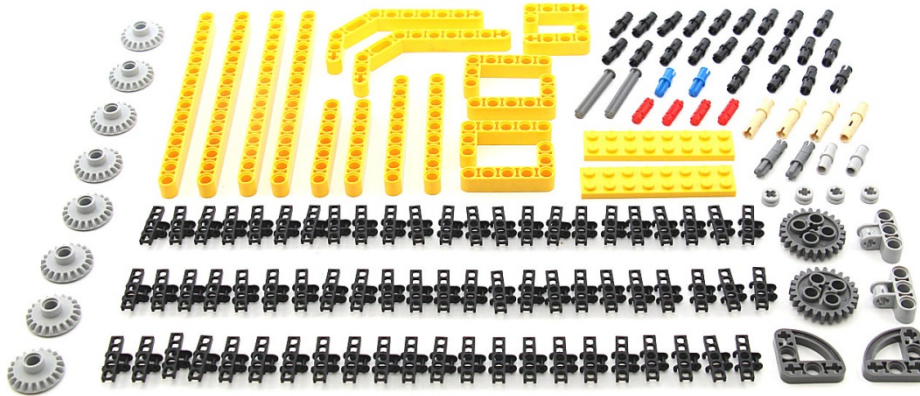
Barcode – IR learn spin right



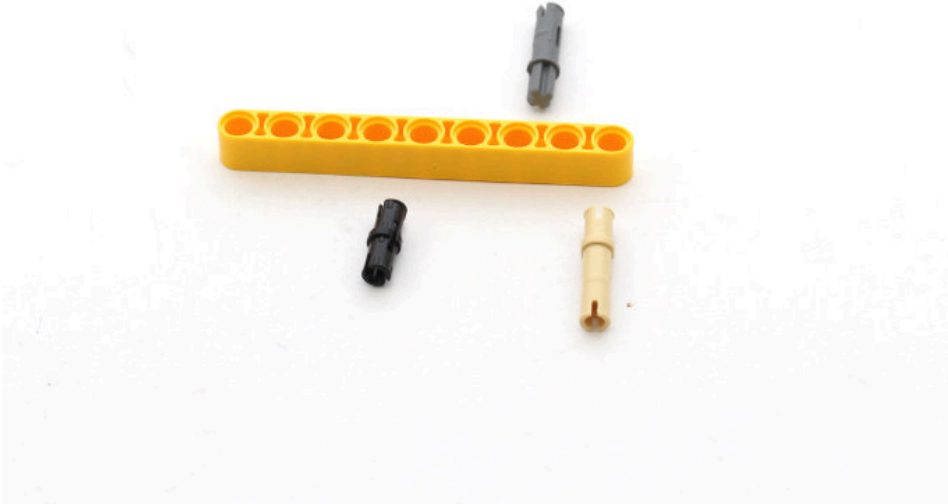
Barcode – IR learn spin left



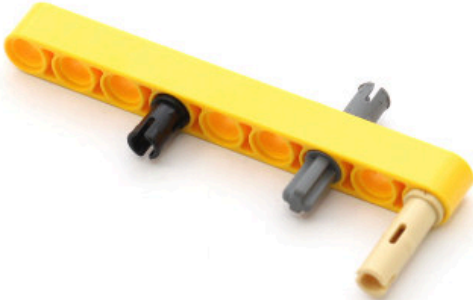
EdDozer Parts



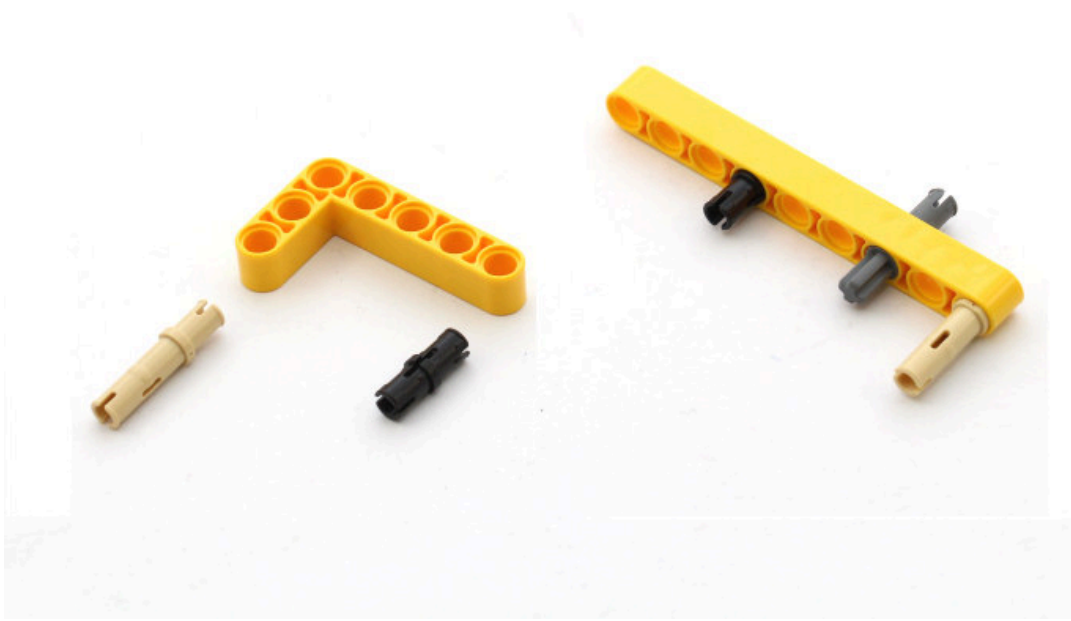
Step 1



Step 2



Step 3



Step 4



Step 5



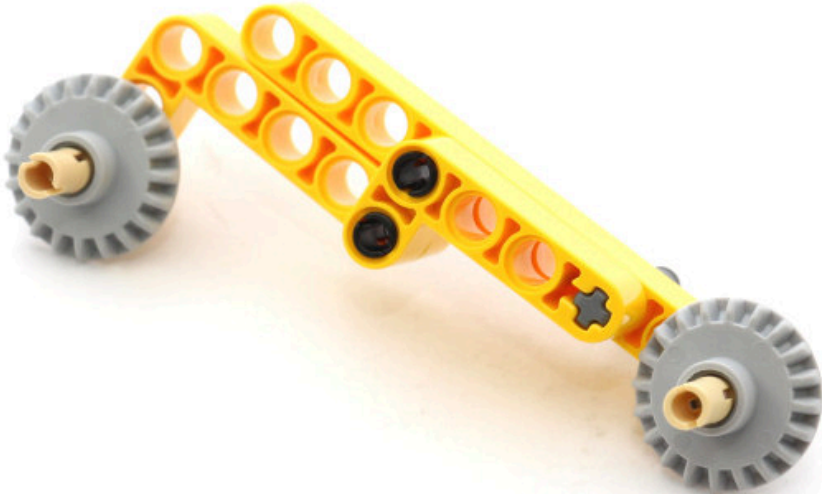
Step 6



Step 7



Step 8



Step 9



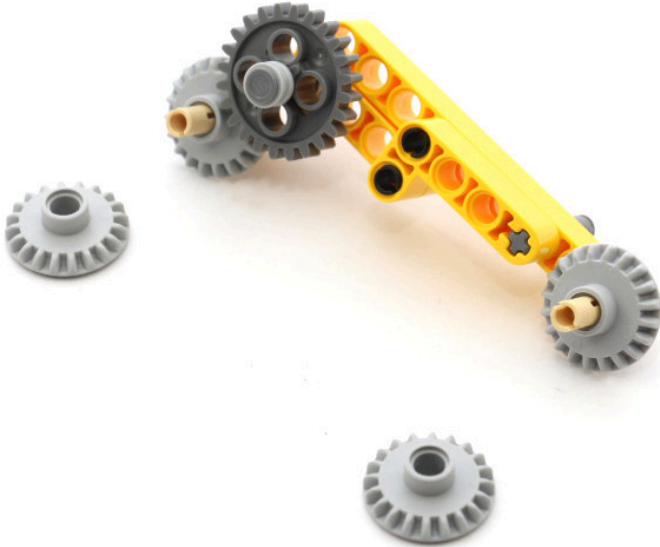
Step 10



Step 11



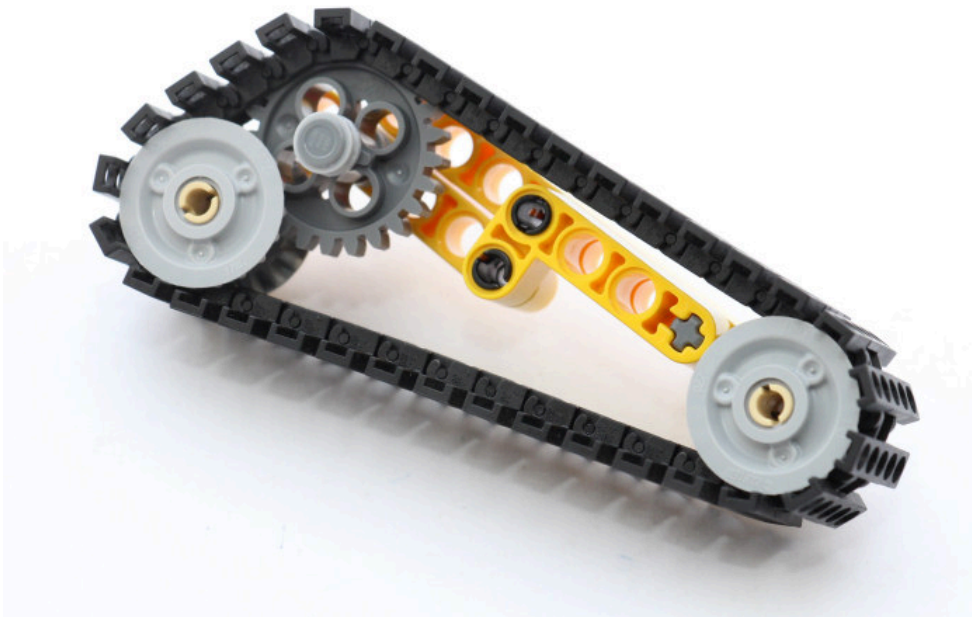
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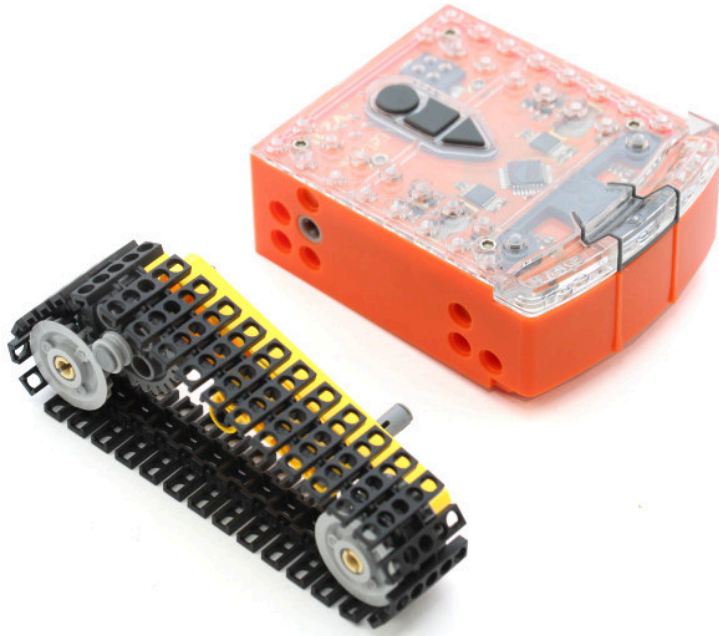
Step 13



Step 14



Step 15



Step 16



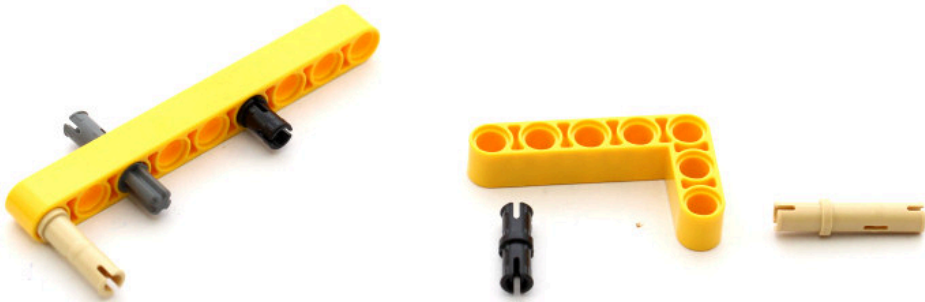
Step 17



Step 18



Step 19



Step 20



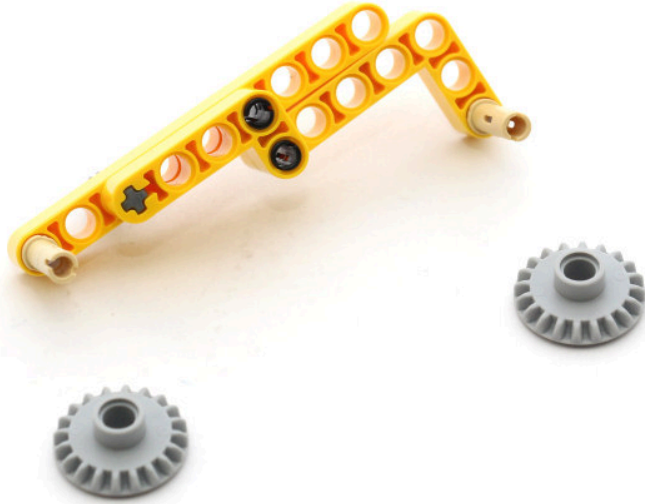
Step 21



Step 22



Step 23



Step 24



Step 25



Step 26



Step 27



Step 28



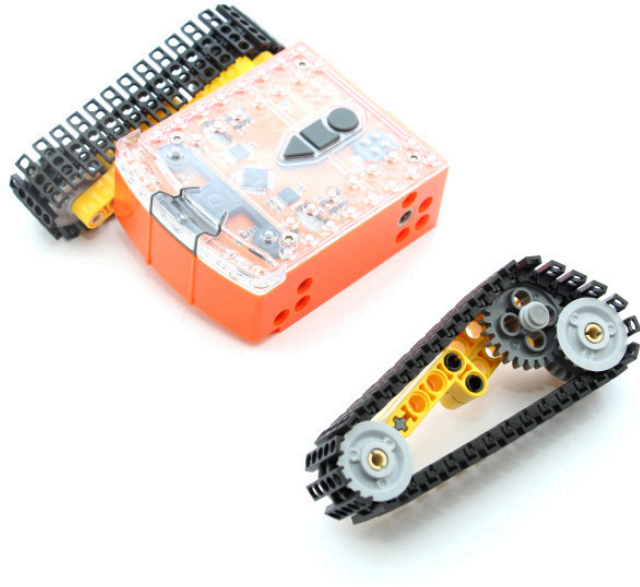
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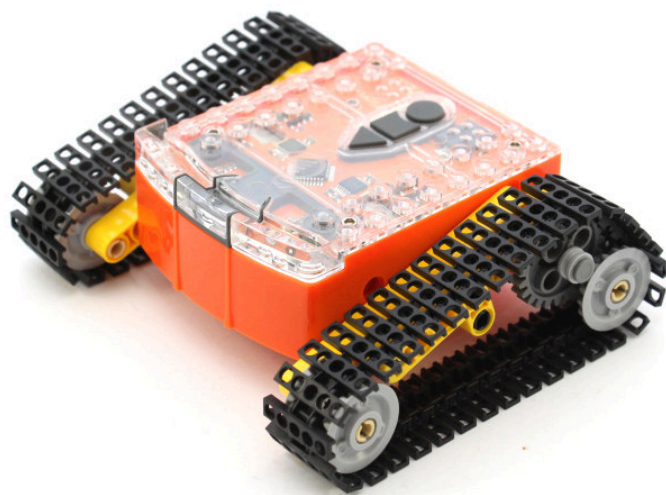
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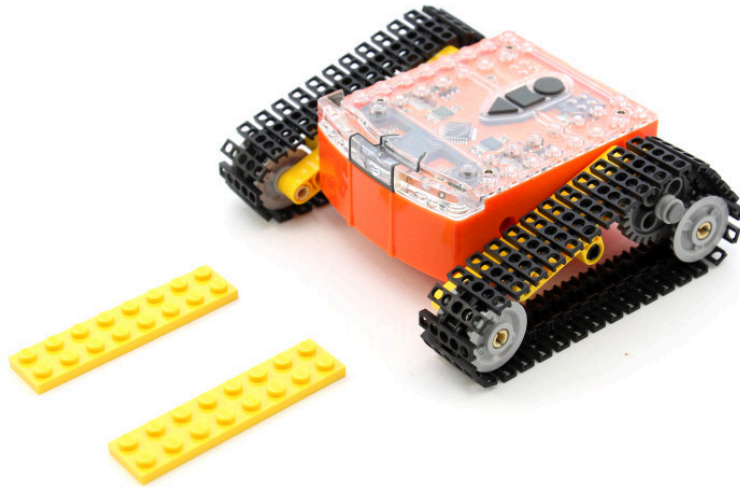
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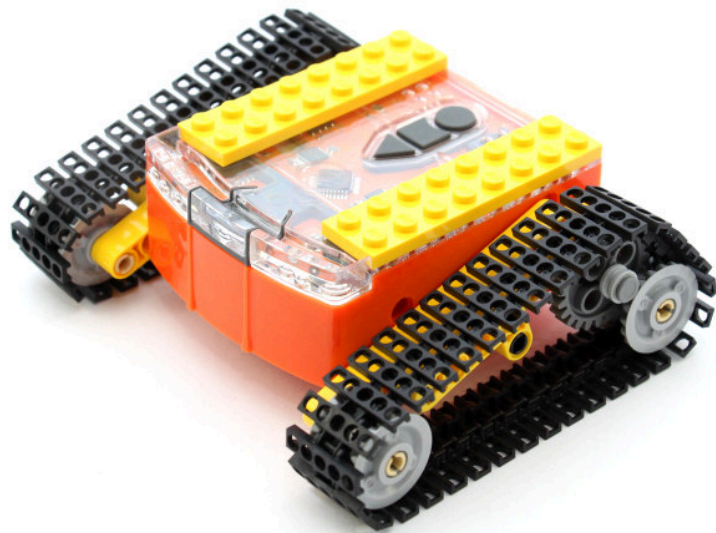
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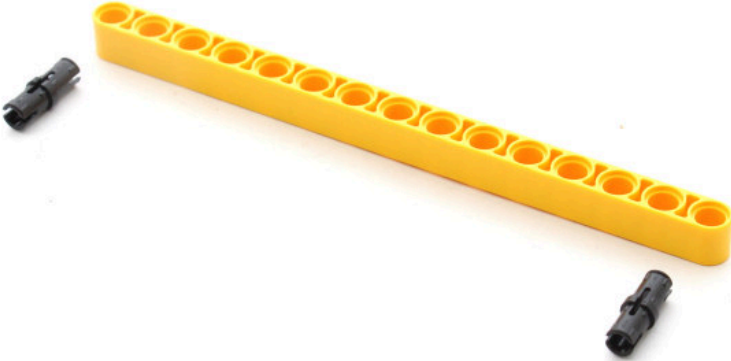
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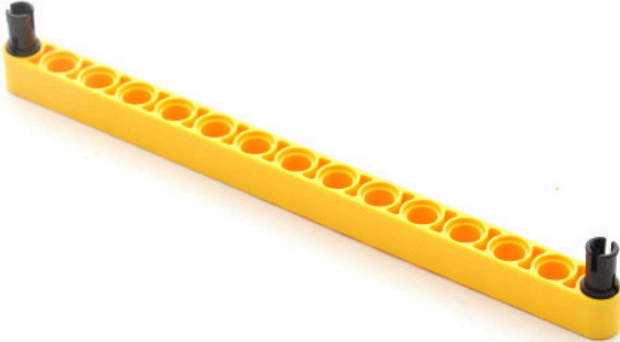
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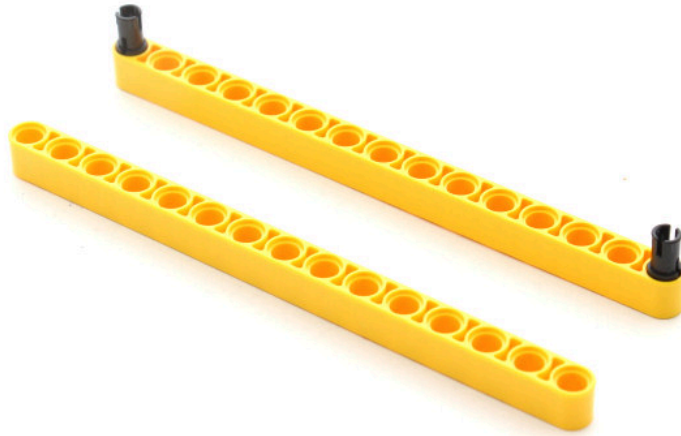
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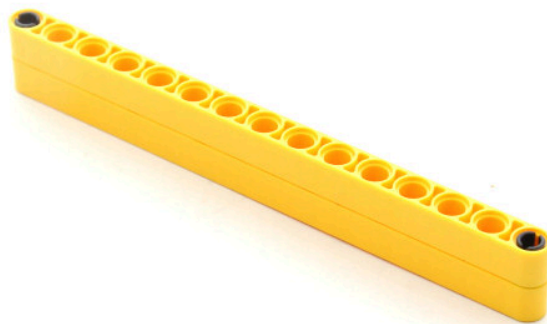
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Step 37



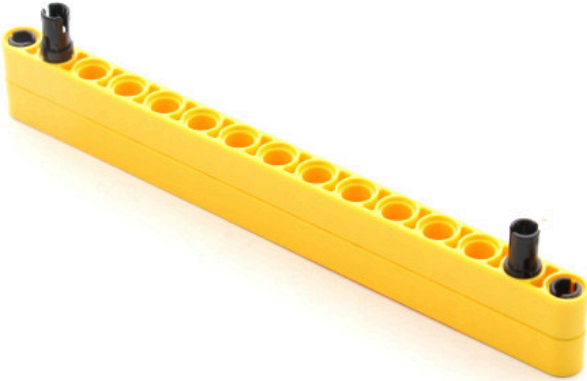
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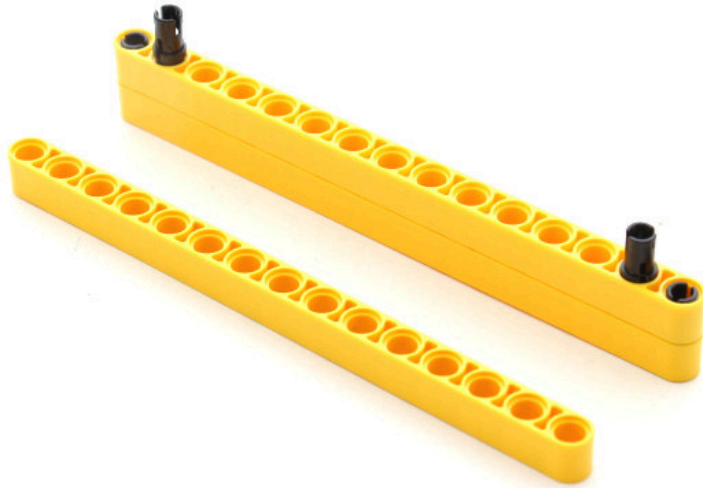
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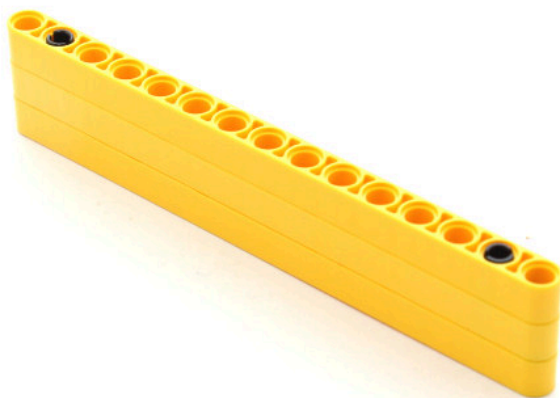
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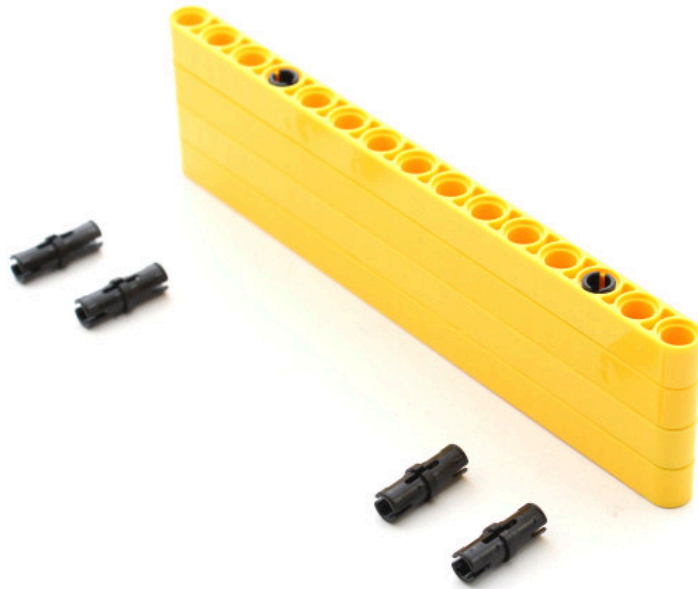
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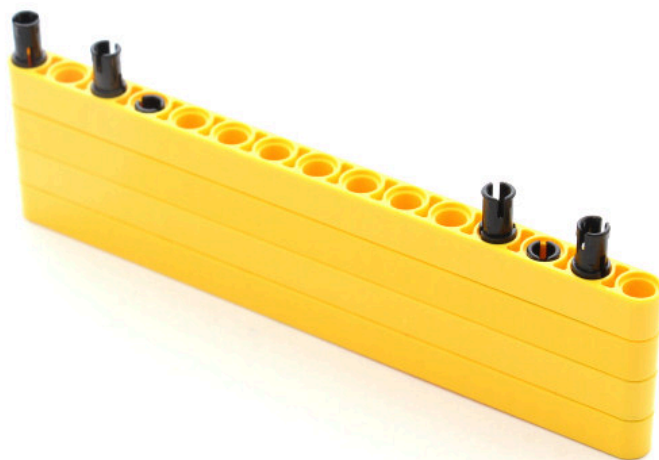
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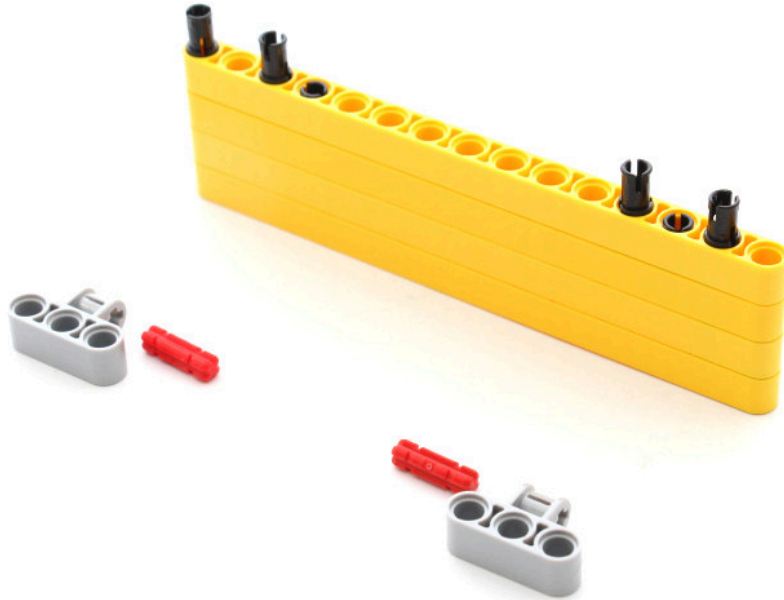
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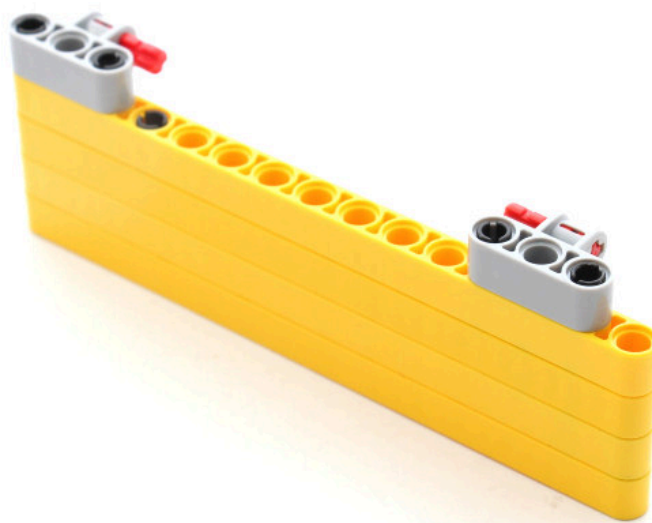
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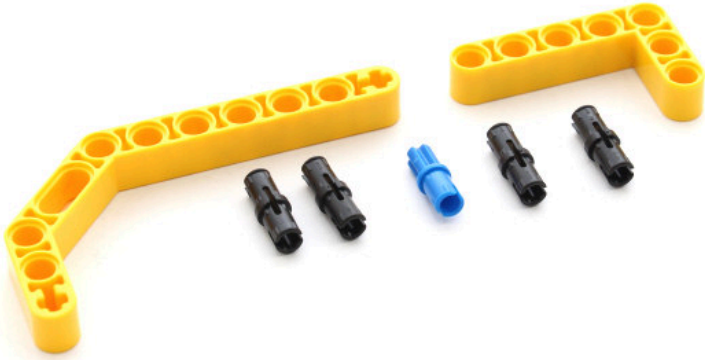
Step 45



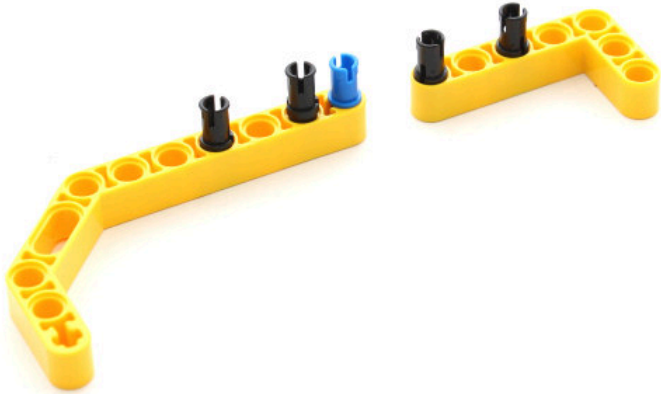
Step 46



Step 47



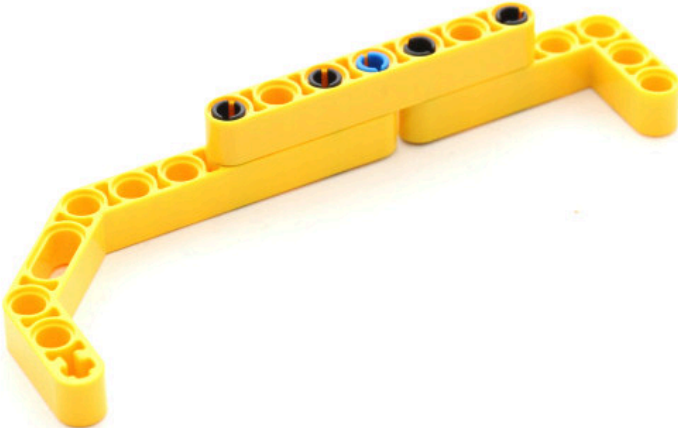
Step 48



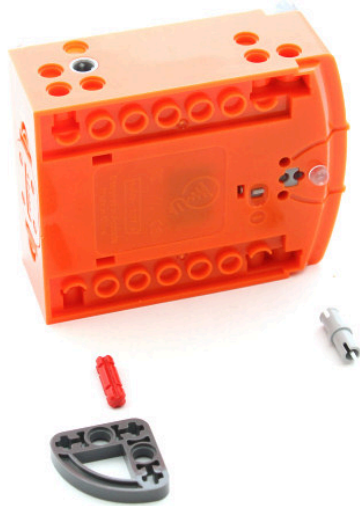
Step 49



Step 50



Step 51



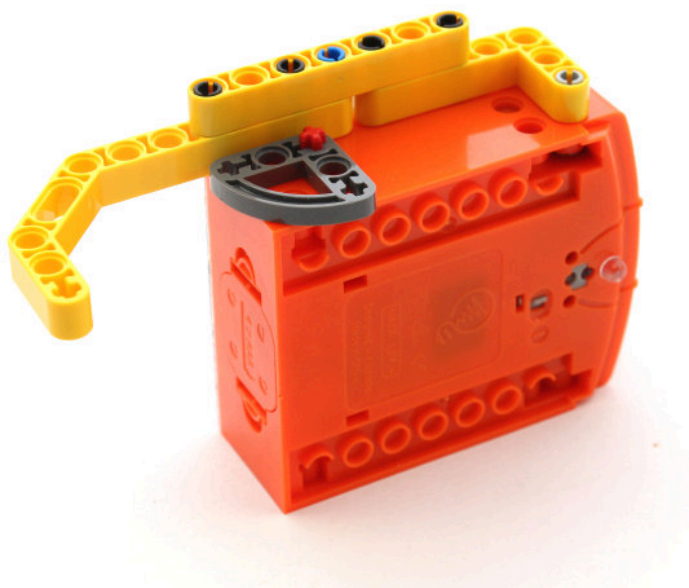
Step 52



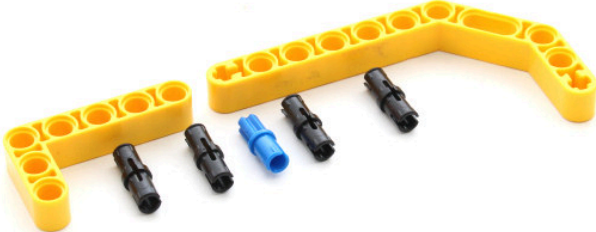
Step 53



Step 54



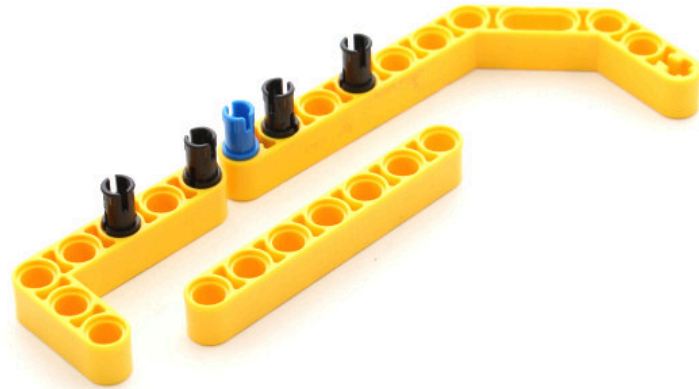
Step 55



Step 56



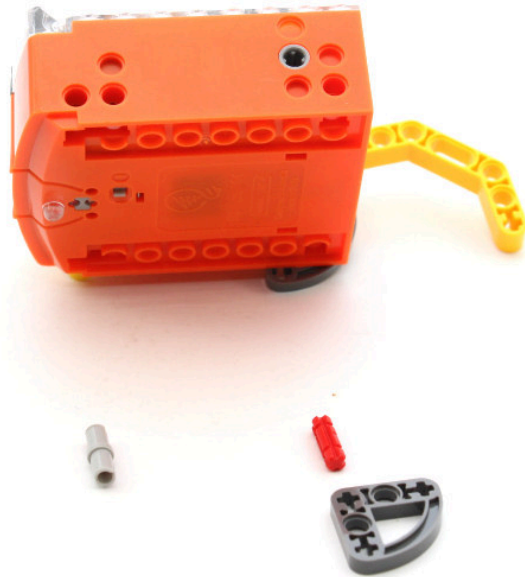
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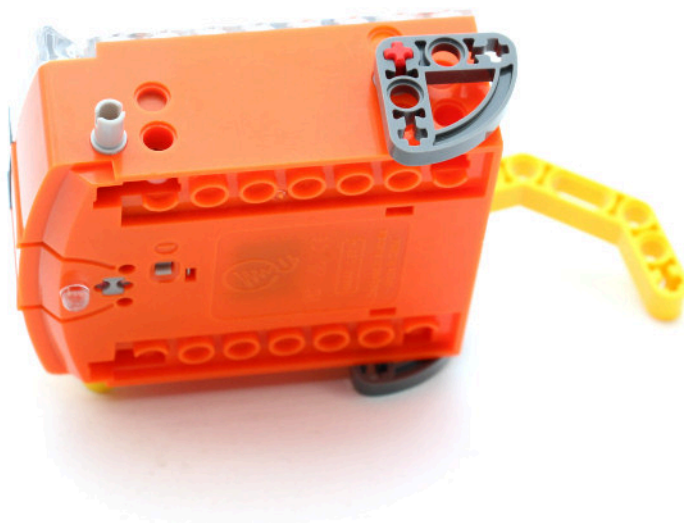
Step 58



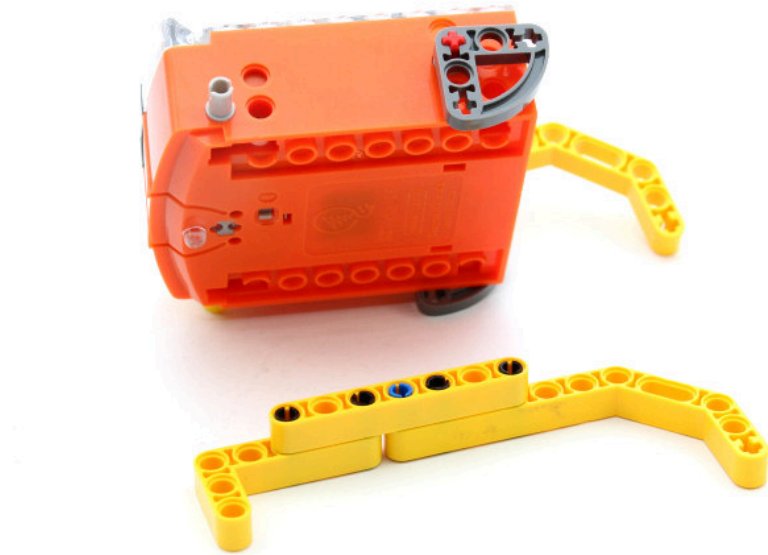
Step 58



Step 60



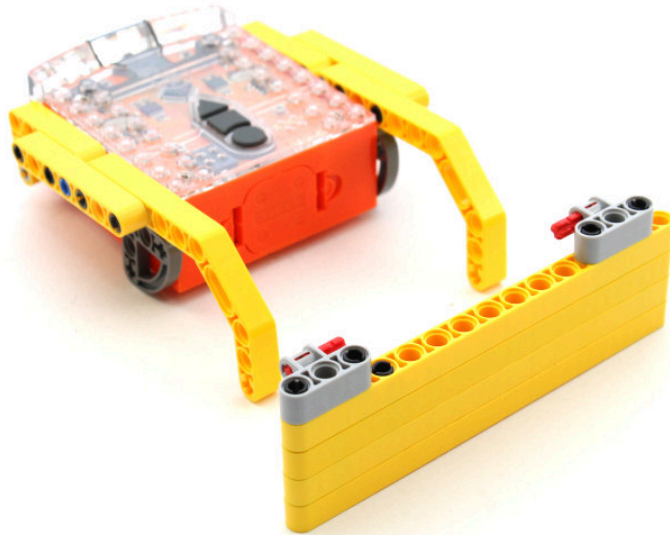
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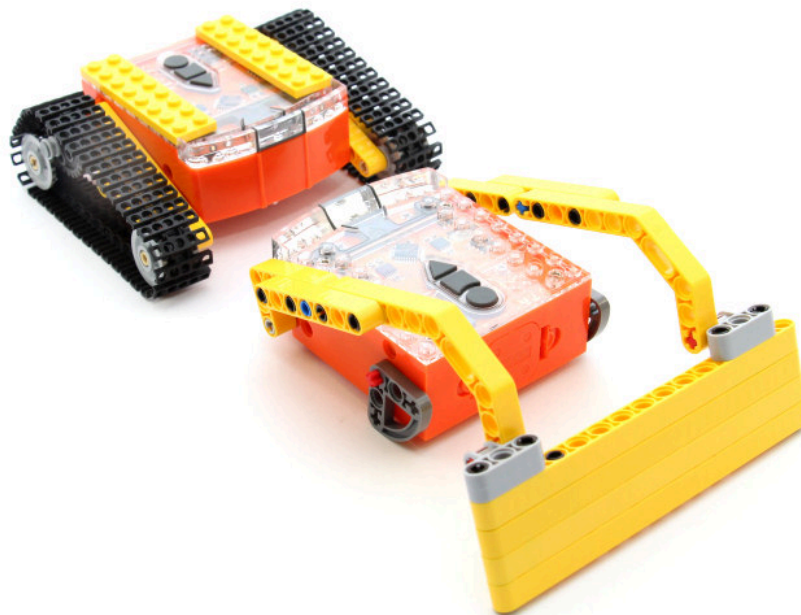
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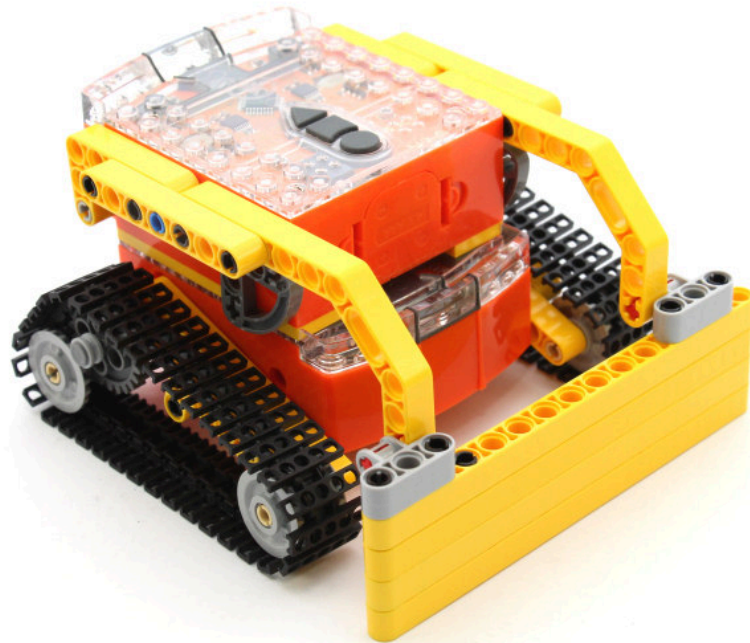
Step 63



Step 64



Step 65



Program the remote control codes

Print the next two pages so you can drive the two Edison robots over the barcodes.

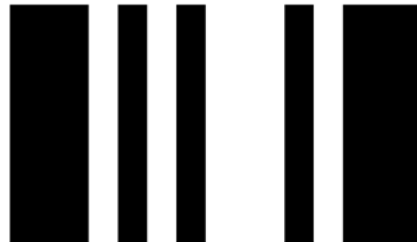
To make this process easier mark one Edison with the black sloping roof tile piece as shown. This Edison will be used as the bucket controller.

Program bucket controller Edison

Drive the marked Edison over the following barcodes. Use buttons that correspond well with bucket up and bucket down on the remote control, but don't use the buttons that you want to drive the EdDigger with. See suggested button arrangement below, although your remote control will likely be different.

Reading the barcode

1. Place Edison facing the barcode on the right side
2. Press the record (round) button 3 times
3. Edison will drive forward and scan the barcode
4. Press a button on your TV/DVD remote that you want to activate that function



Barcode – IR learn bucket up



Barcode – IR learn bucket down



Suggested button setup

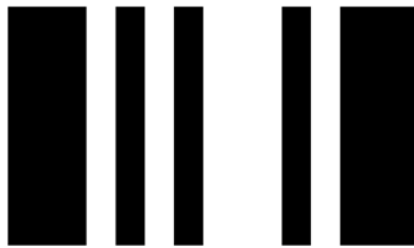


Program driving Edison

The driving Edison will control the movement of the EdDigger (forwards, backwards, spin left and spin right). Drive this Edison over the following barcodes. Use buttons that correspond well with the driving manoeuvres on the remote control, but don't use the buttons that you want to control the bucket with.

Reading the barcode

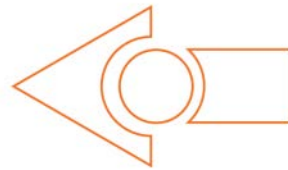
1. Place Edison facing the barcode on the right side
2. Press the record (round) button 3 times
3. Edison will drive forward and scan the barcode
4. Press a button on your TV/DVD remote that you want to activate that function



Barcode – IR learn drive forward



Barcode – IR learn drive backward



Barcode – IR learn spin right



Barcode – IR learn spin left

