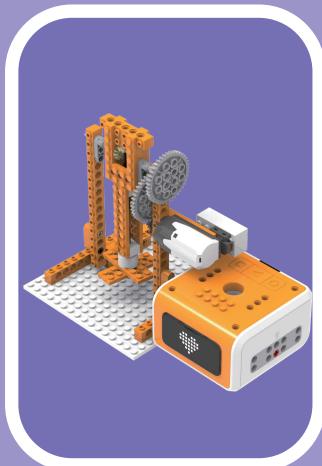
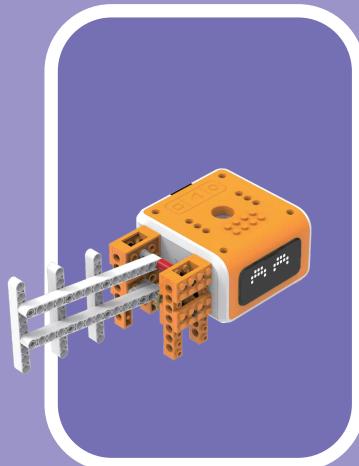


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Building Manual

Creator Kit for VinciBot



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<https://www.matatastudio.com/vincibot/creatorkit>

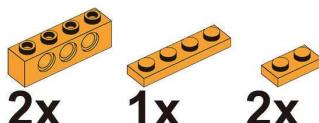
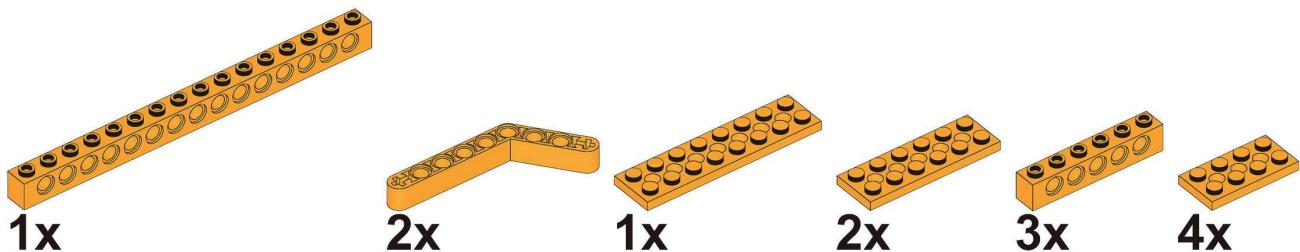
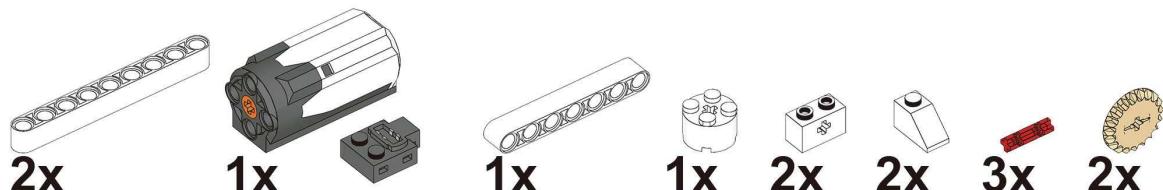
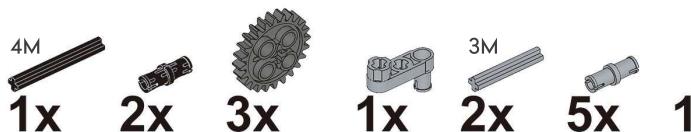
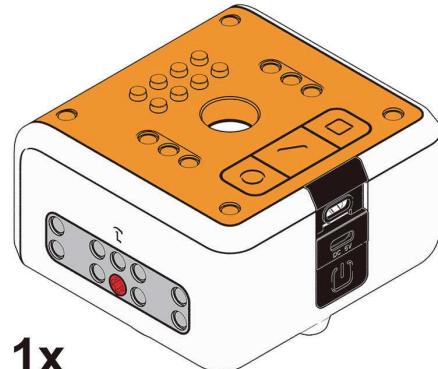
To get more building forms, please check
Pour obtenir plus de formes de construction, veuillez vérifier
Um mehr Gebäudeformen zu erhalten, überprüfen Sie bitte
Per ottenere più forme di costruzione, controlla
Para obtener más formas de construcción, por favor revise
获取更多搭建形态, 请查阅
Чтобы получить больше форм строительства, пожалуйста, проверьте
ທ່ານໄດ້ວິທາງກ່ຽວຂ້ອງມີມັນຕະຫຼາດໃນລົງຈະໄດ້ປຶກສູດຕະຫຼາດນີ້

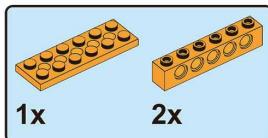
Case 1

VinciBot is a Dancer

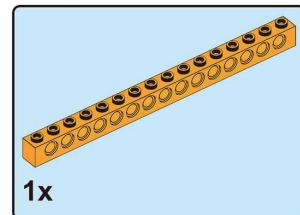
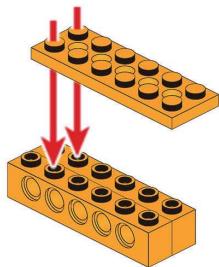


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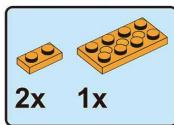
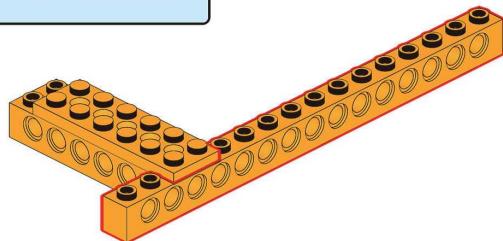




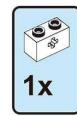
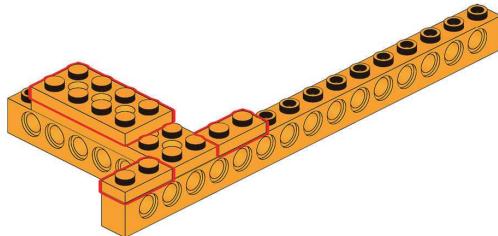
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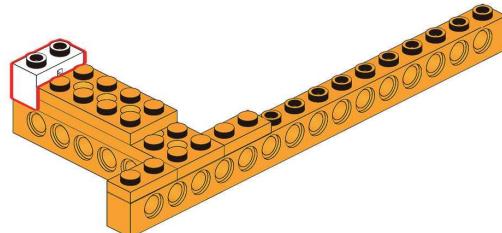
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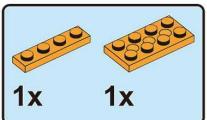
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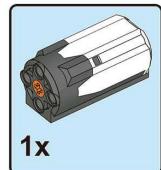
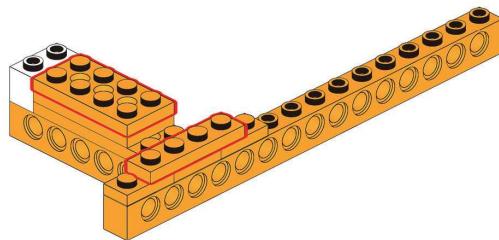
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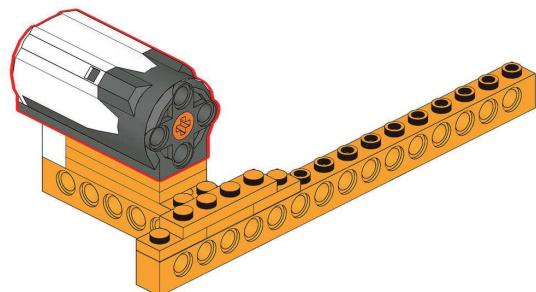
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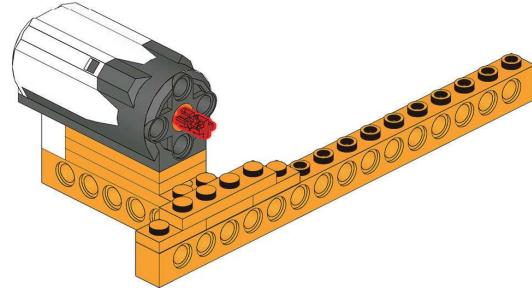
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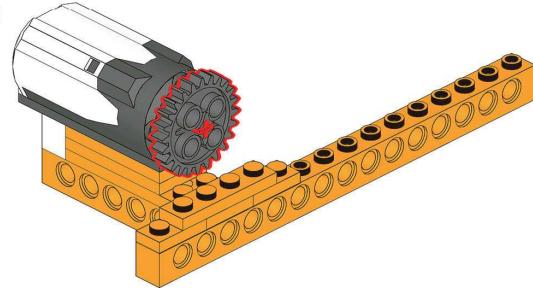
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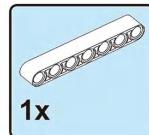
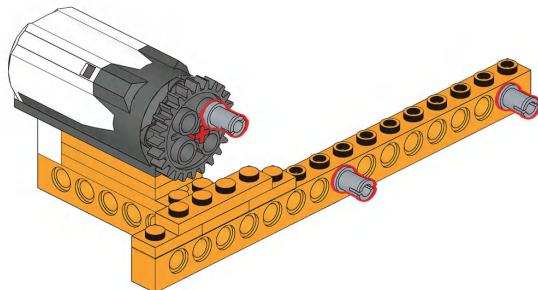
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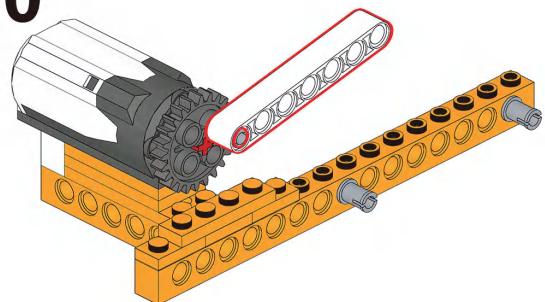
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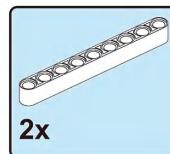
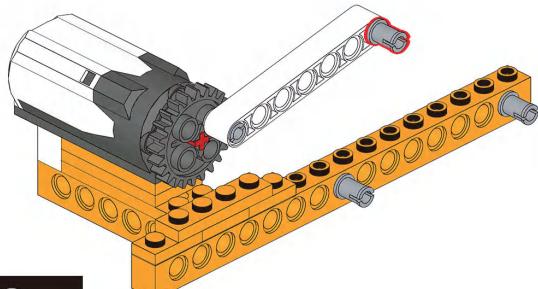
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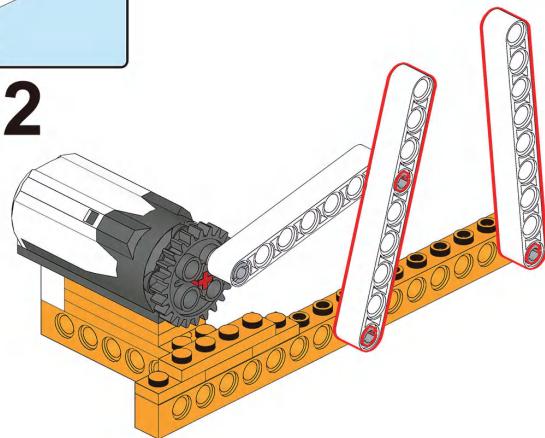
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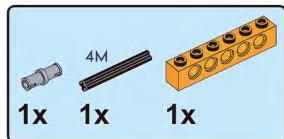
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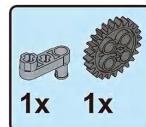
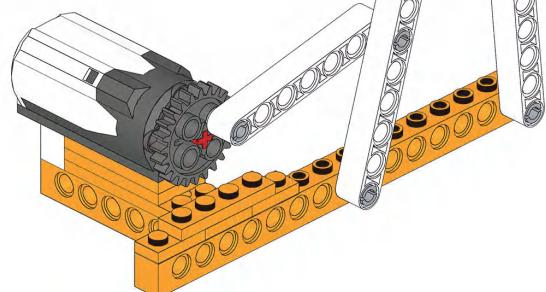
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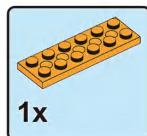
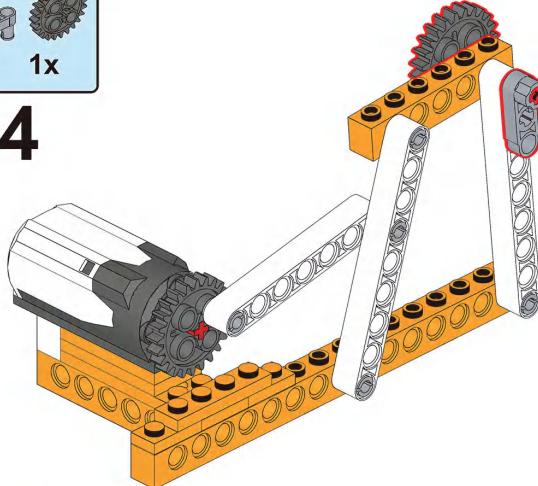
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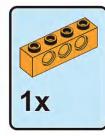
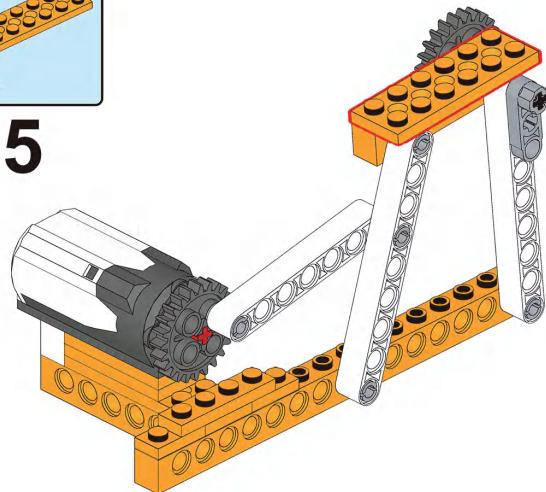
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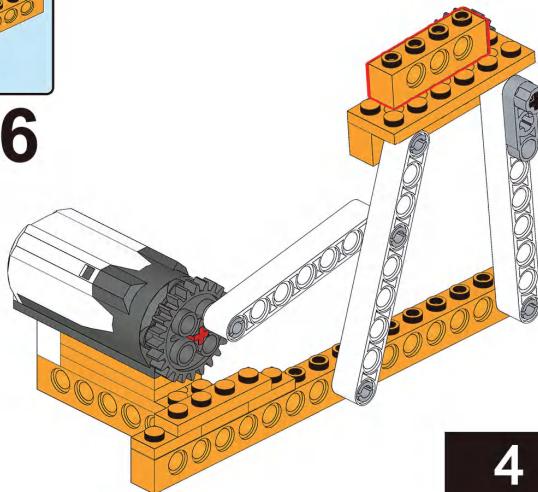
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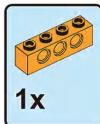


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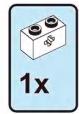
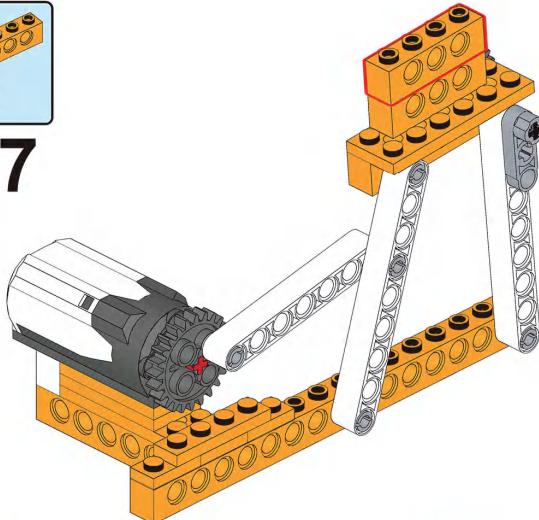


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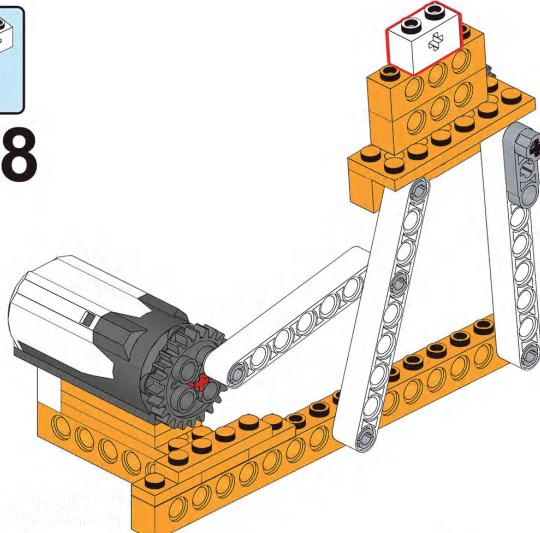




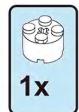
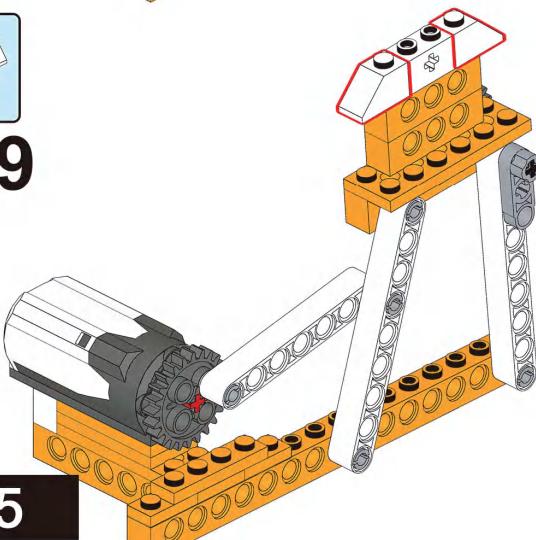
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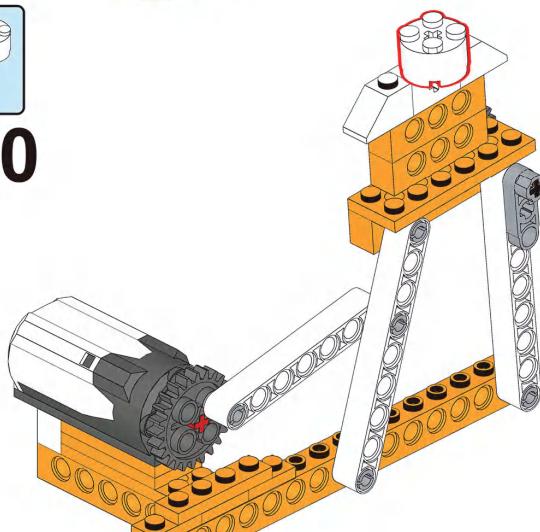
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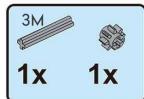
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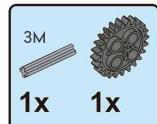
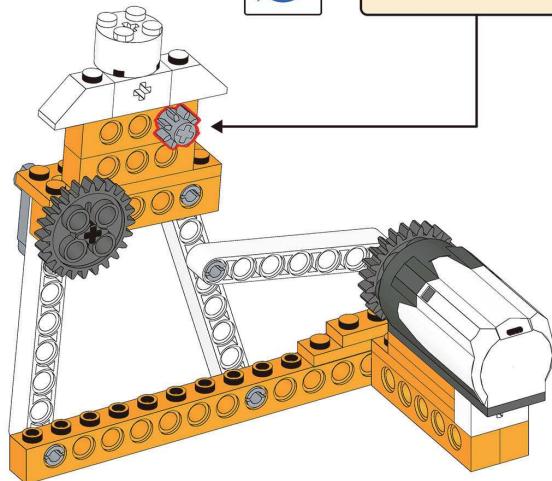
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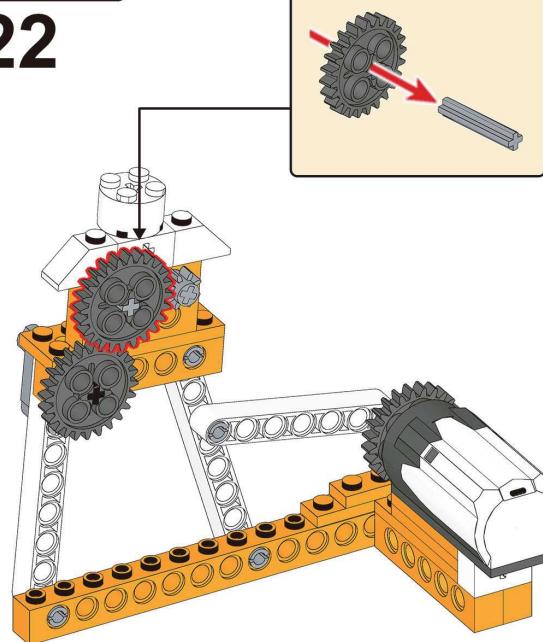
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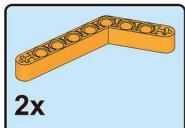


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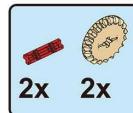
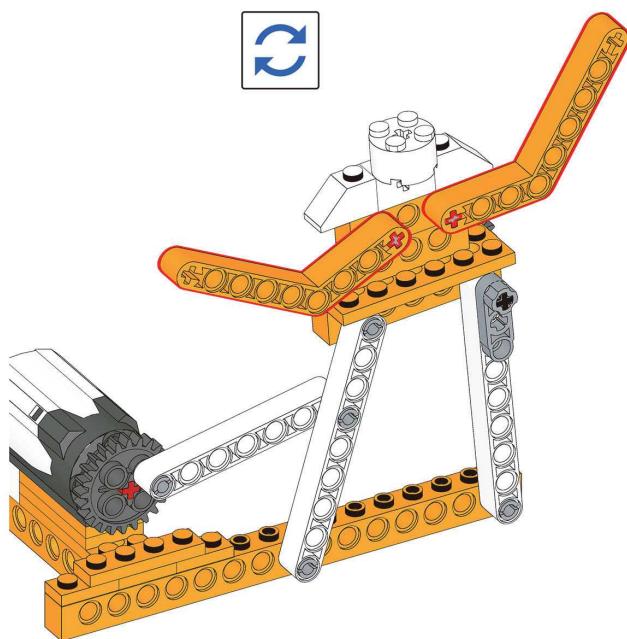


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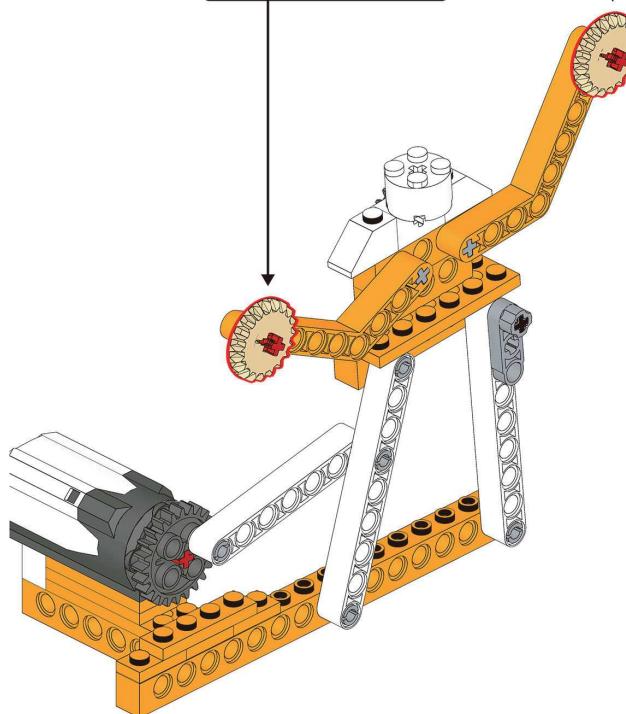
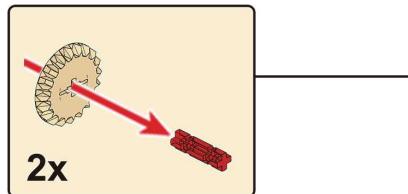


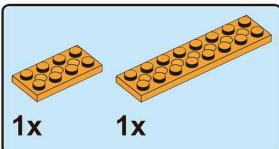


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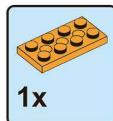
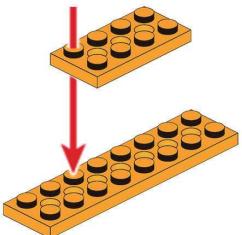


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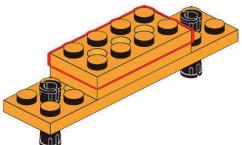




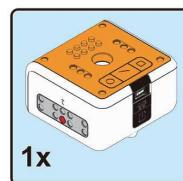
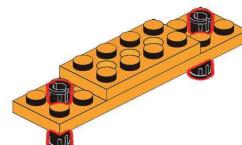
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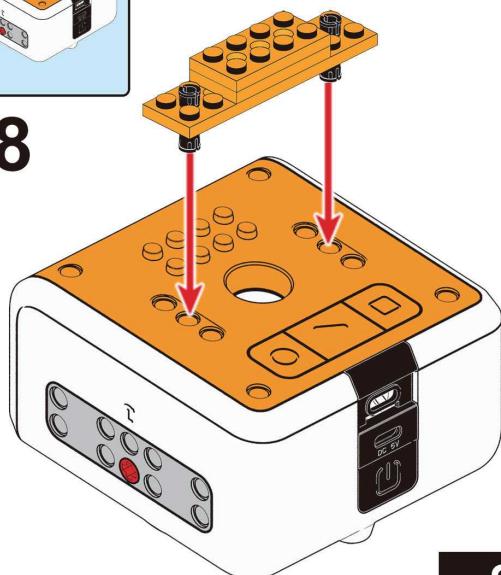
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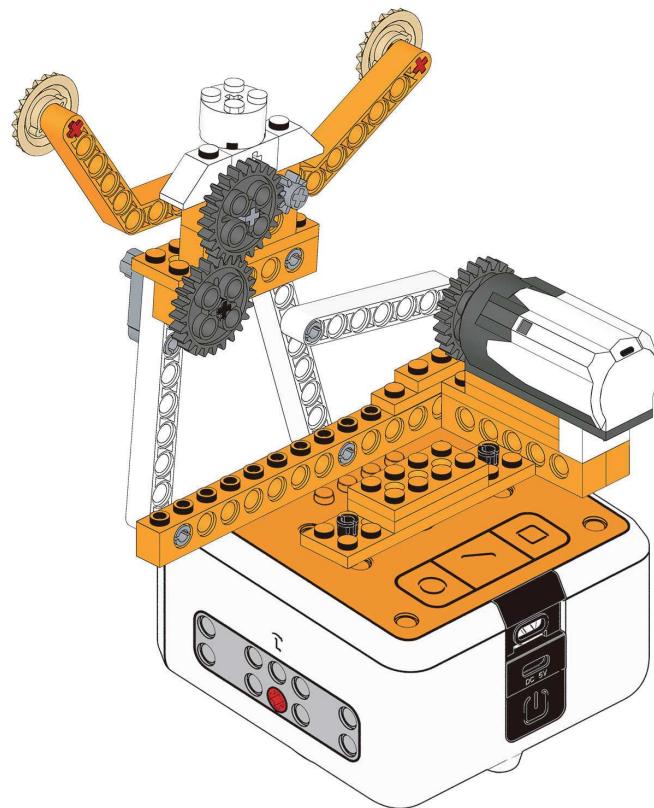


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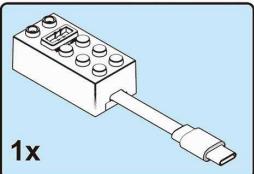


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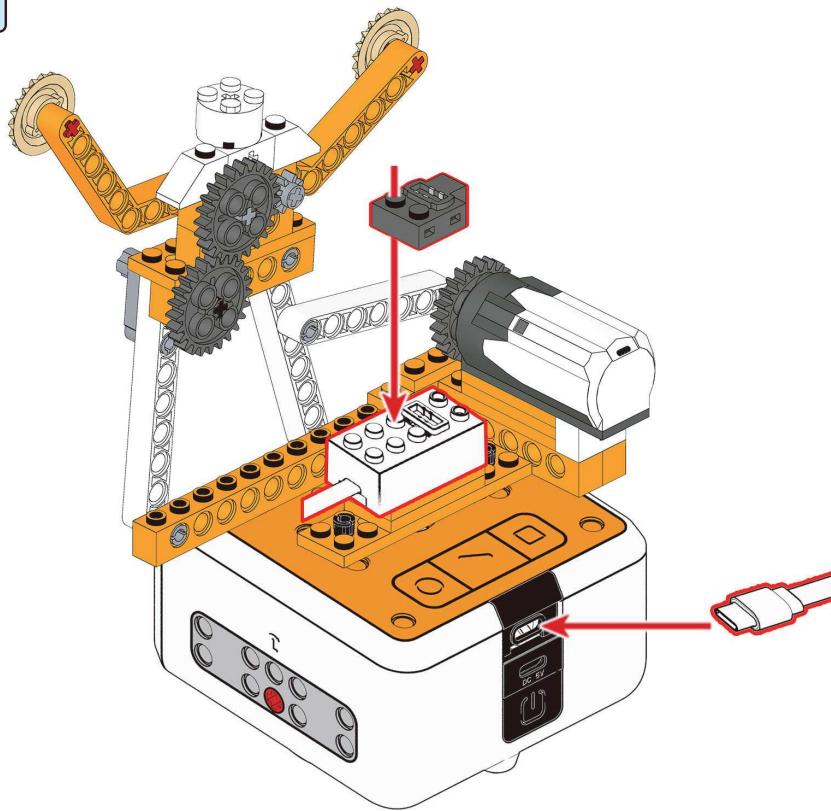
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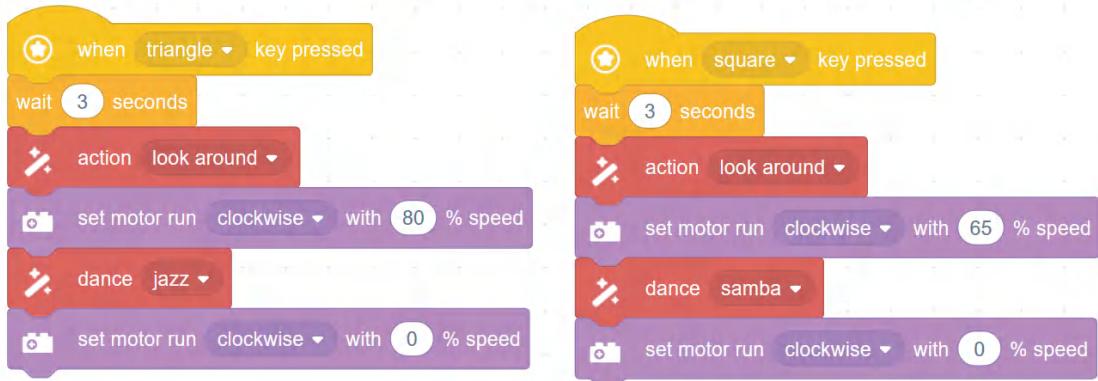


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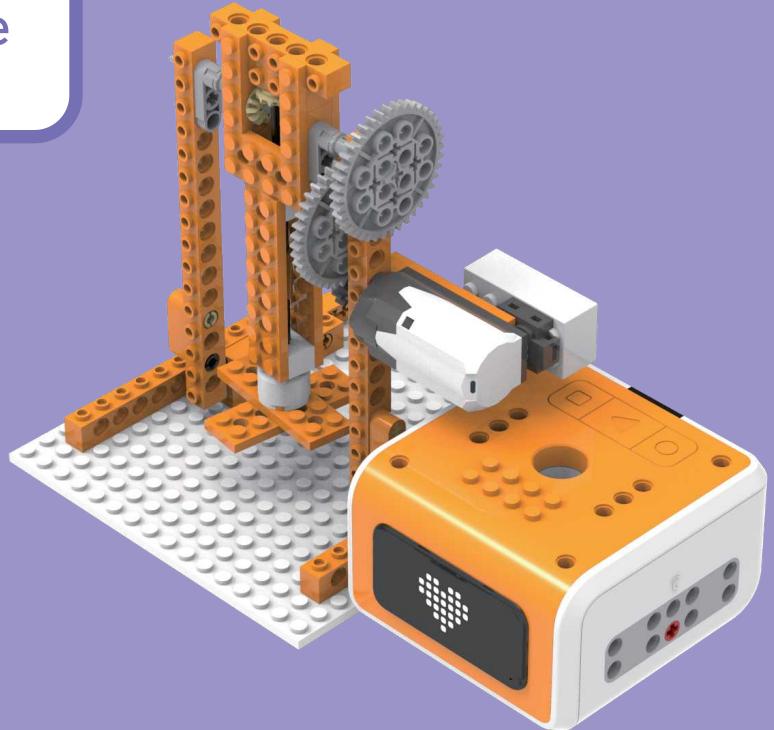


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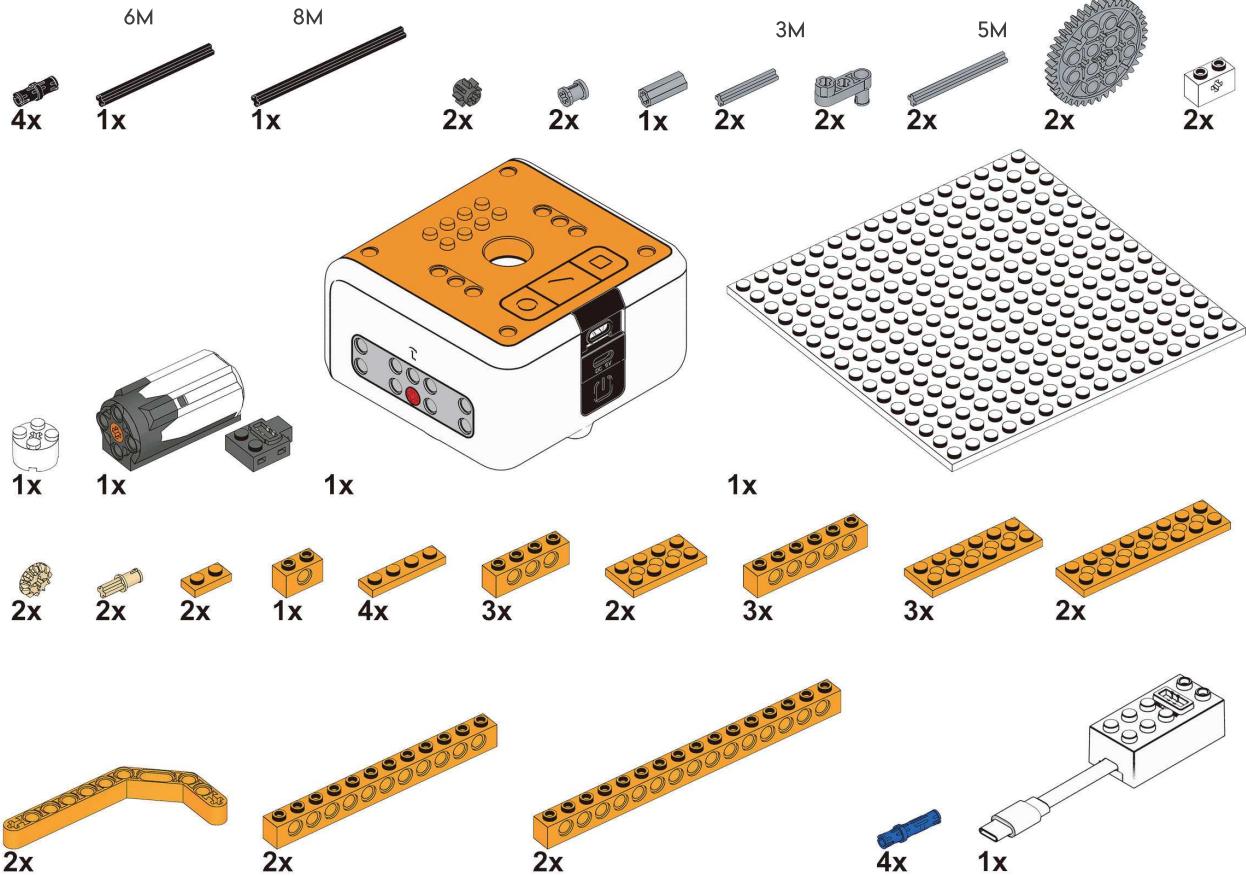
Demo Program

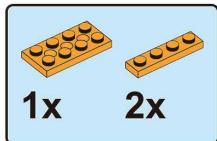


Case 2 Big Pendulum Ride

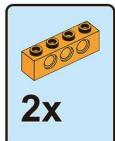
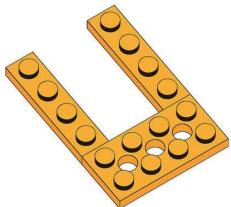


Parts List

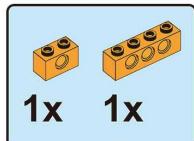
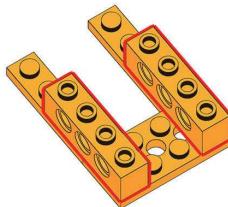




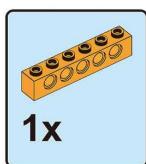
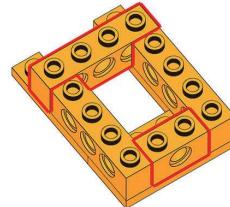
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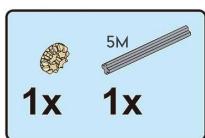
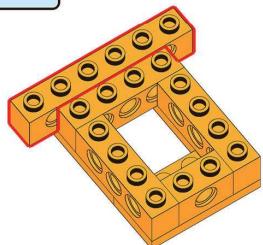
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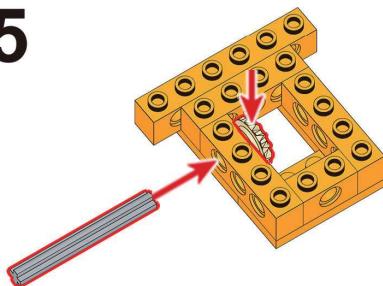
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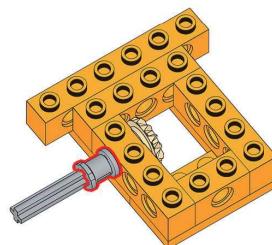
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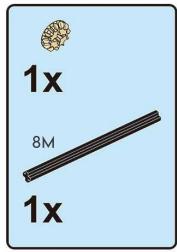
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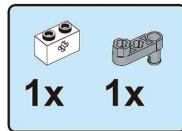
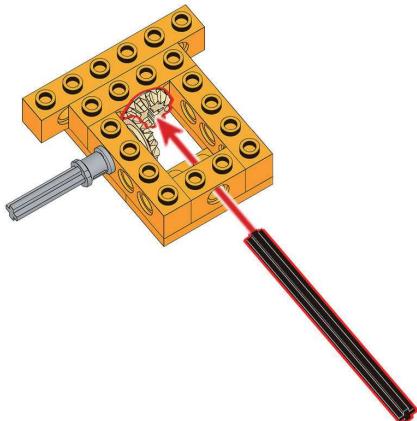
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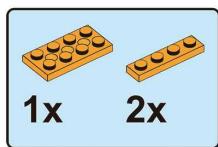
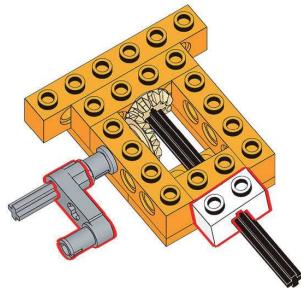
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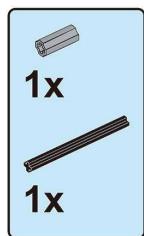
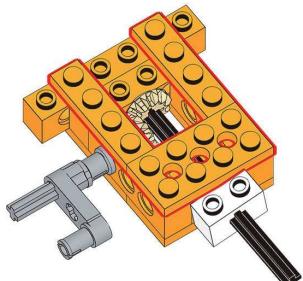
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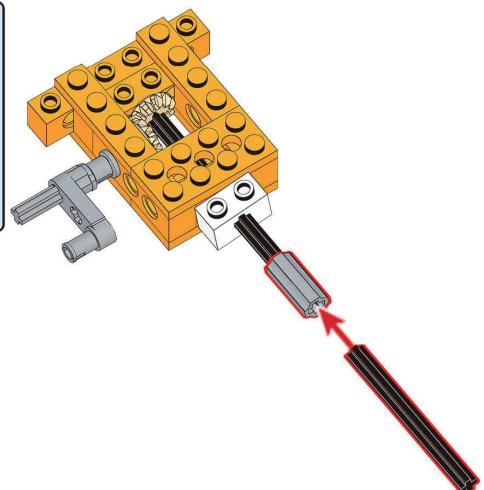
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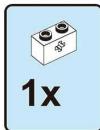
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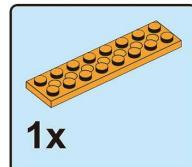
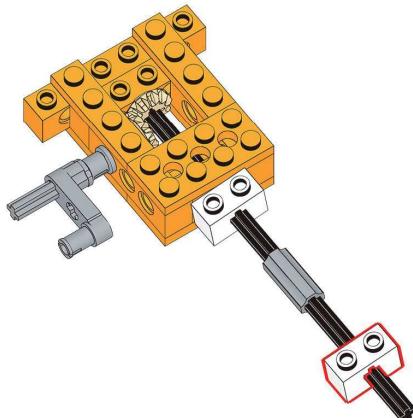
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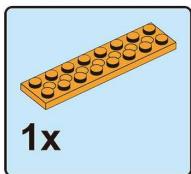
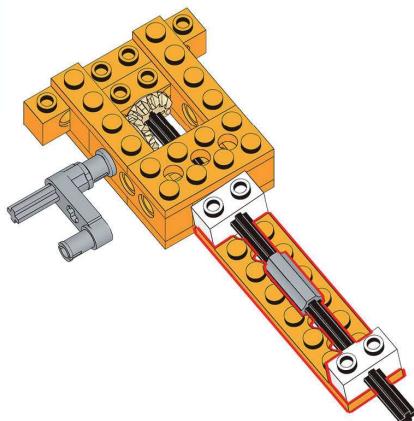
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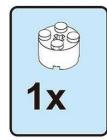
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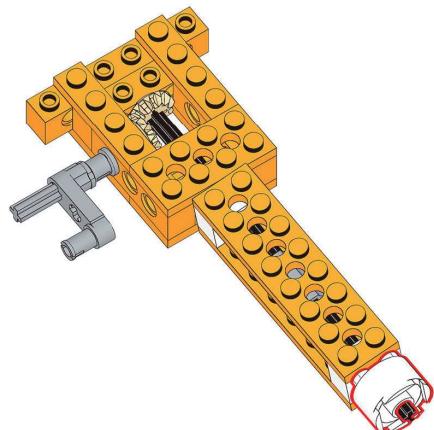
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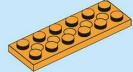
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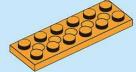
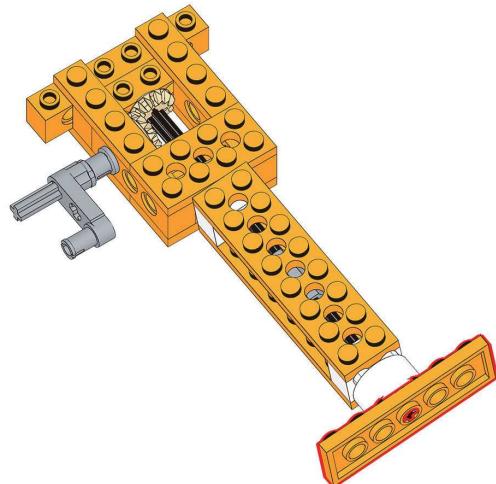


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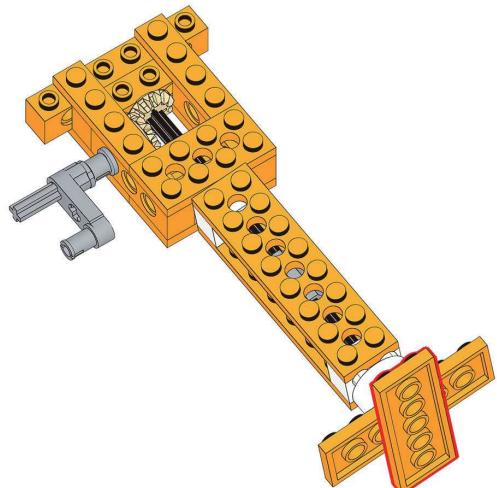
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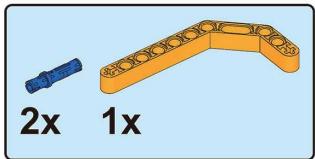
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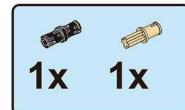
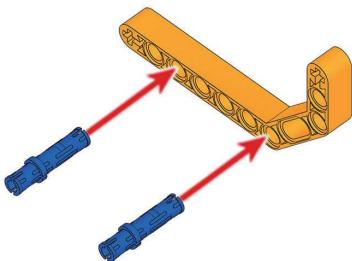
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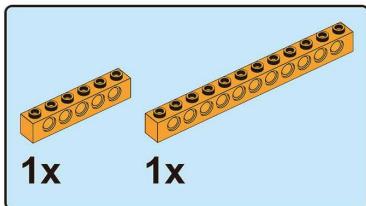
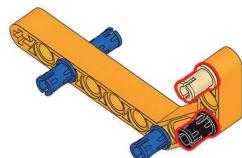




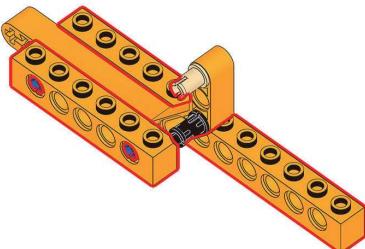
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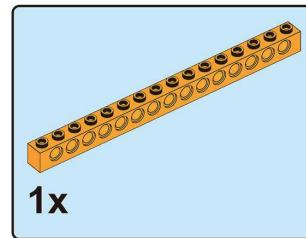
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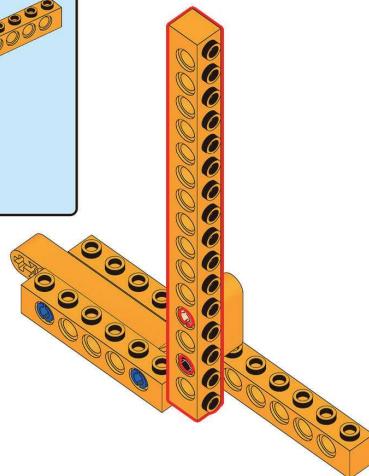
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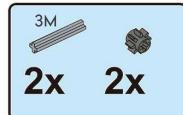
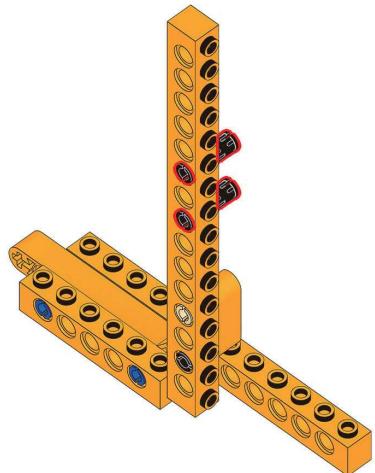


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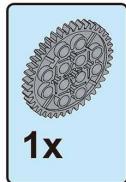
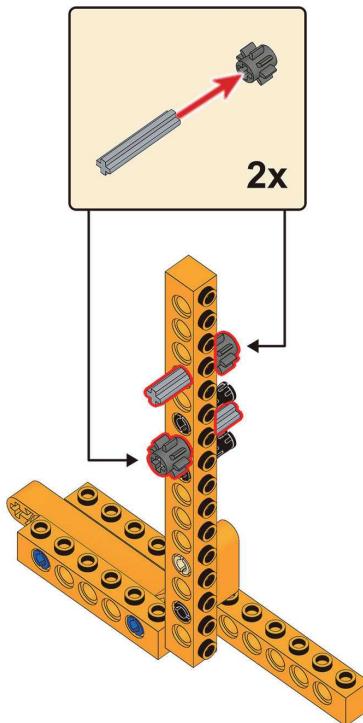




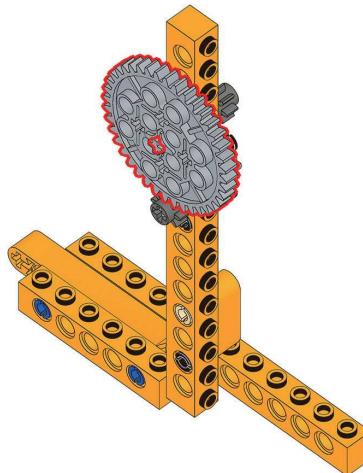
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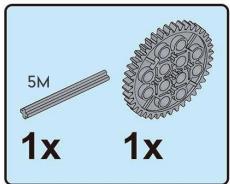


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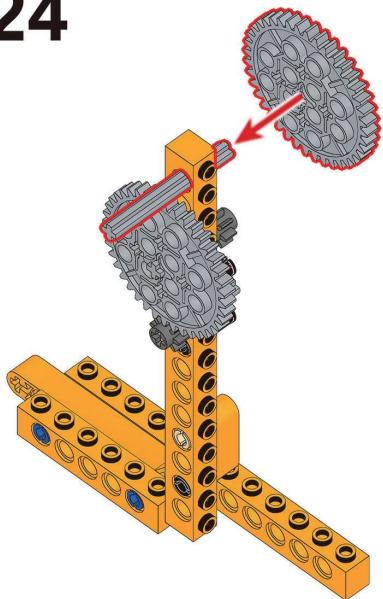


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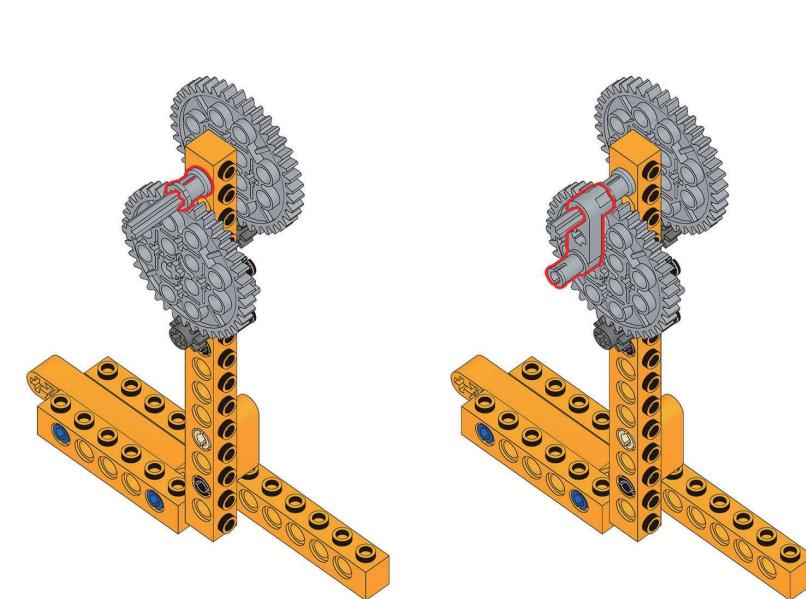




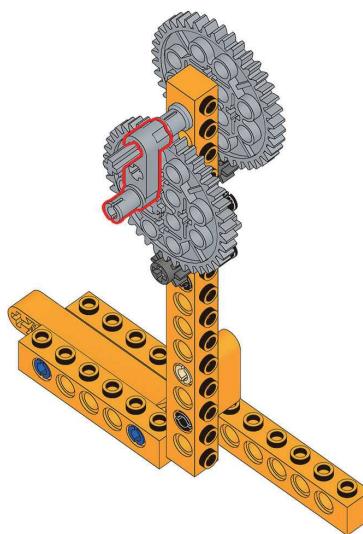
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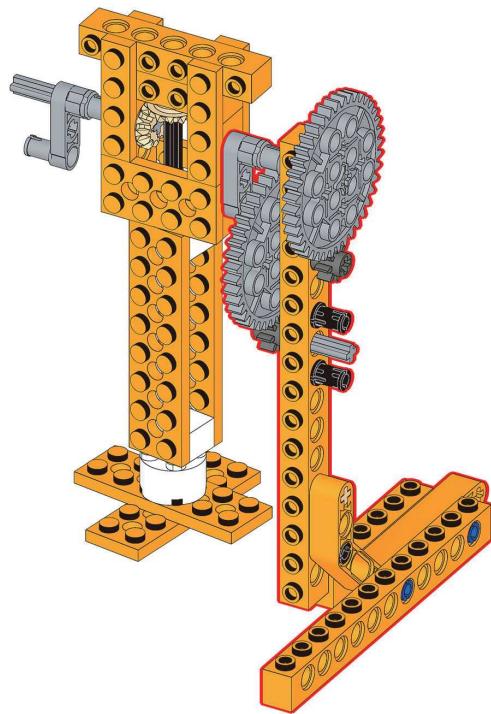
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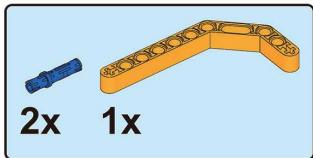
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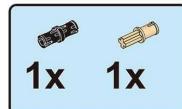
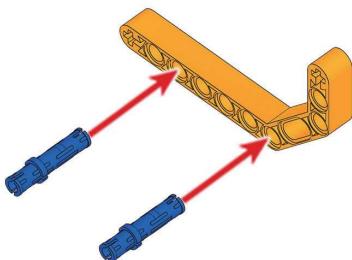
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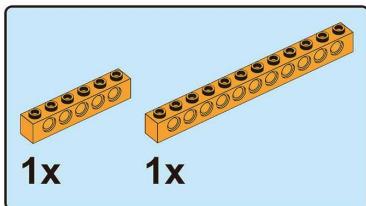
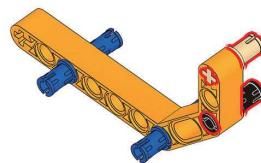
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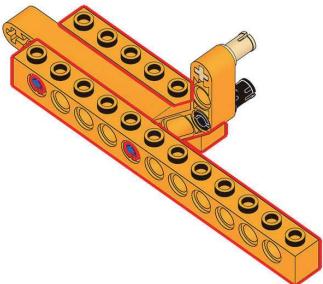
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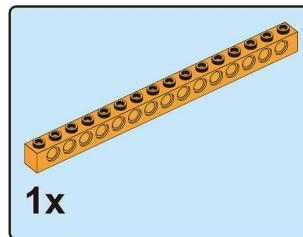
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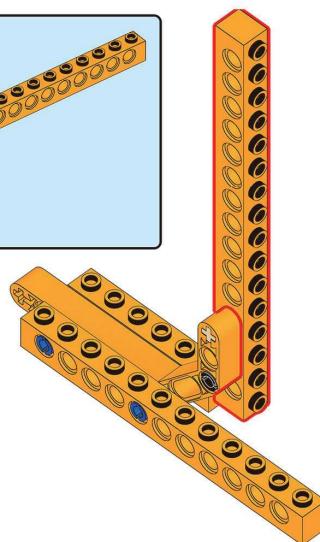
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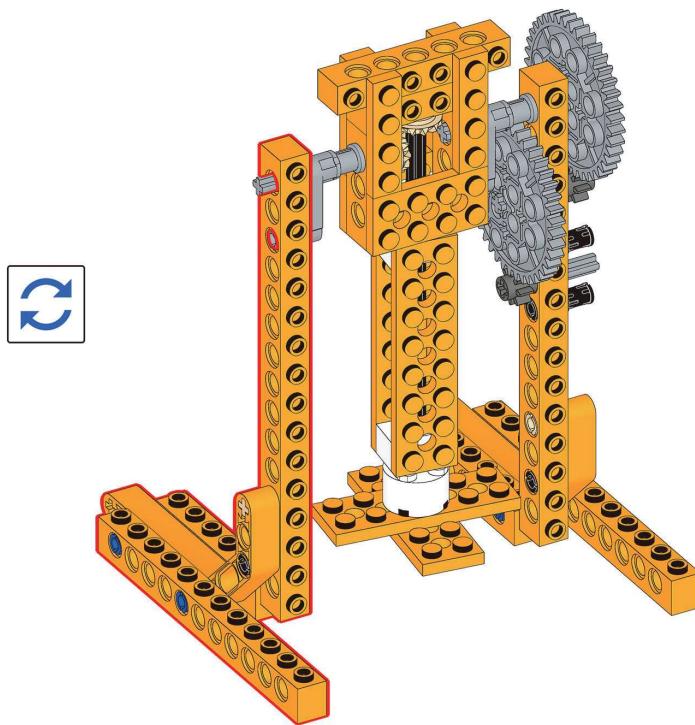
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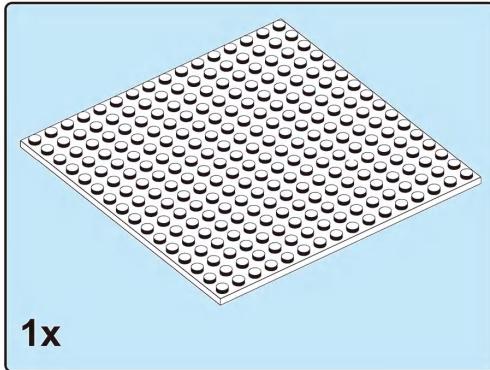
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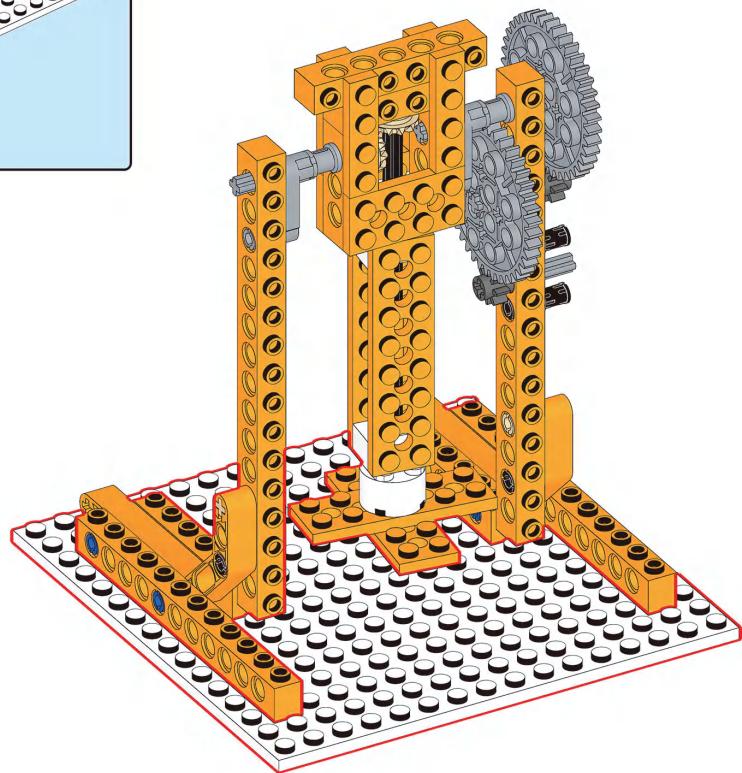
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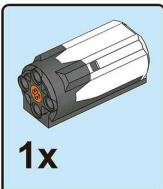
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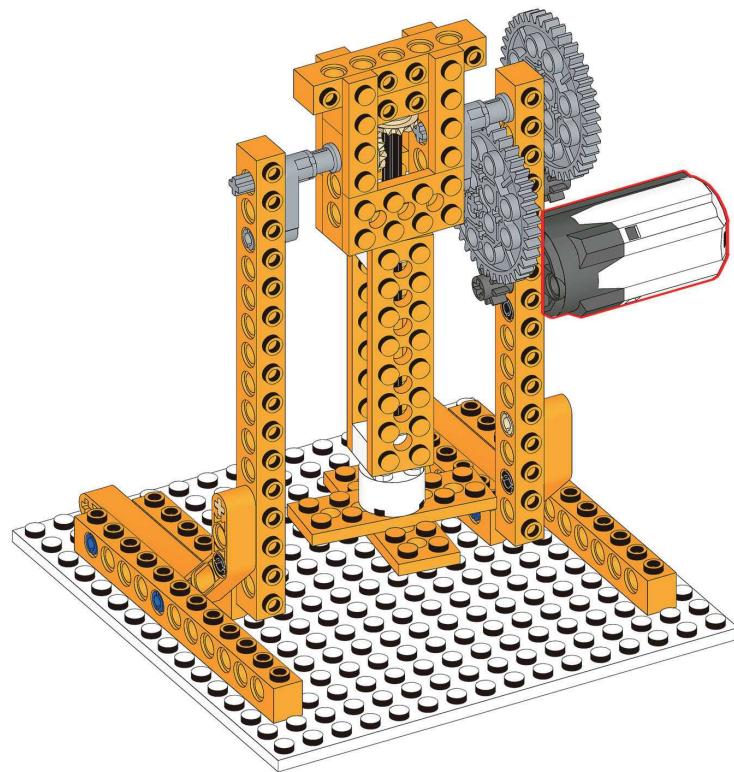


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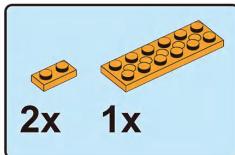


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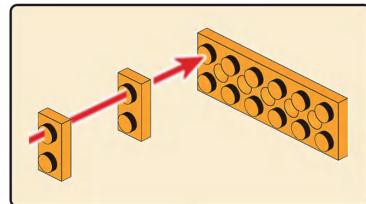
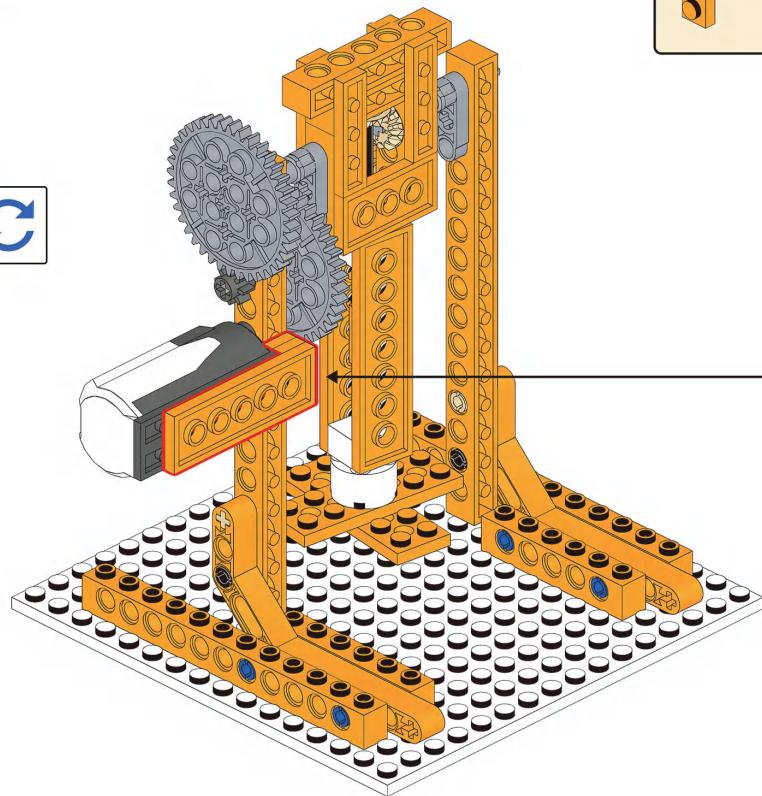
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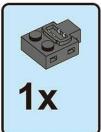
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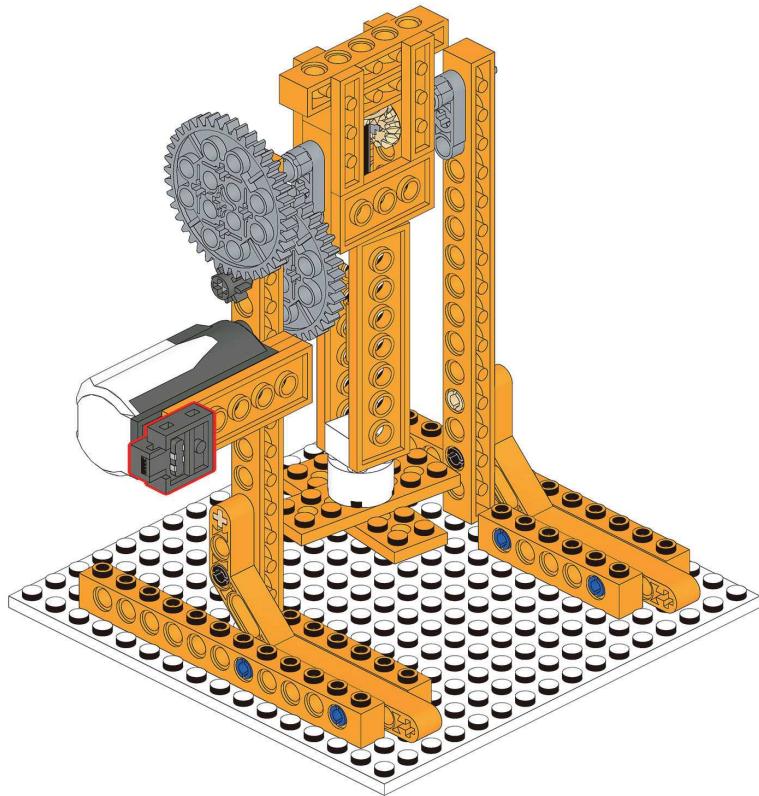
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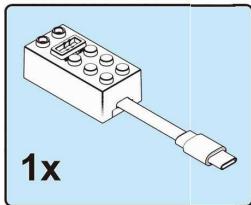
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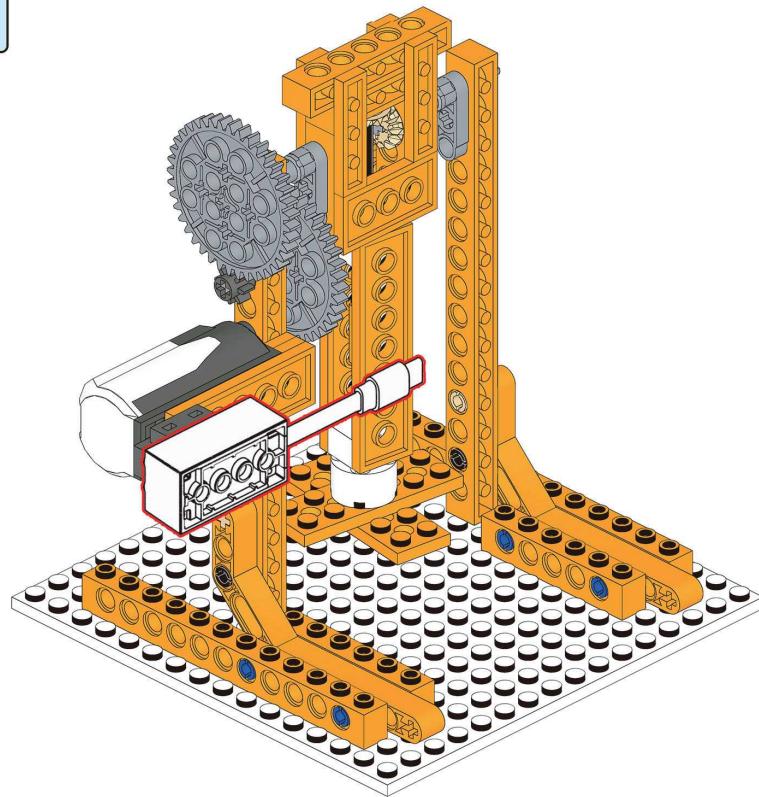
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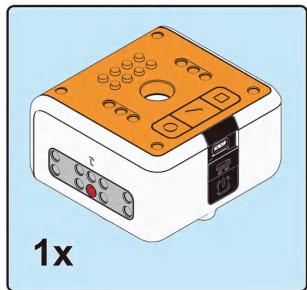
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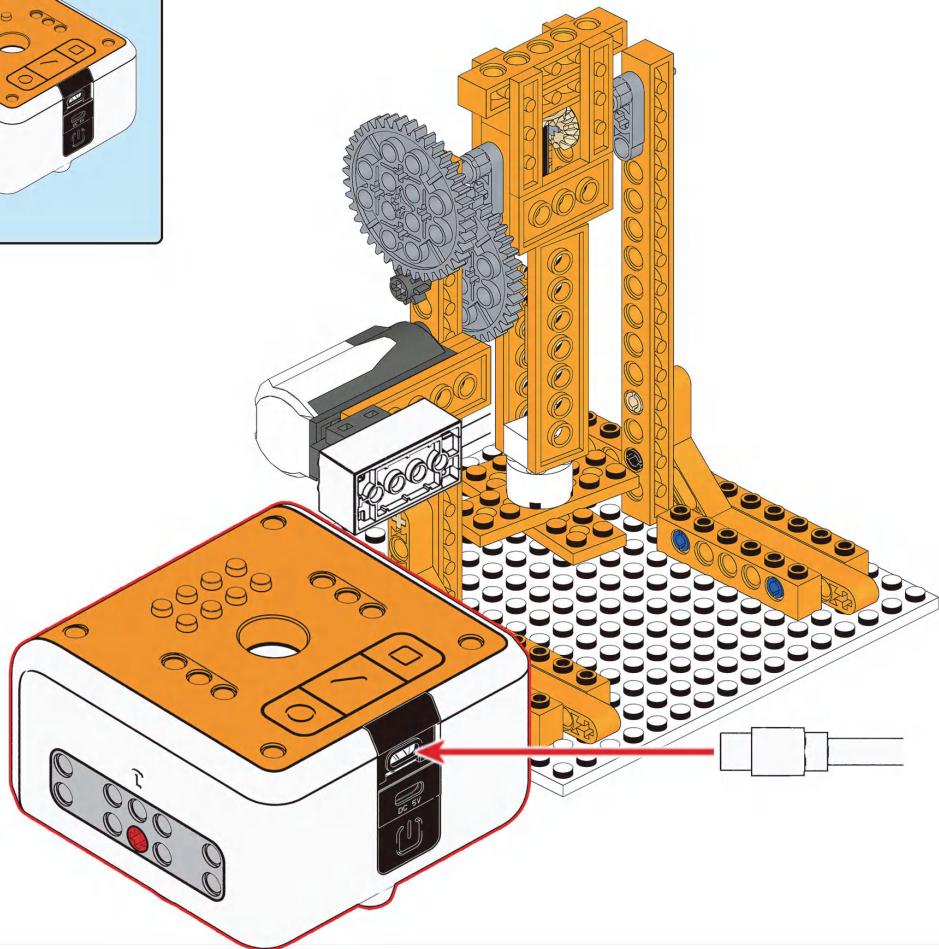
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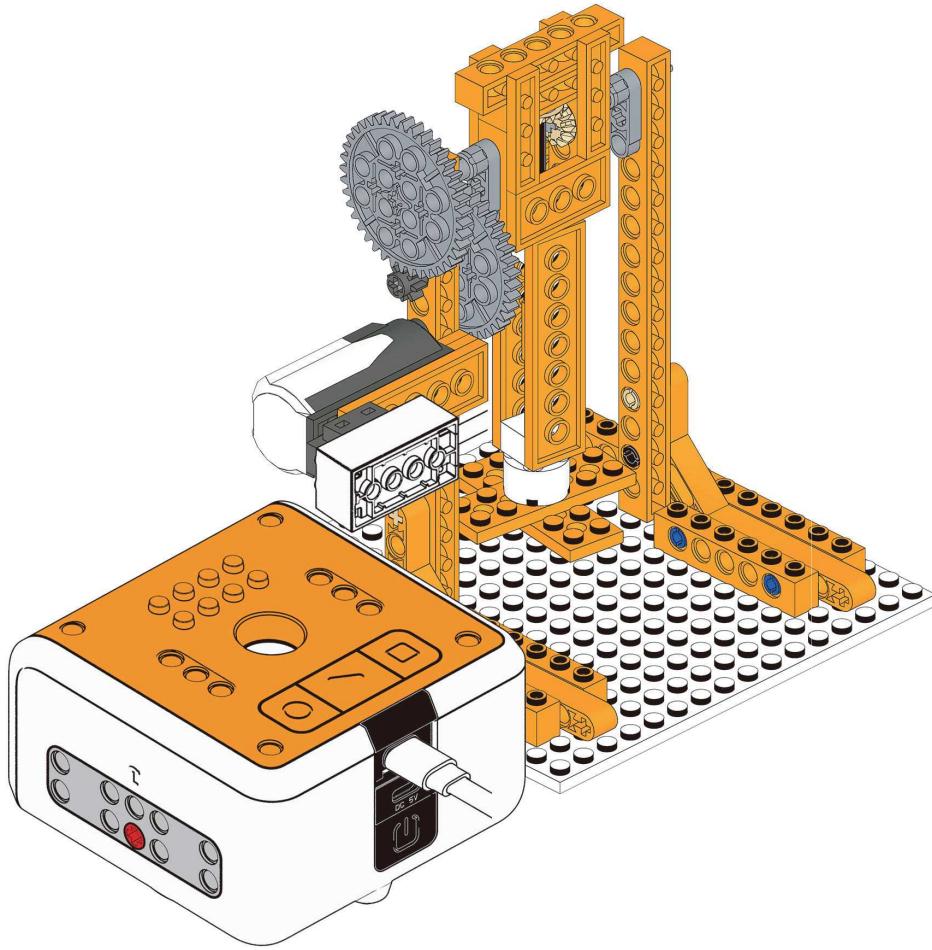
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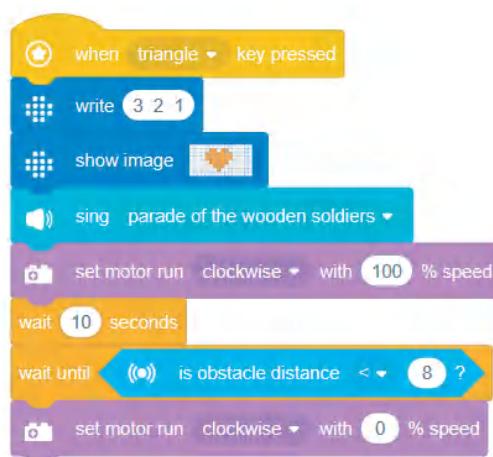


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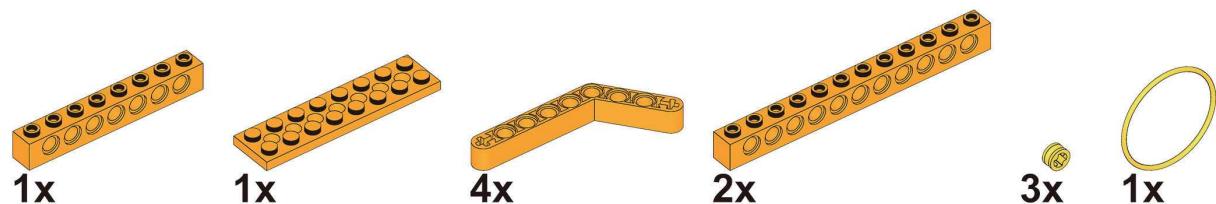
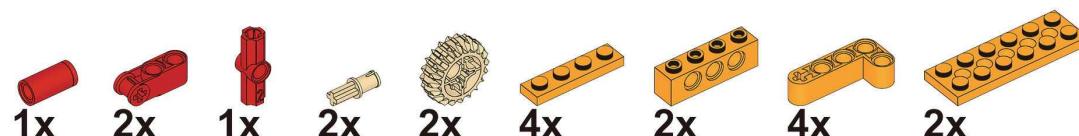
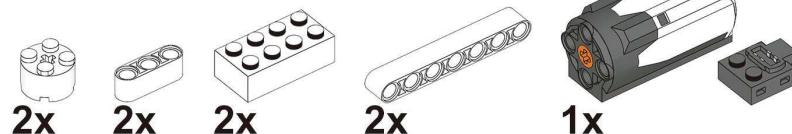
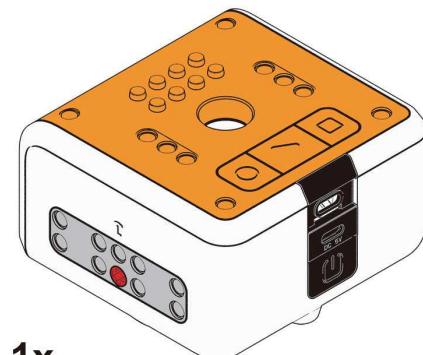
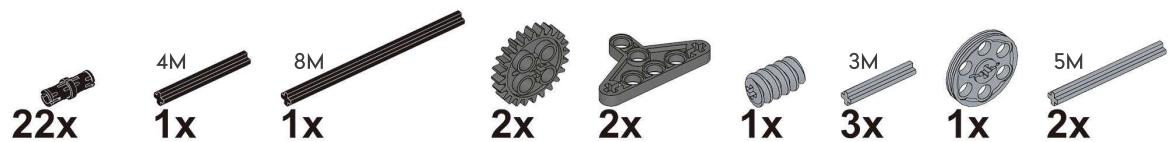
Demo Program

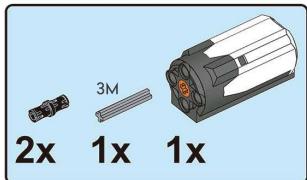


Case 3 Mechanical Claw

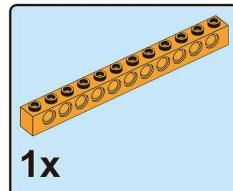
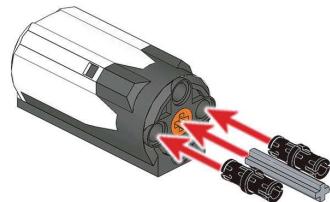


Parts List

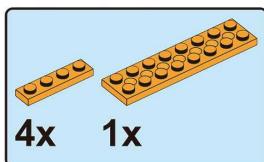
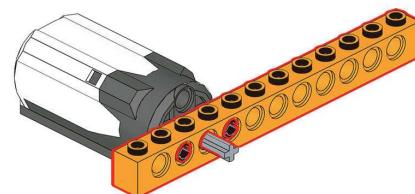




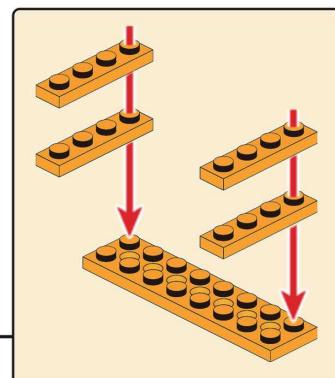
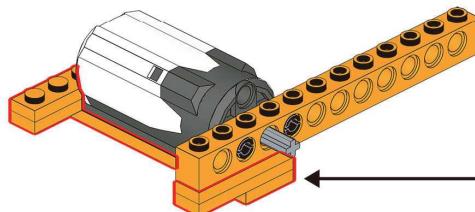
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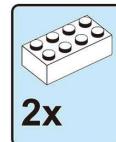
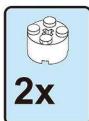
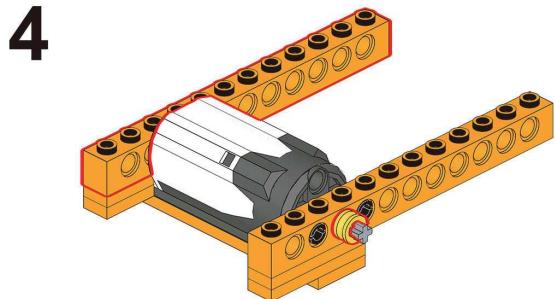
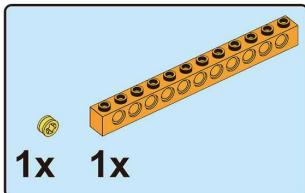
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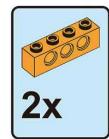
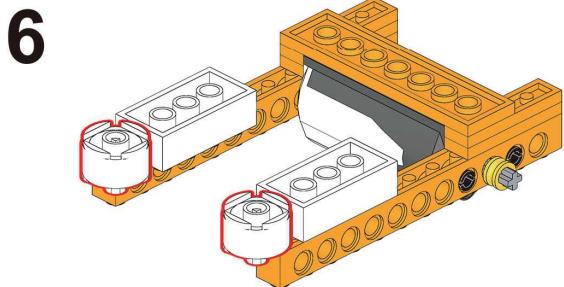
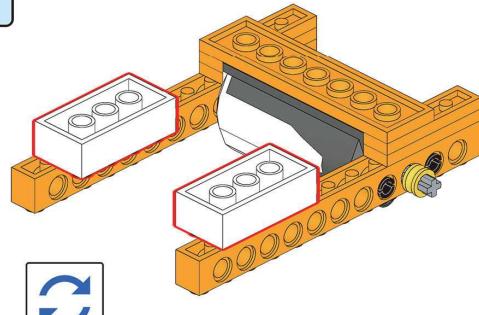
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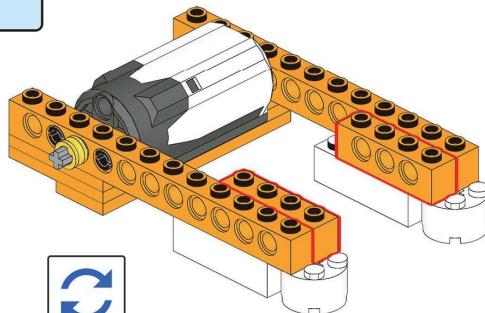
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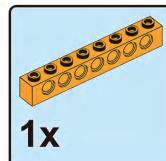
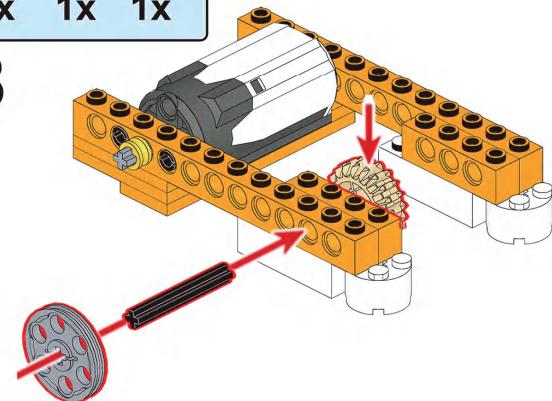
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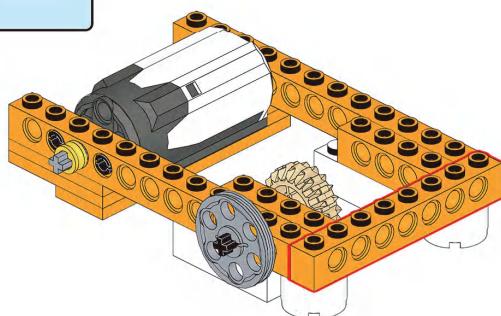
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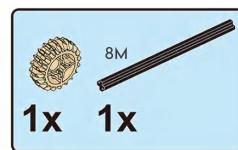
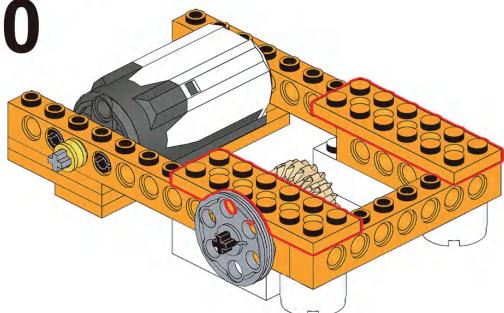
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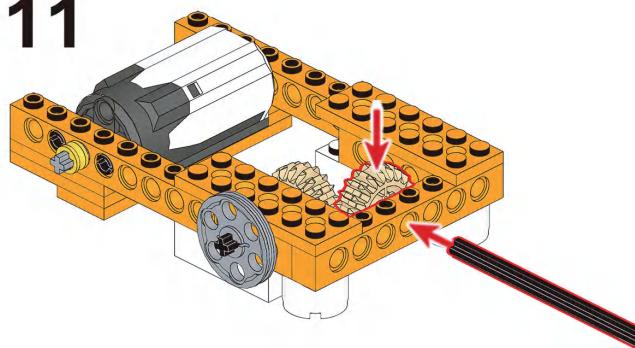
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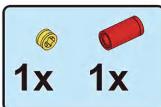
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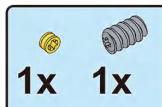
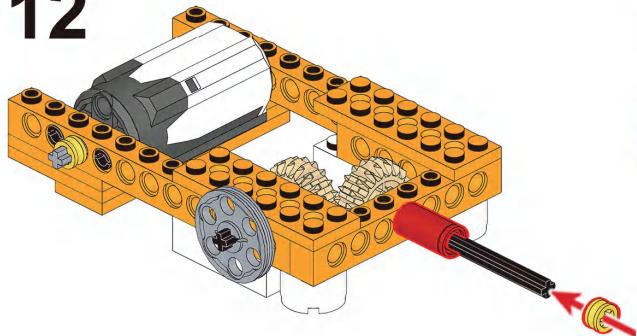
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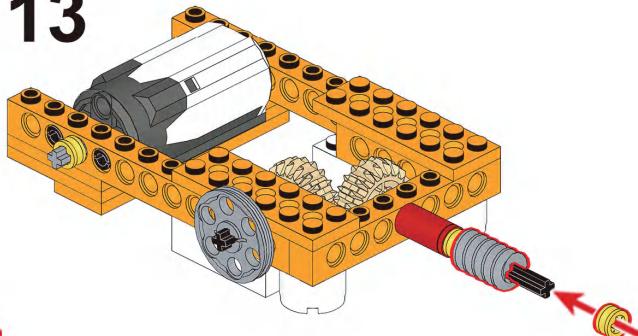
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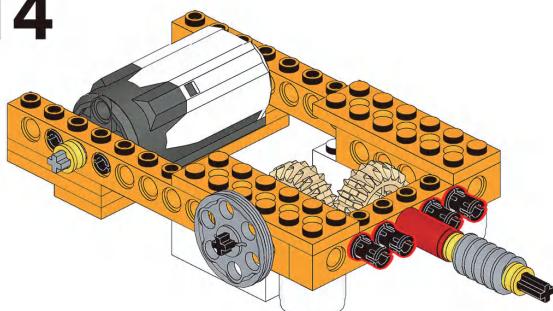
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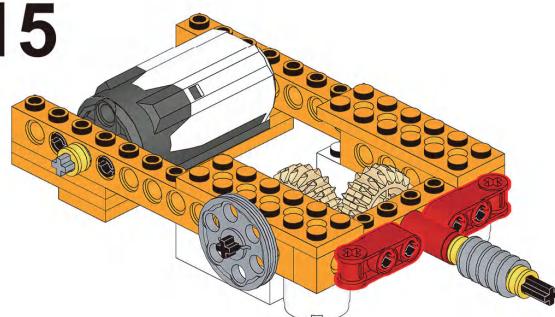
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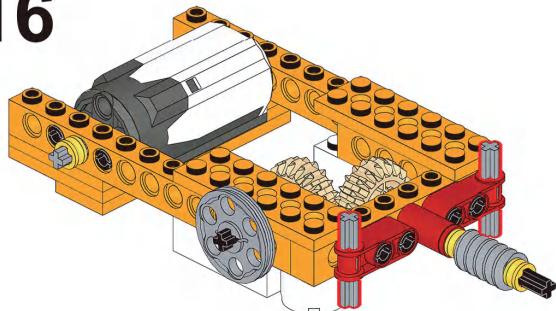


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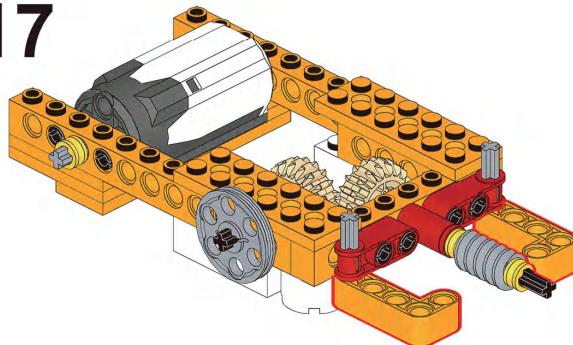




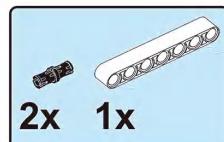
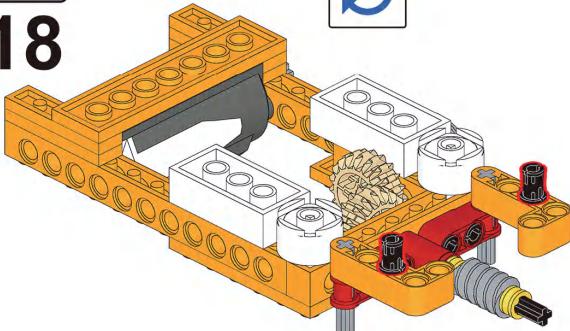
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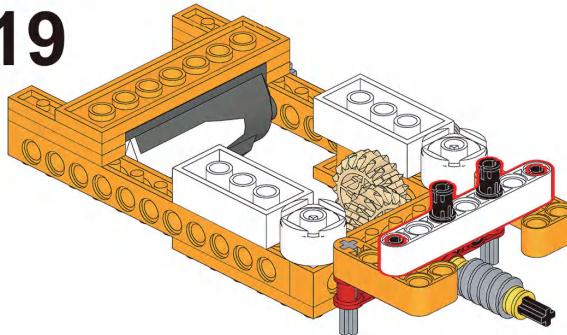
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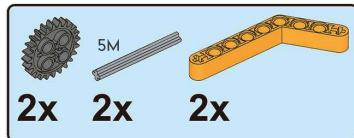


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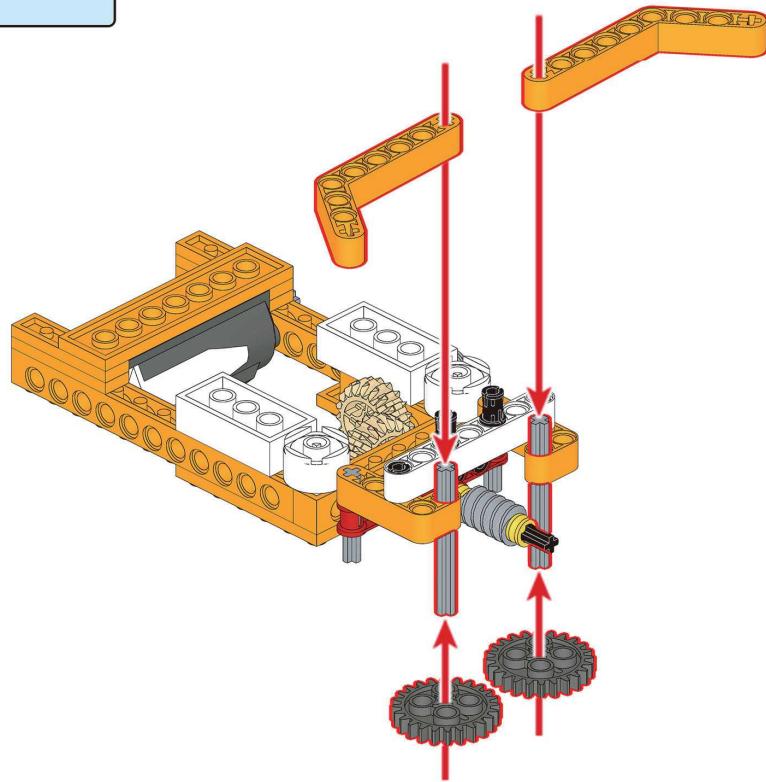


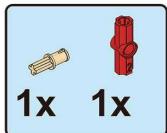
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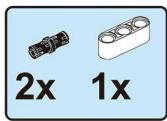
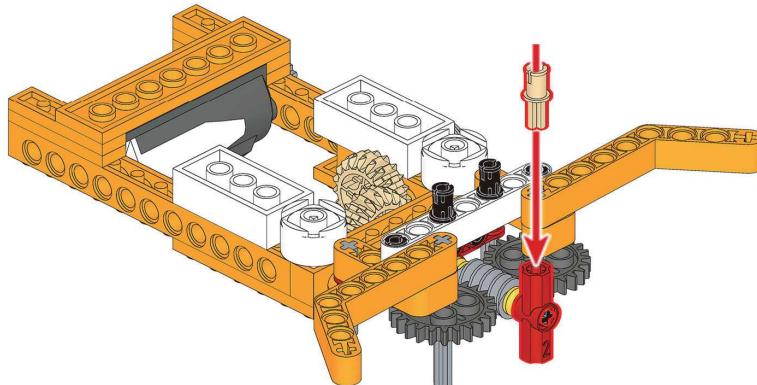


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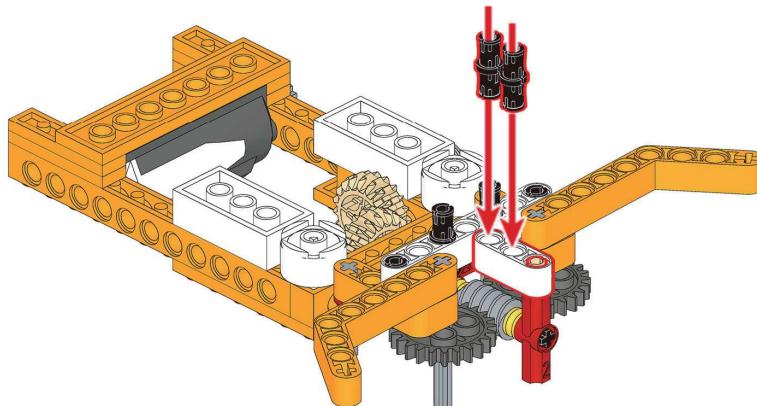




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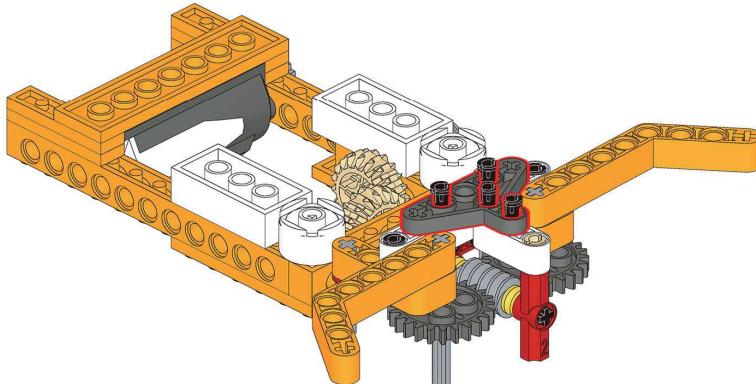


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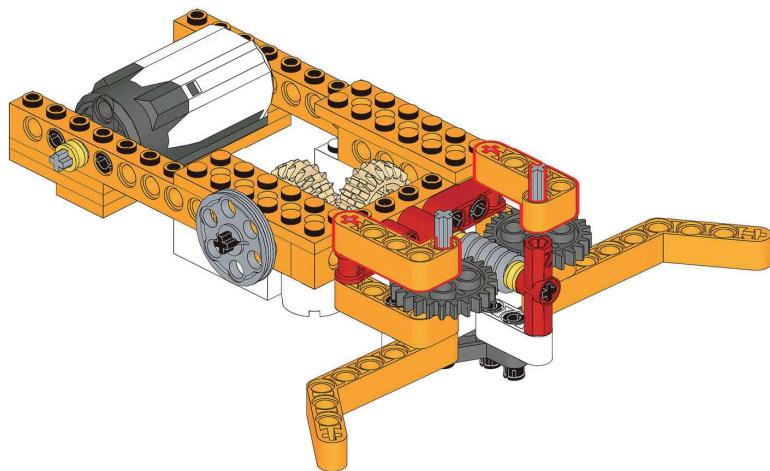


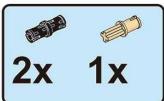


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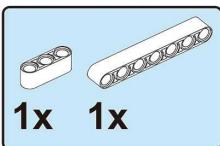
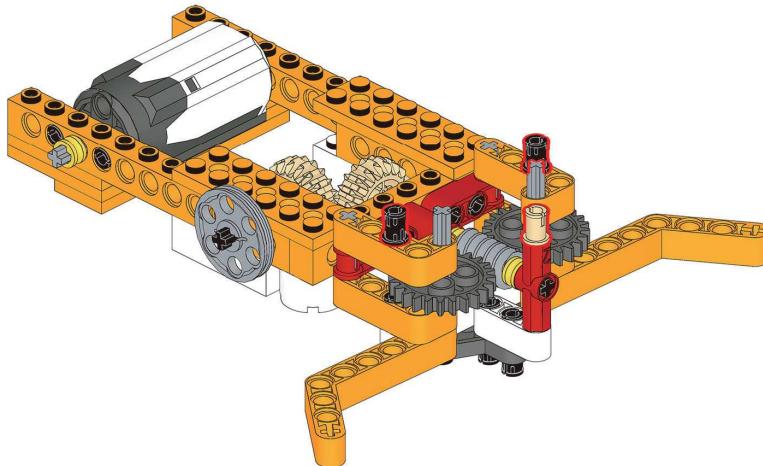
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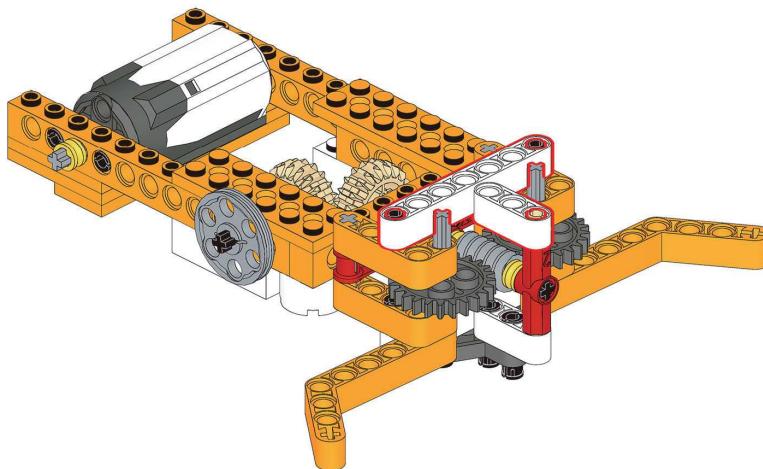
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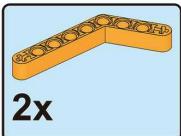


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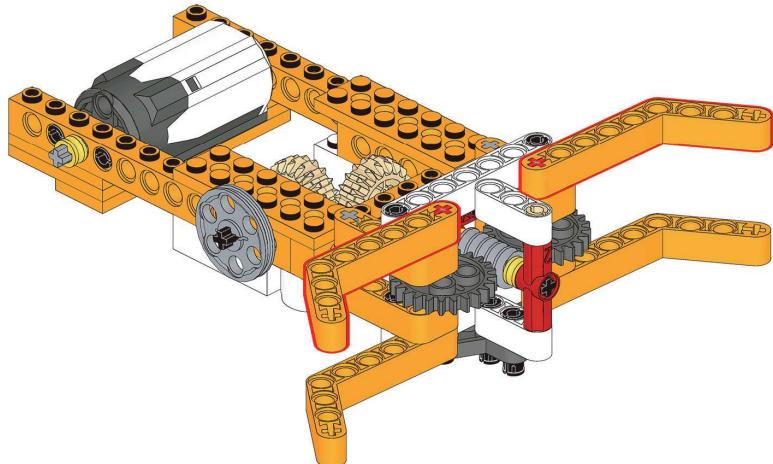


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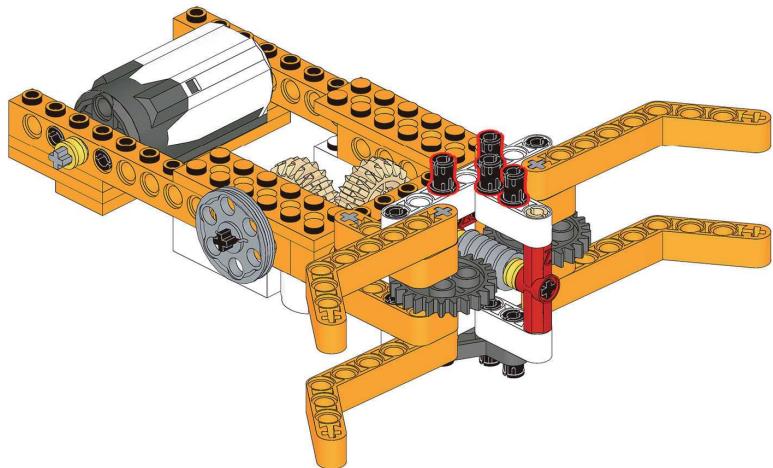




27



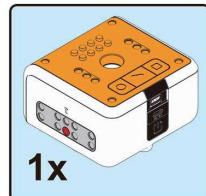
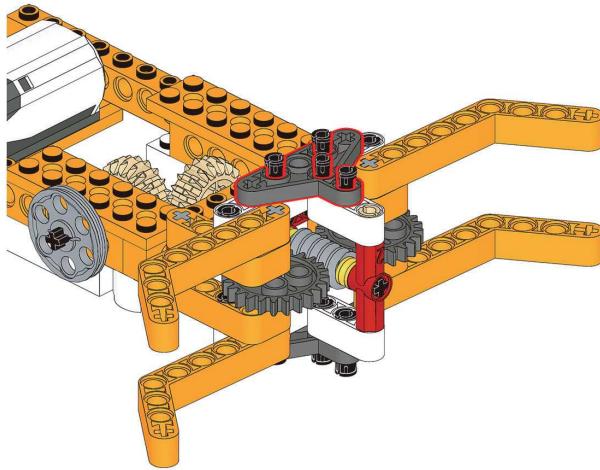
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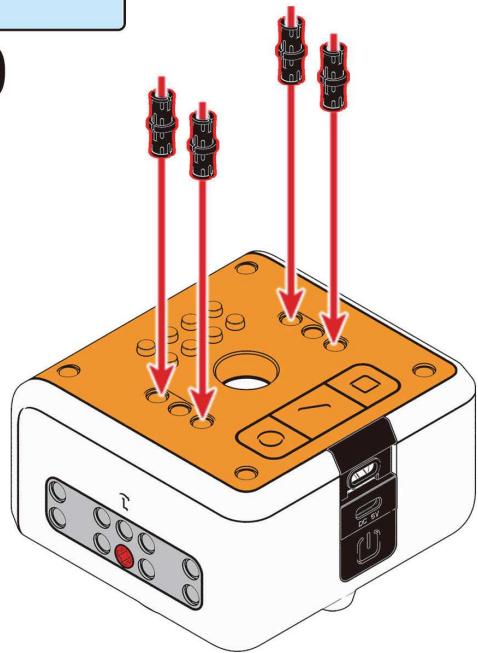
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29



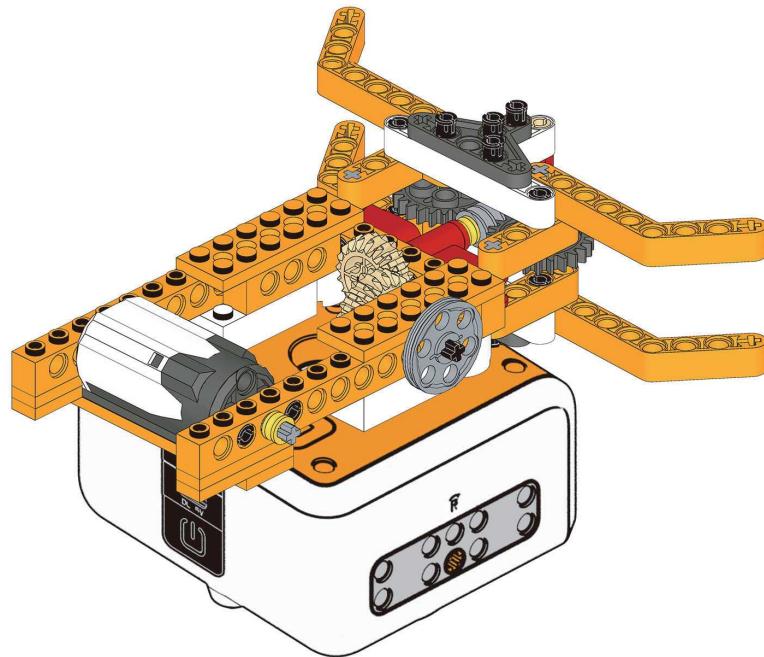
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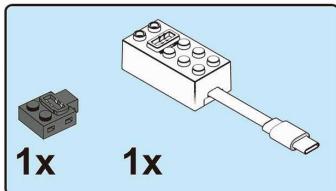


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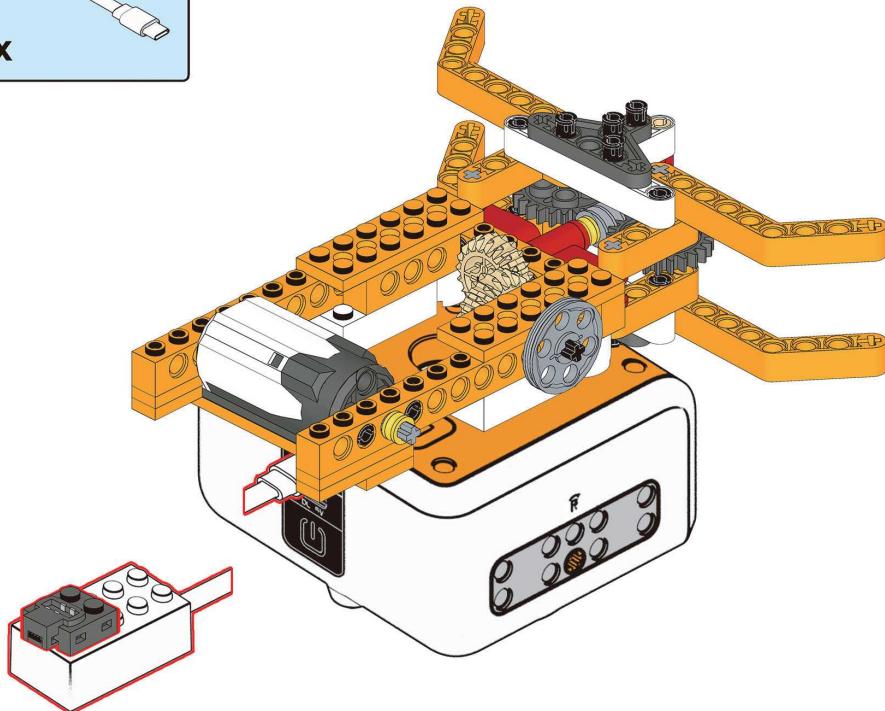
31



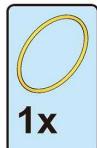
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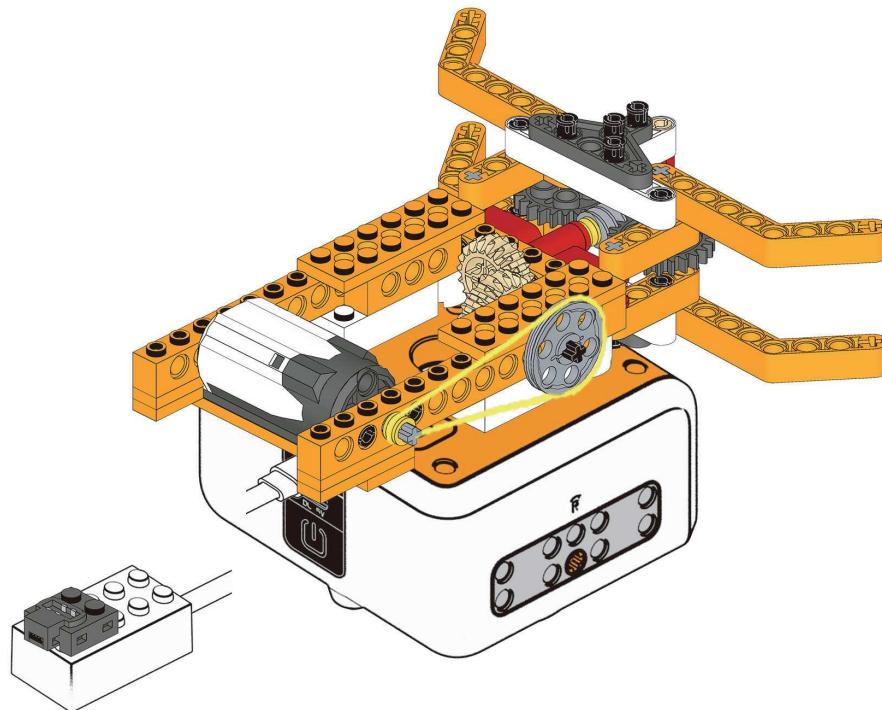
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13



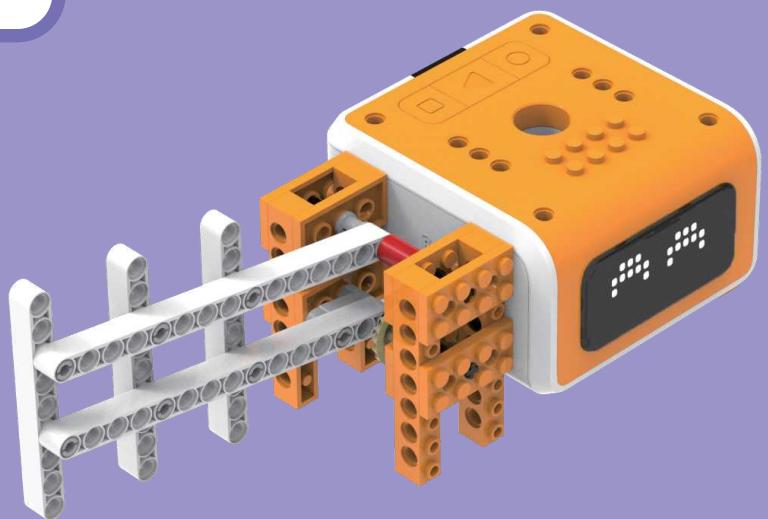
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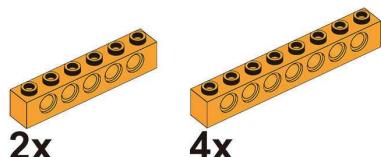
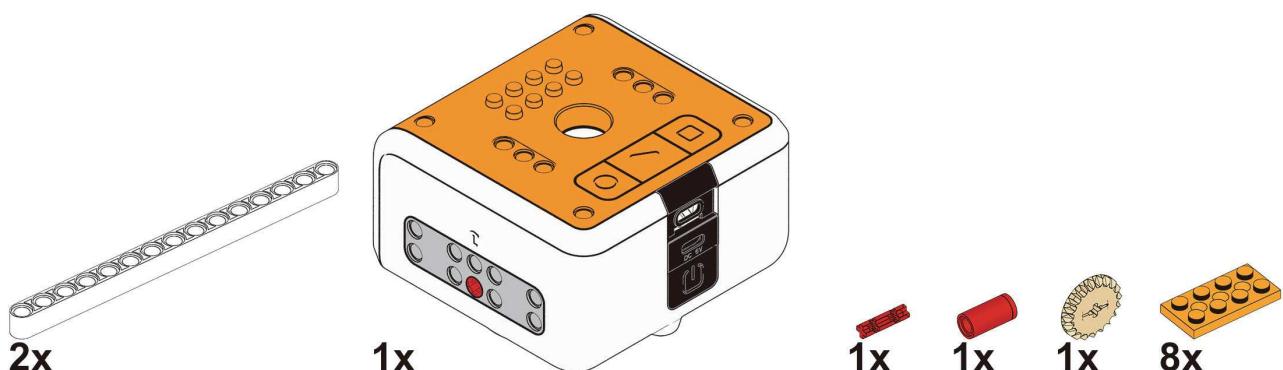
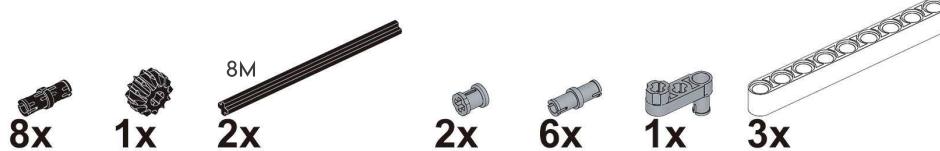
Demo Program

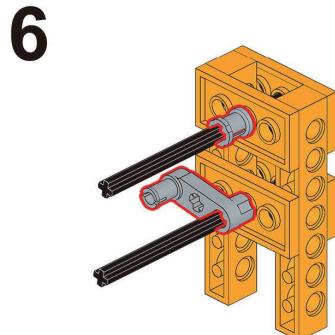
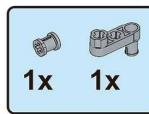
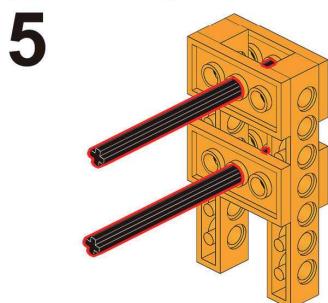
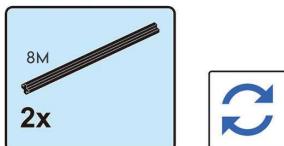
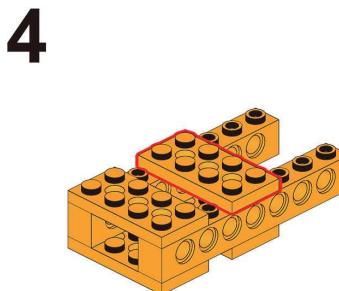
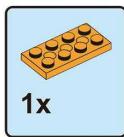
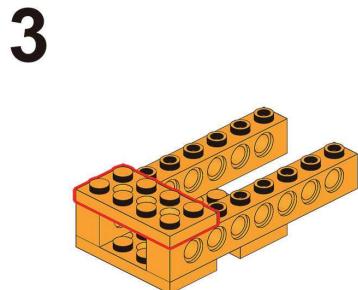
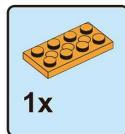
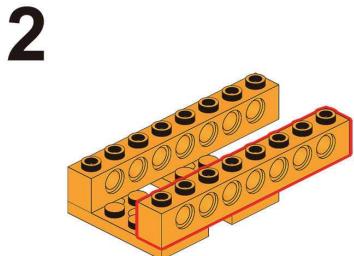
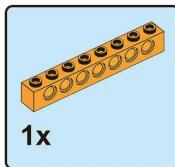
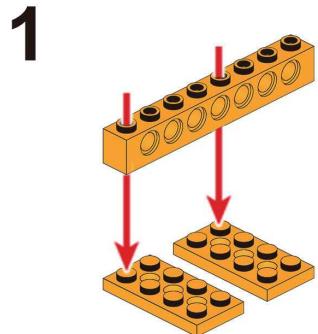
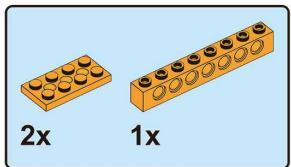


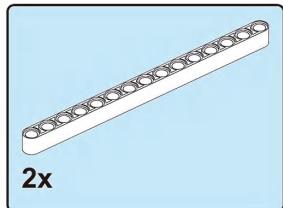
Case 4 Induction Door



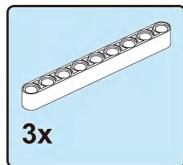
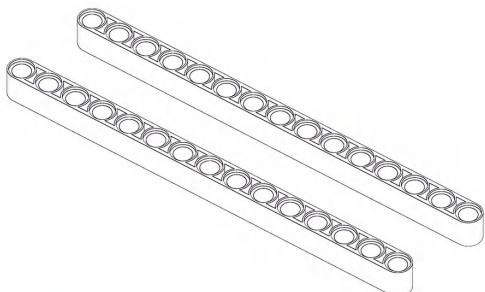
Parts List



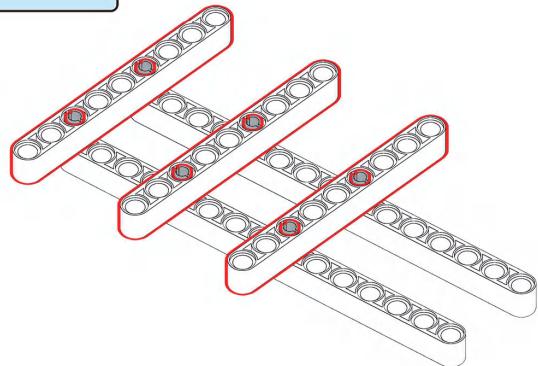




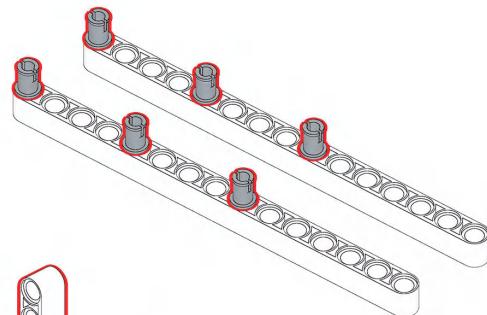
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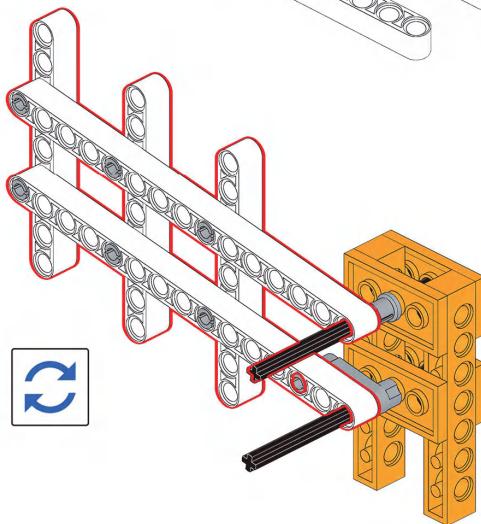
9



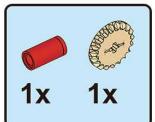
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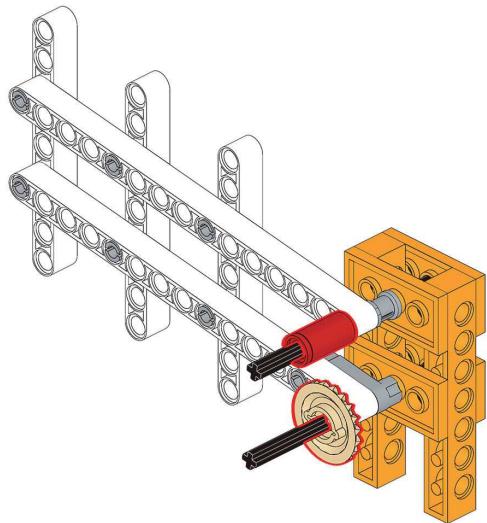
10



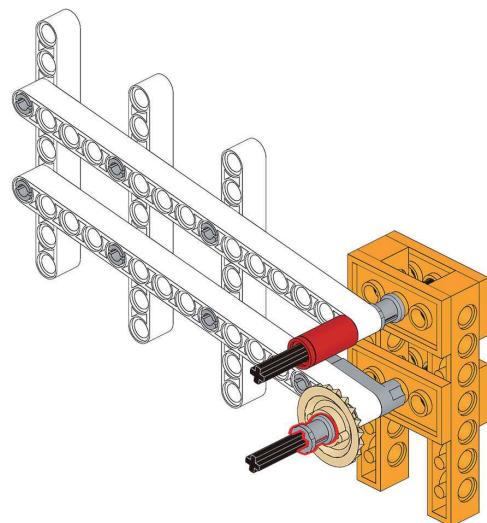
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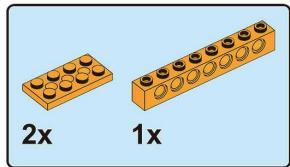
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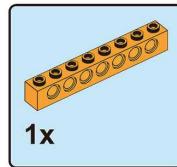
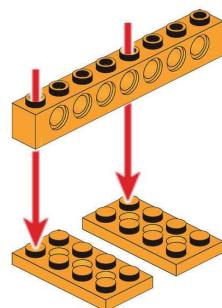
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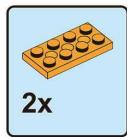
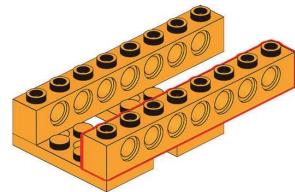
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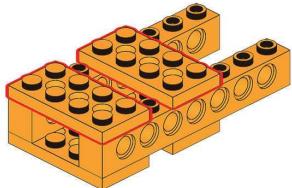
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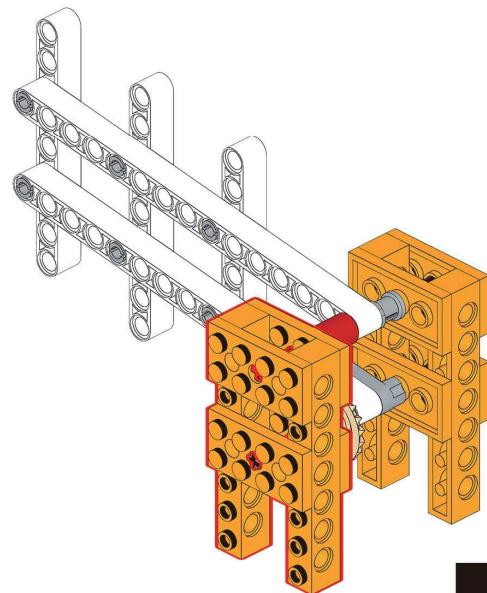
14



15

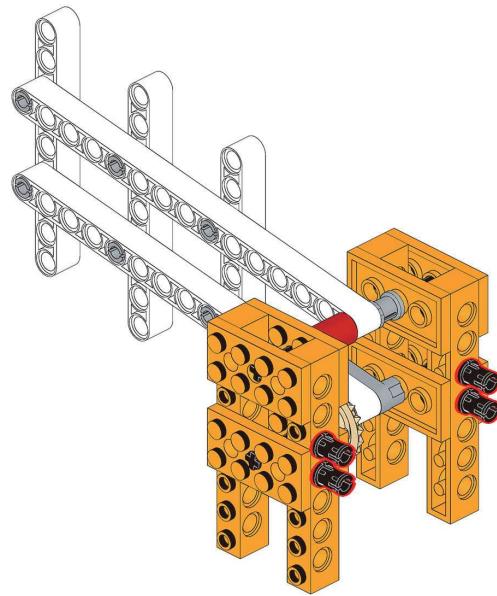


16

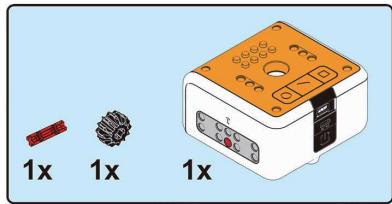




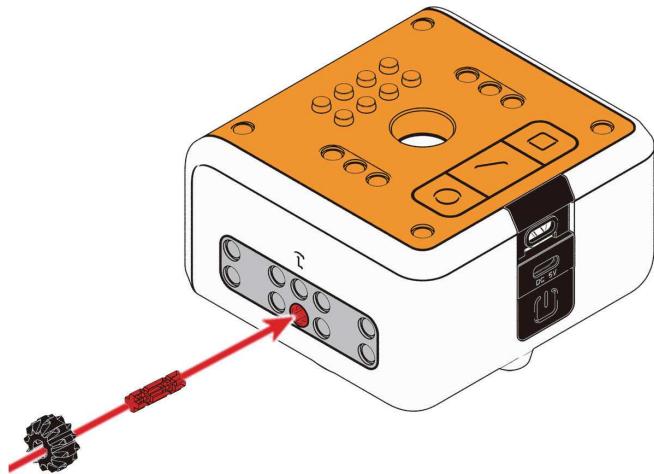
17



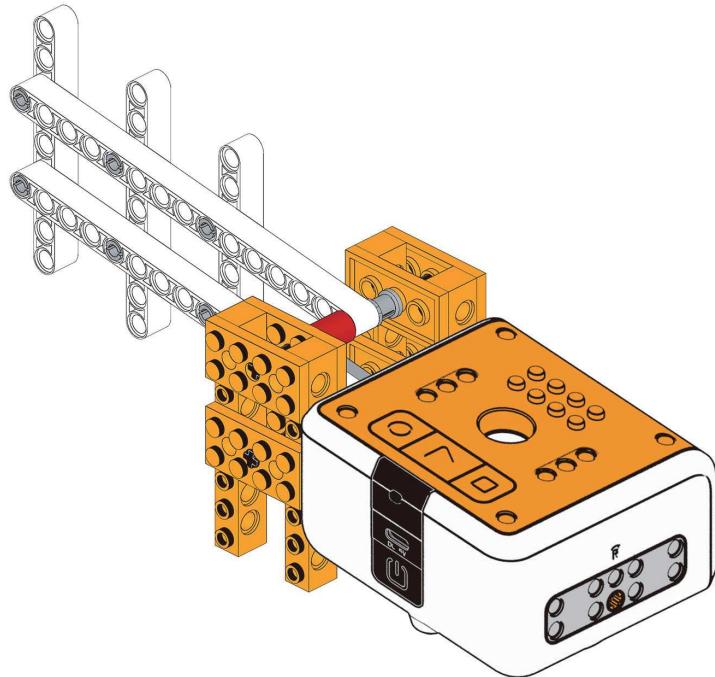
5



18



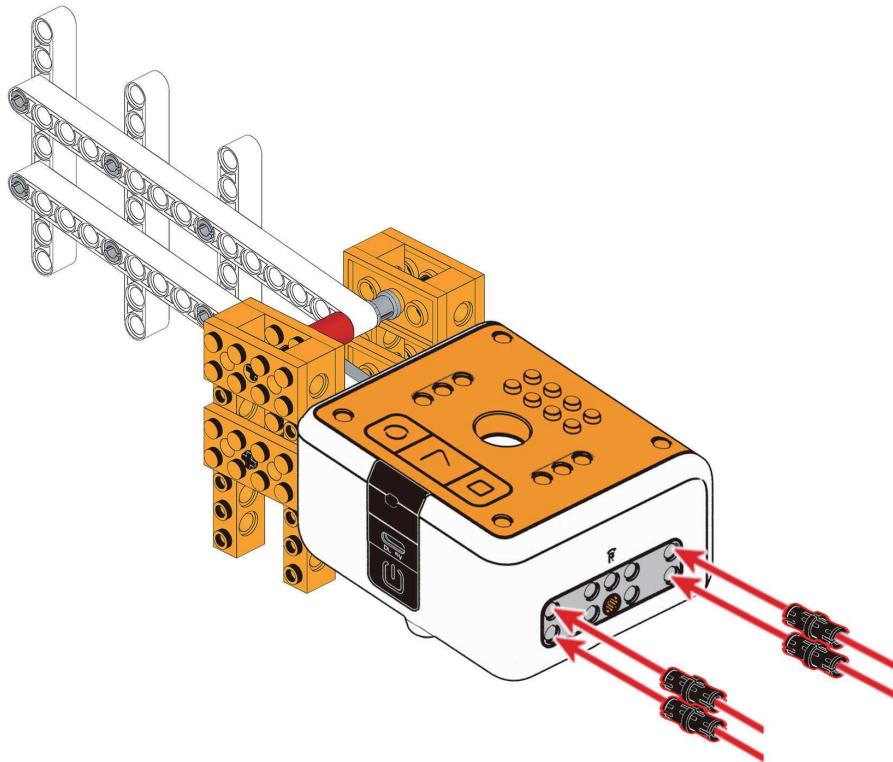
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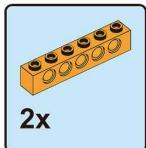


7

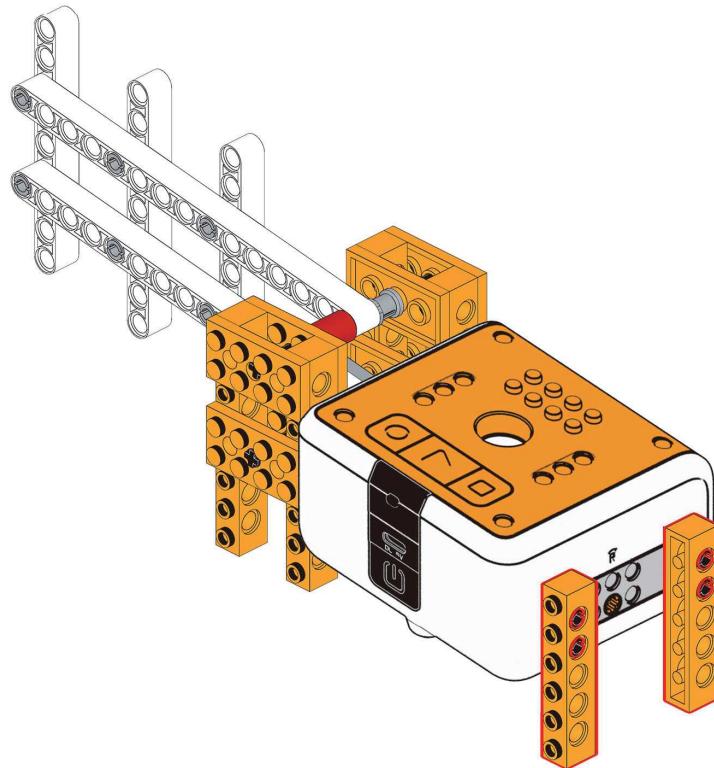


4x

20**8**



21



9

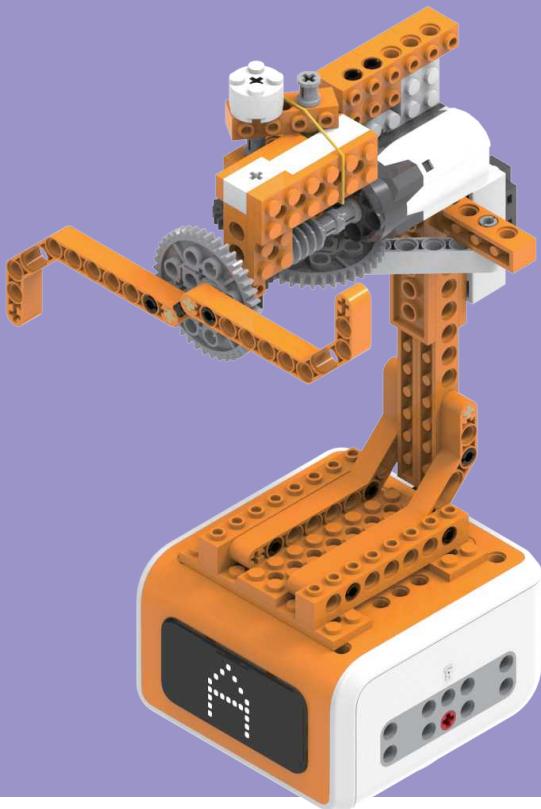
Demo Program

```
when square key pressed
  L run 0.4 rotations with 100 % speed
```

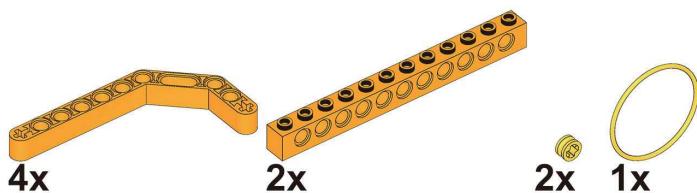
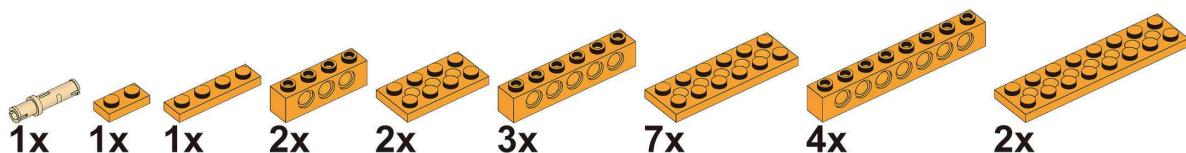
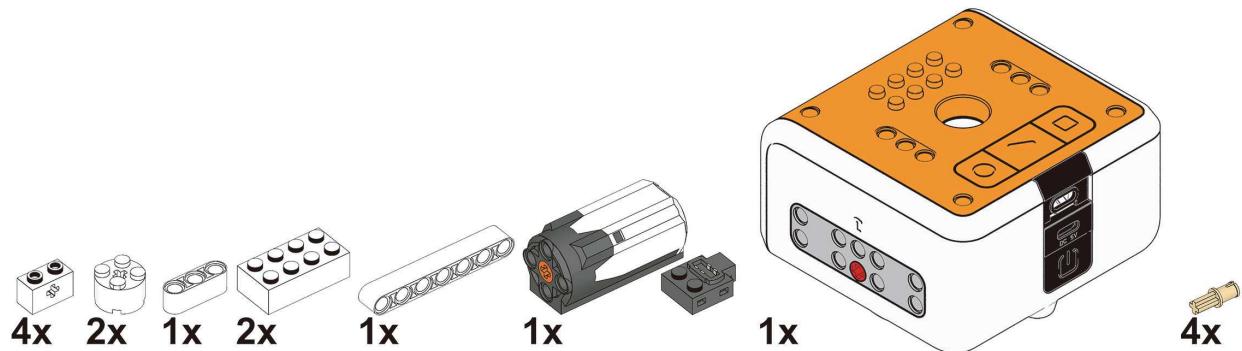
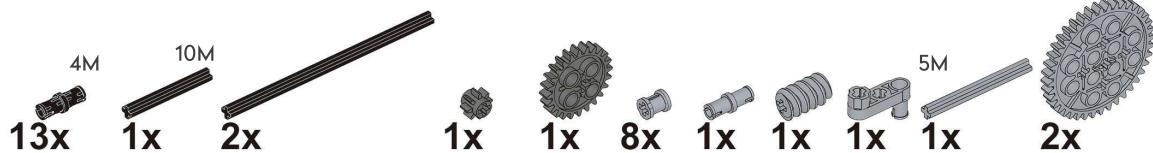
```
when circular key pressed
  L run -0.4 rotations with 100 % speed
```

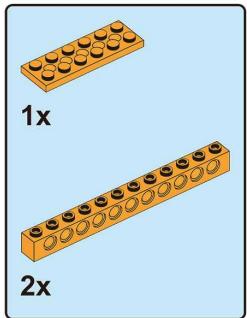
```
when obstacle distance < 20
  write hello
  L run 0.4 rotations with 100 % speed
  wait 3 seconds
  L run -0.4 rotations with 100 % speed
  show image 
```

Case 5 Smart Fan

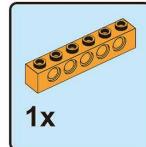
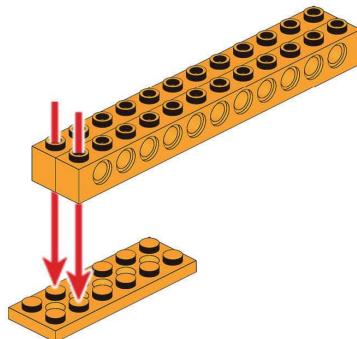


Parts List

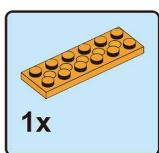
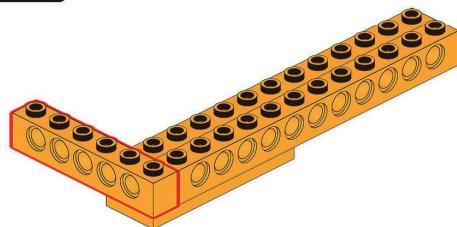




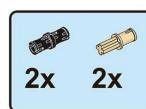
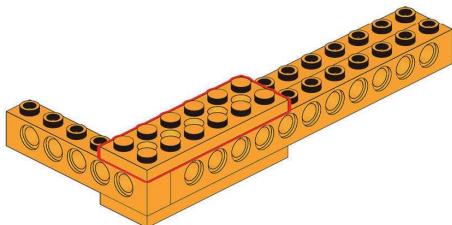
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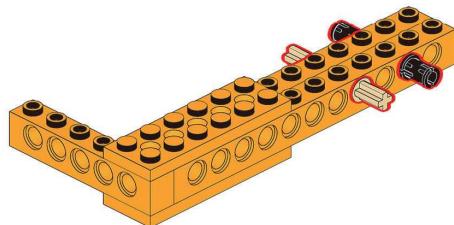
2

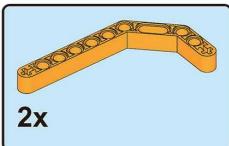


3



4

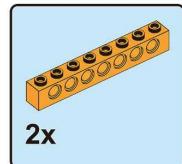




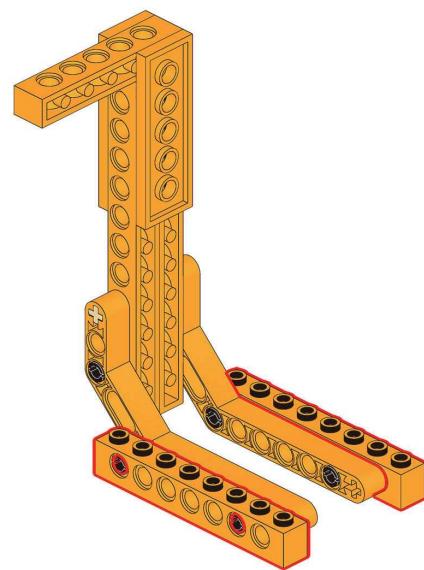
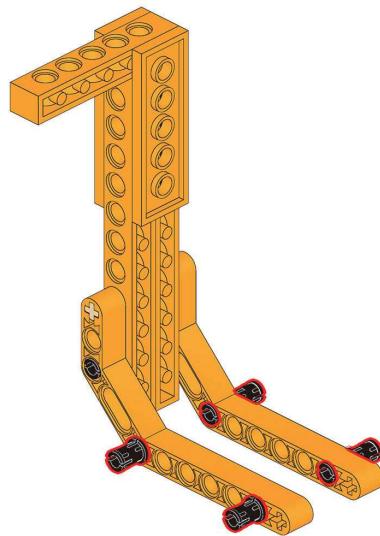
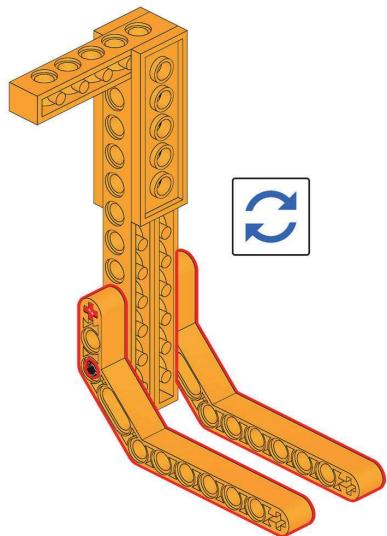
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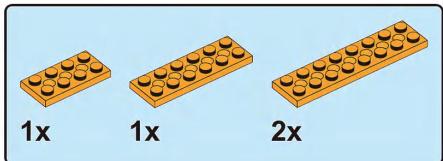
5

4x

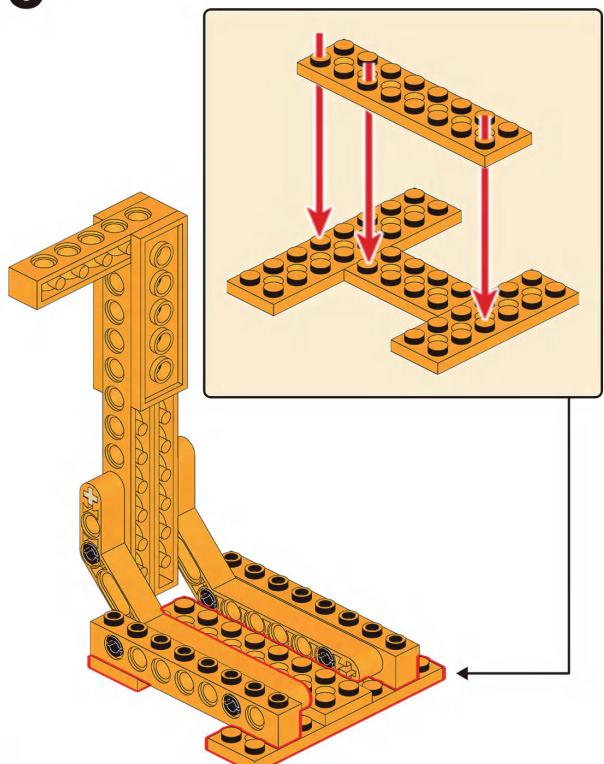
6

2x

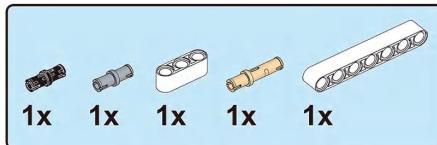
7**2**



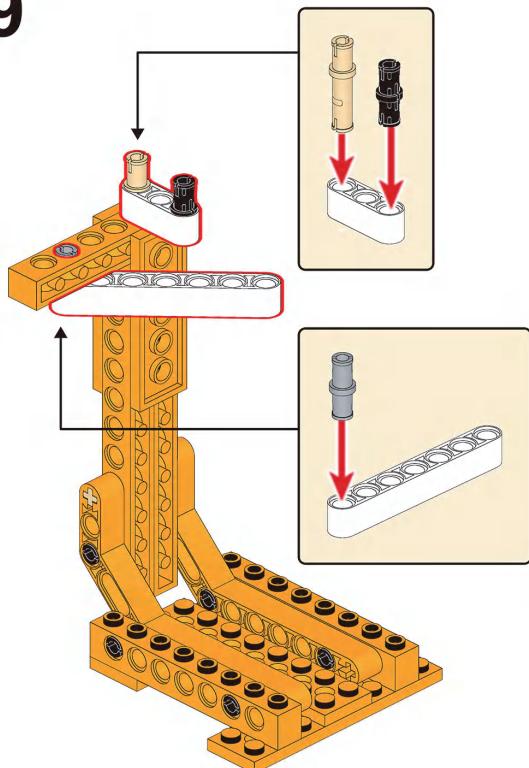
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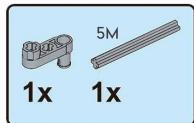


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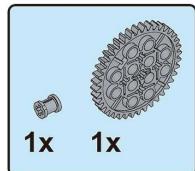
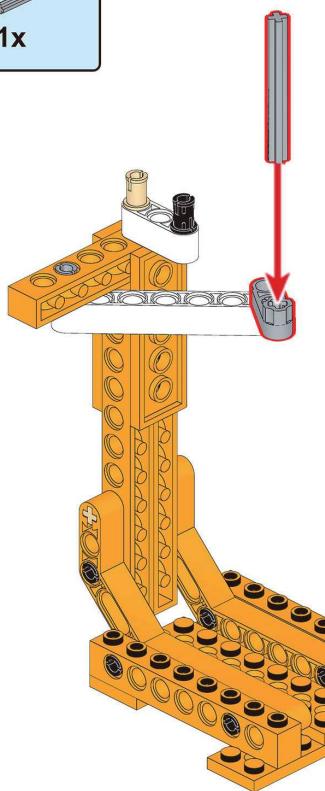


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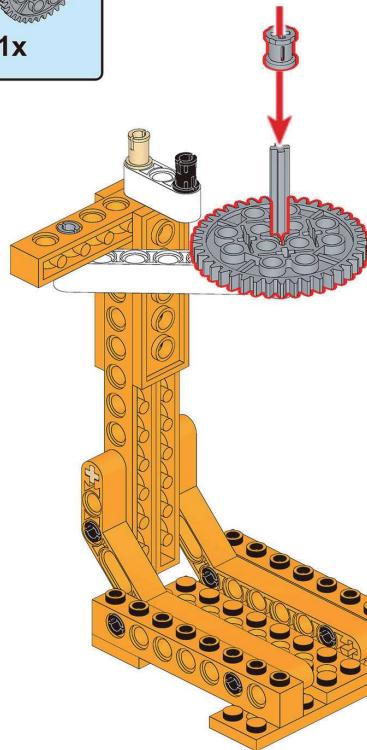


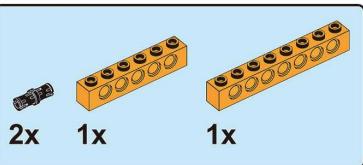


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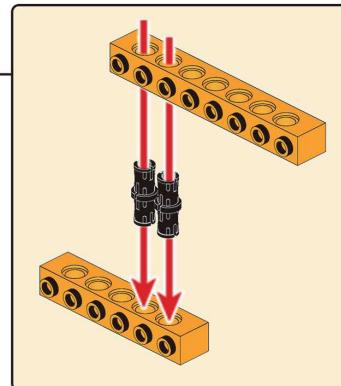
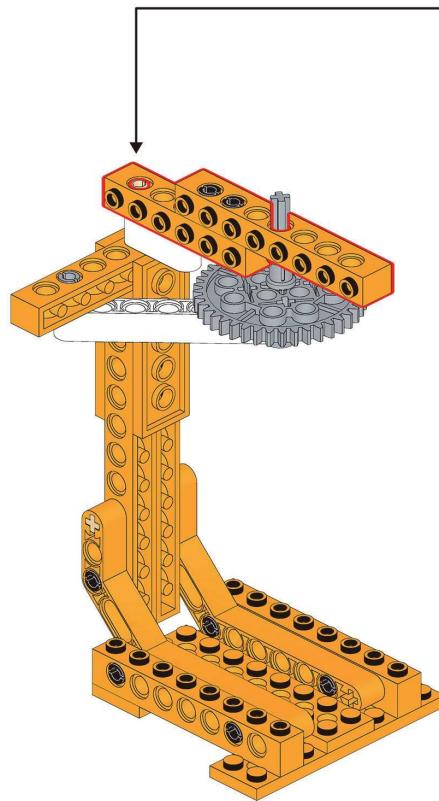


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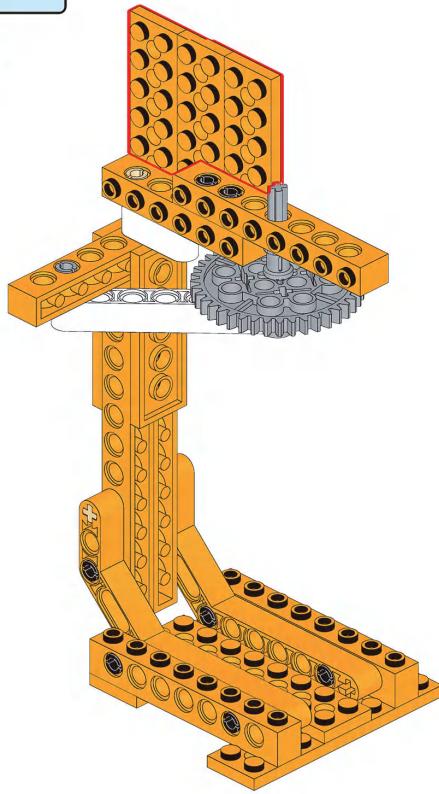


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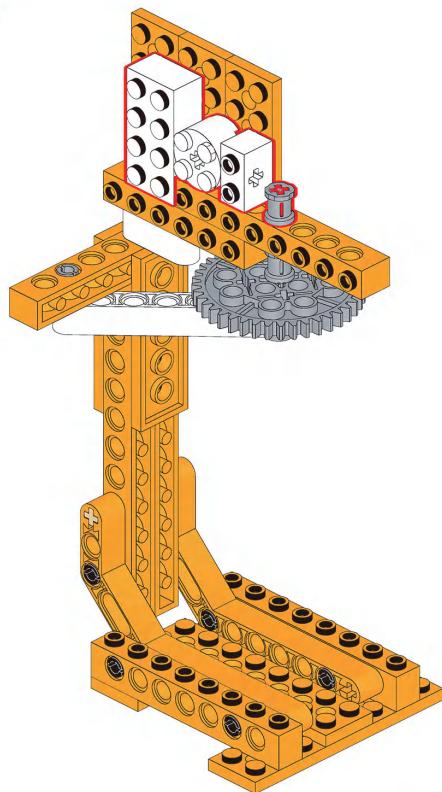
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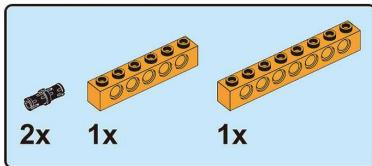


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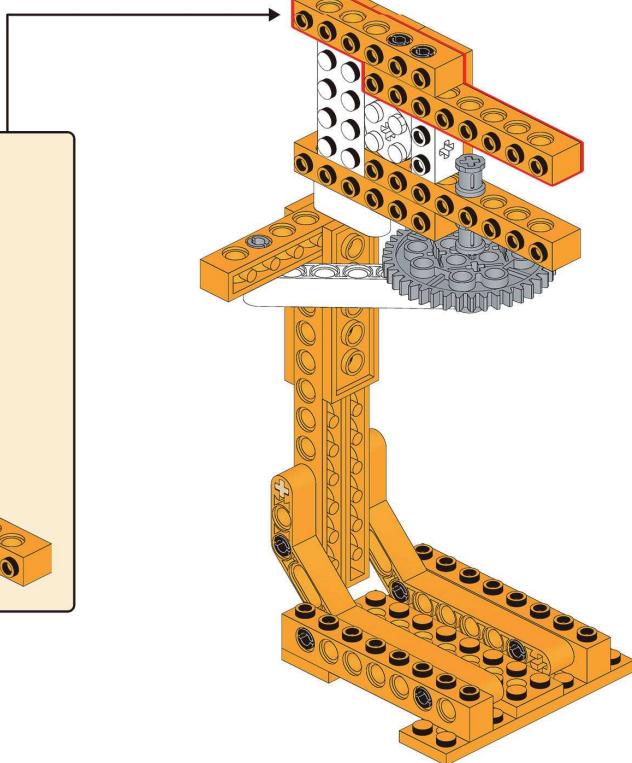
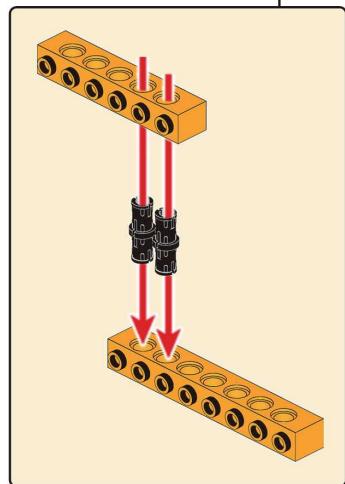
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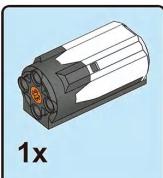


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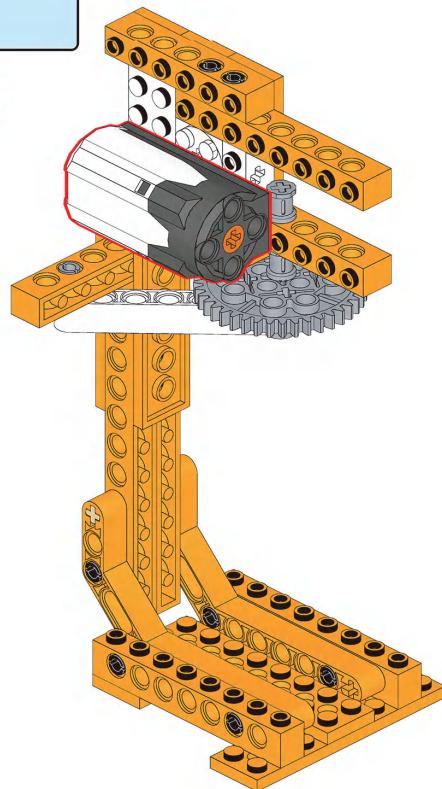


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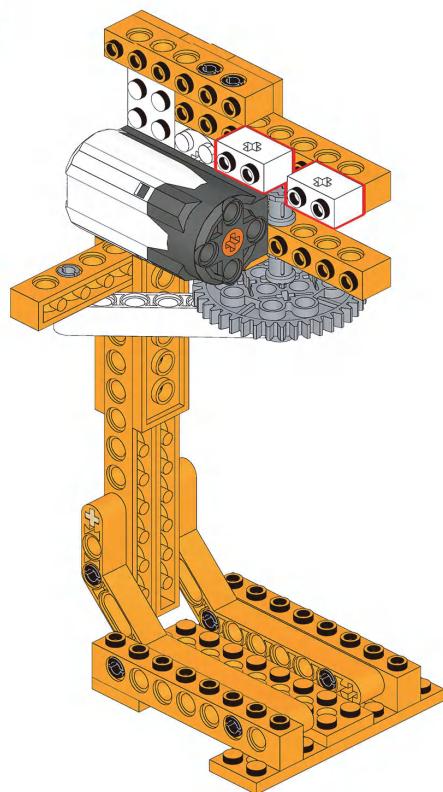


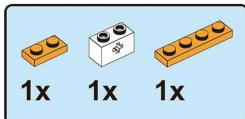


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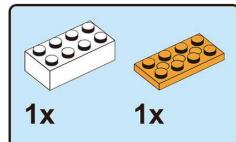
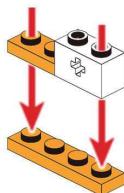


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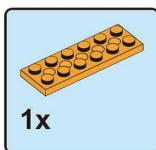
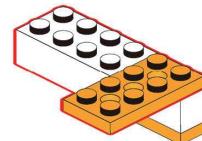




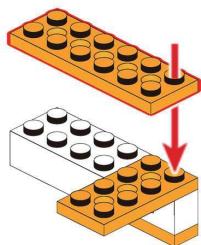
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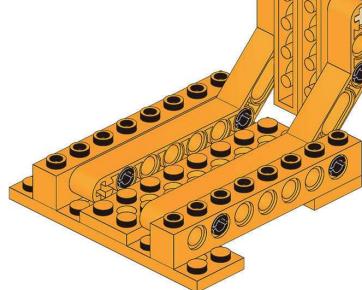
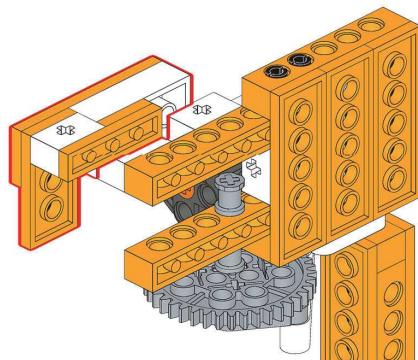
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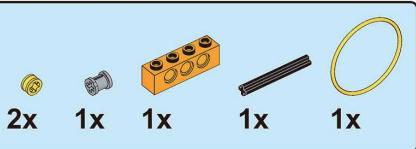


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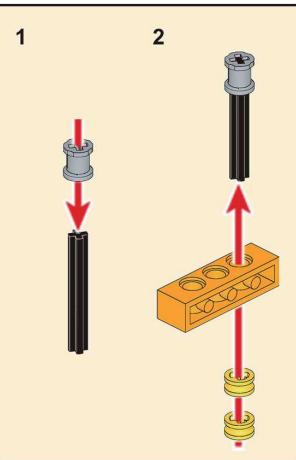
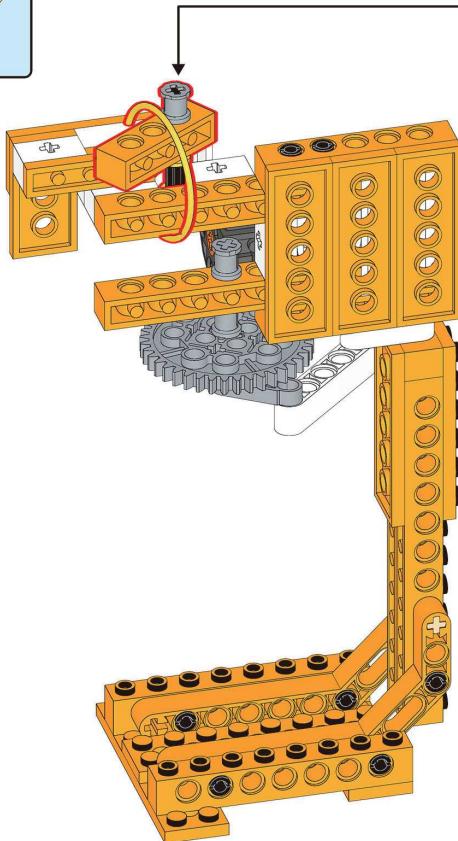


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4M



22

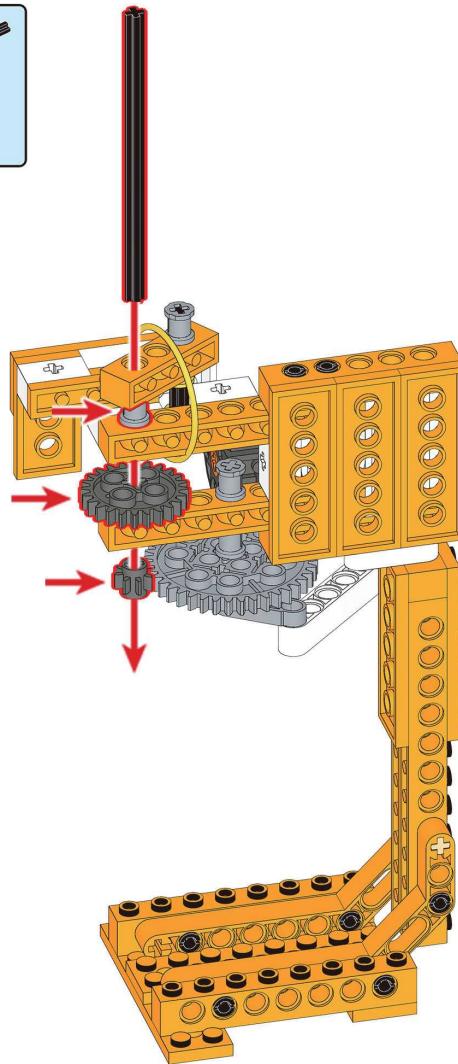


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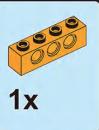
10M

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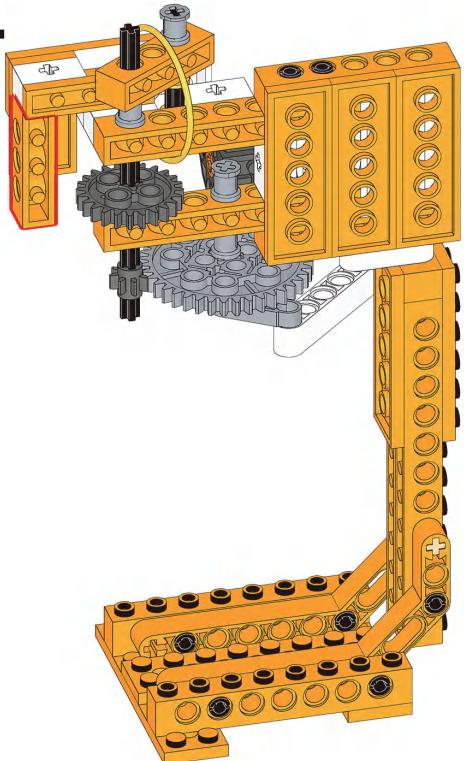
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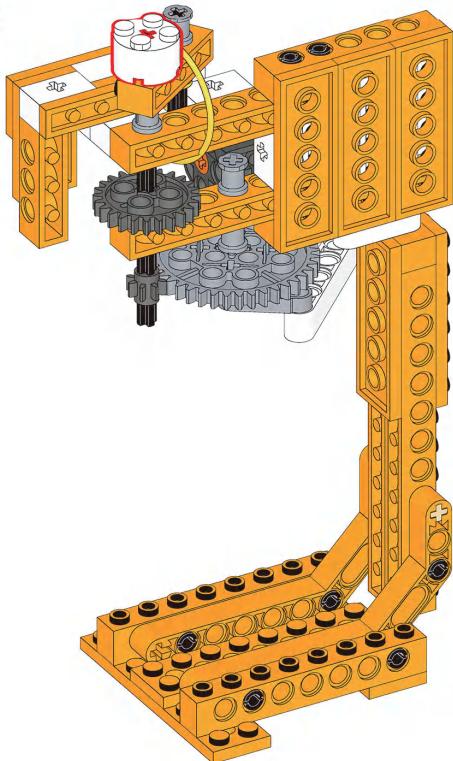
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24



25

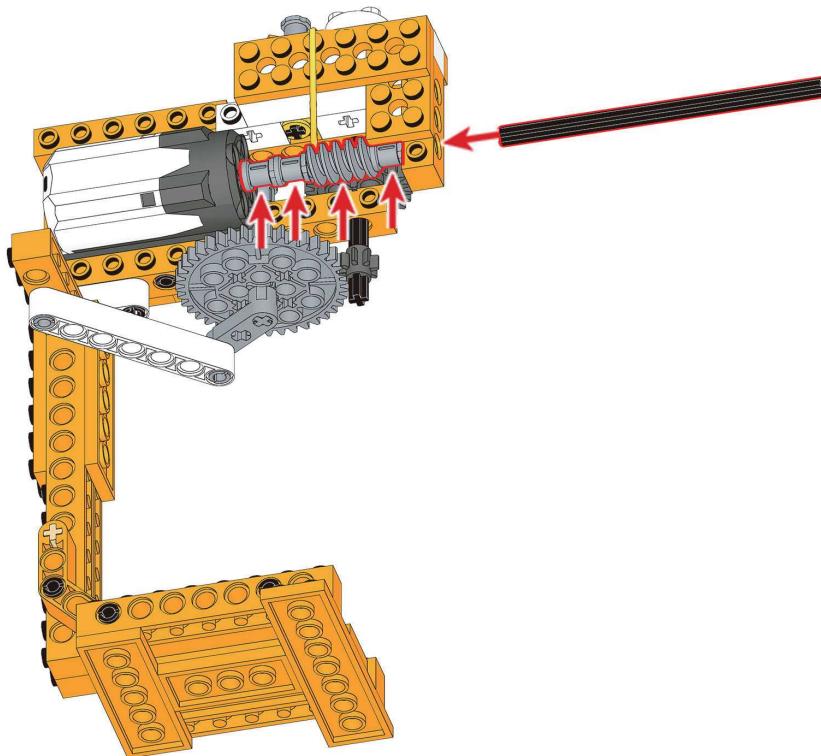


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10M

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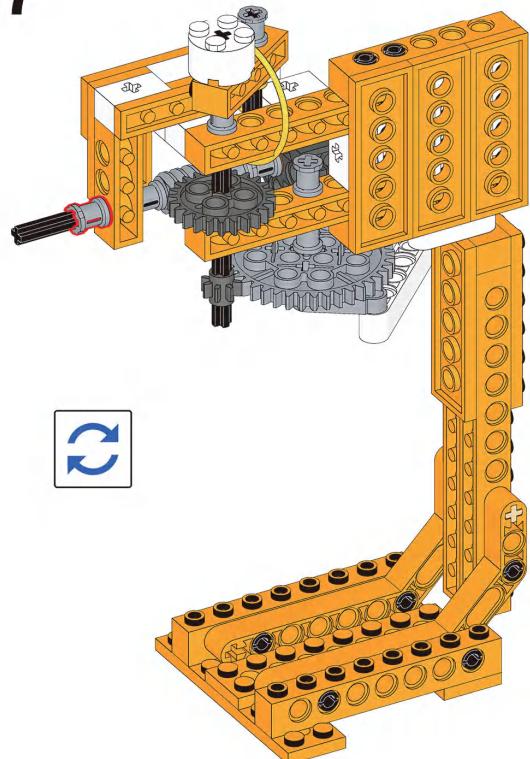
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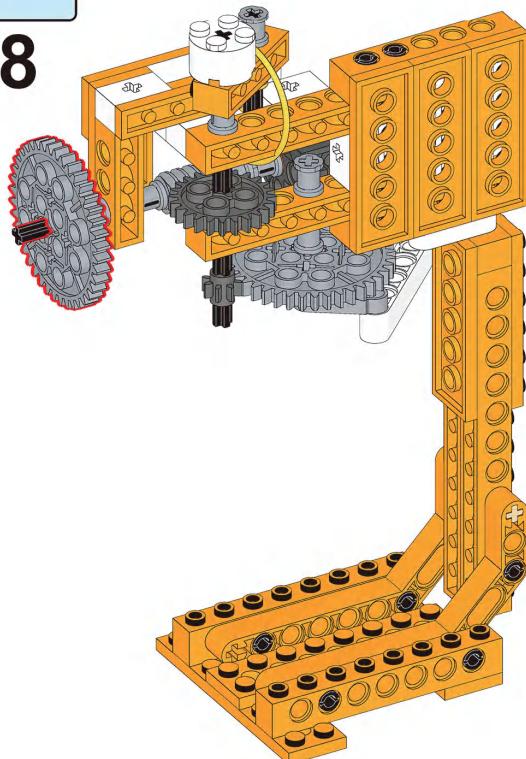
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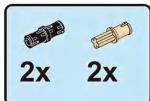


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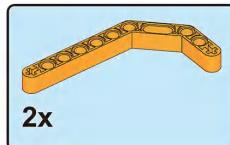
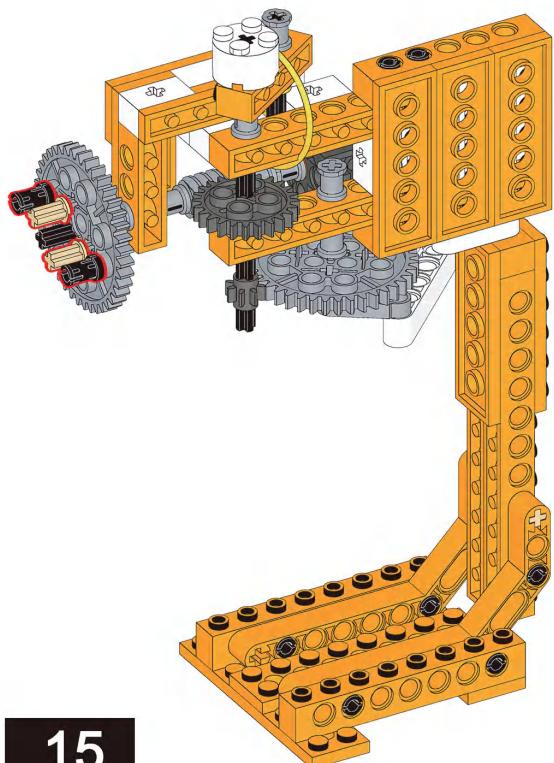
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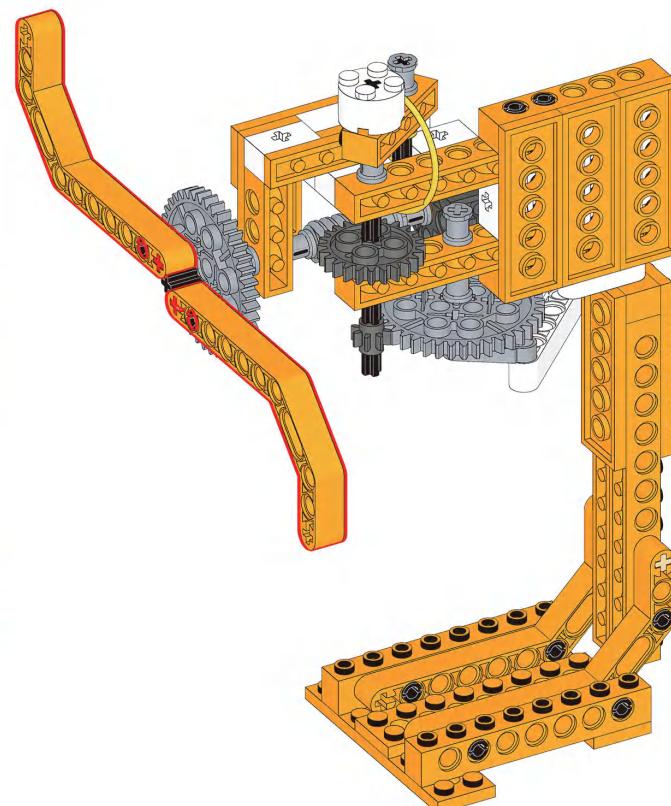
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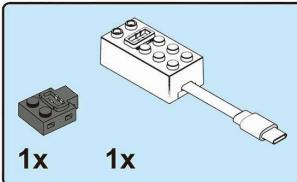
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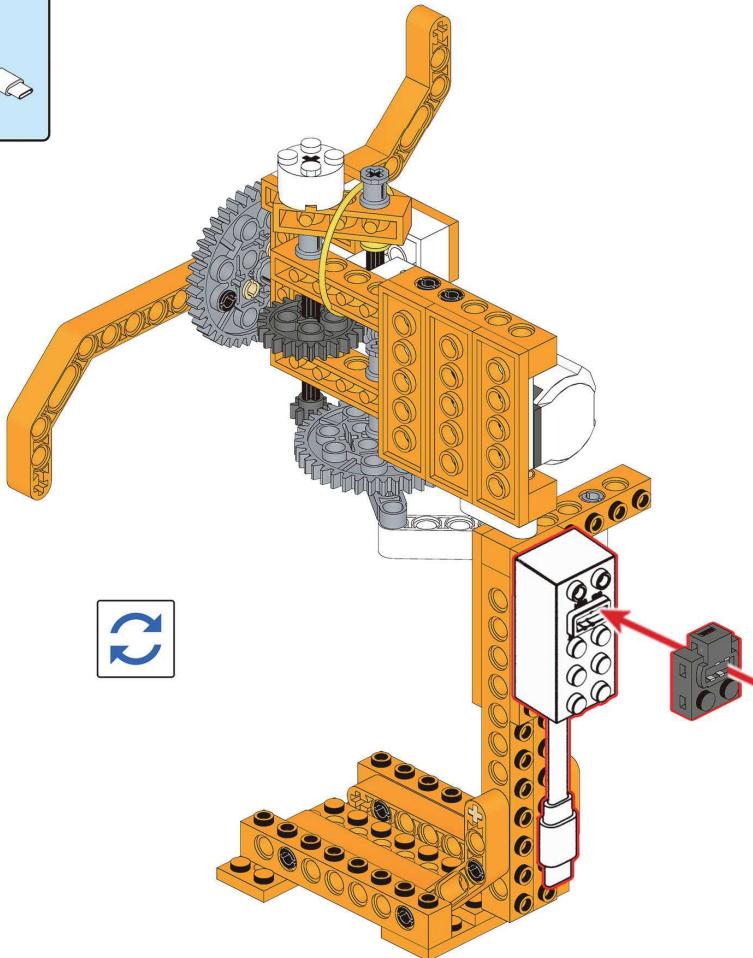
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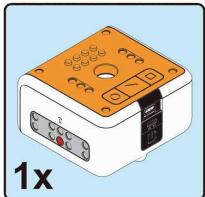
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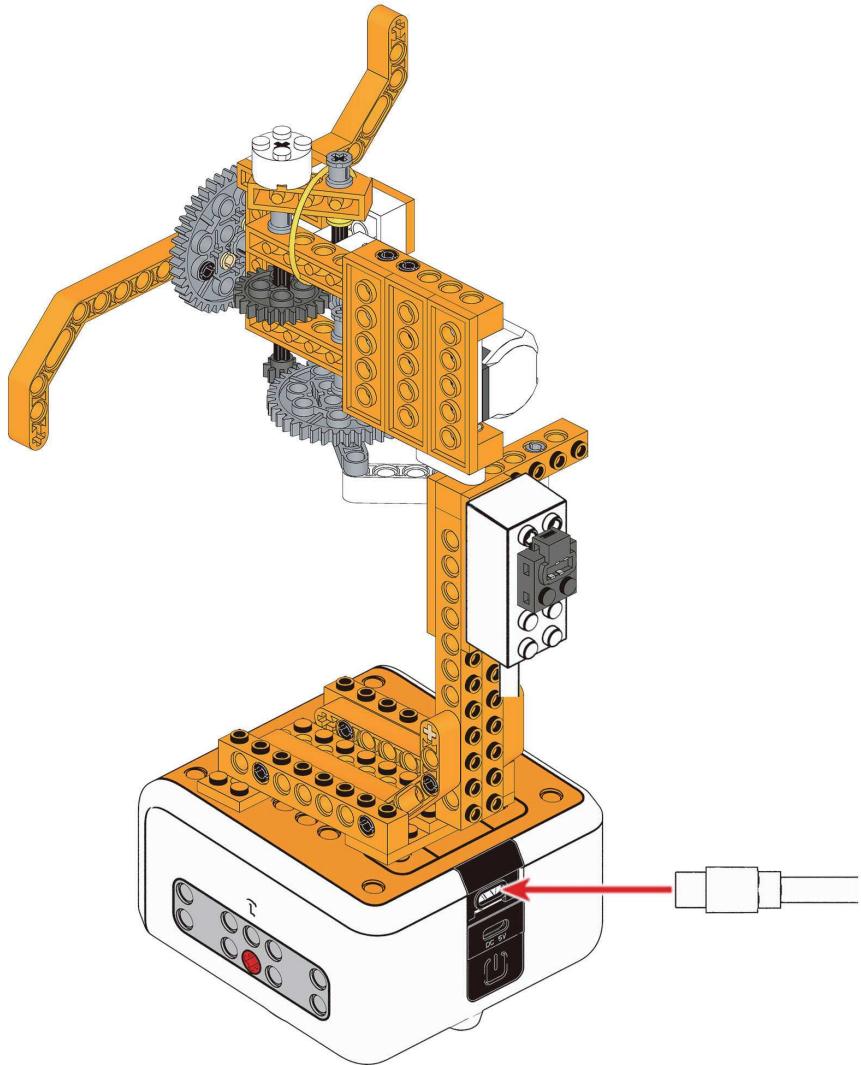
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16



32



17

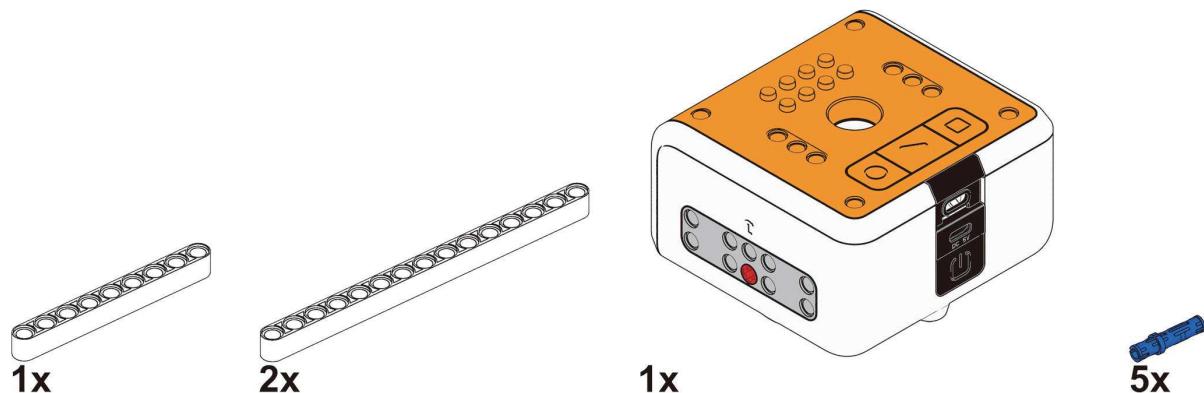
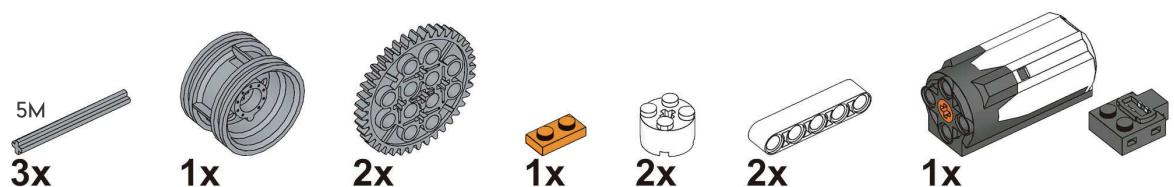
Demo Program

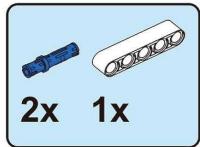


Case 6 Gyroscope Transmitter

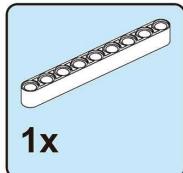
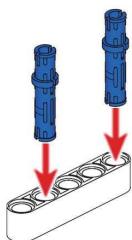


Parts List

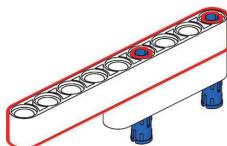




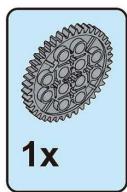
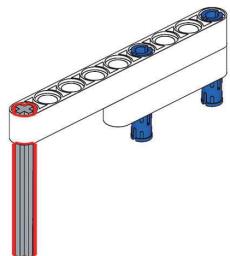
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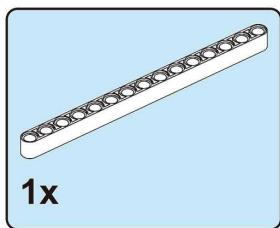
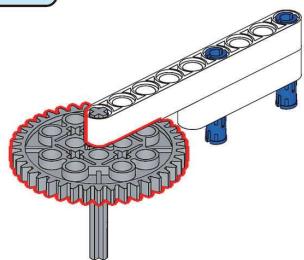
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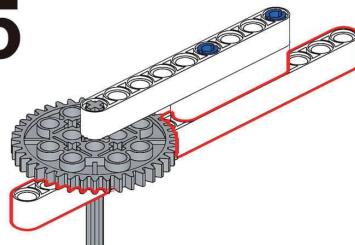
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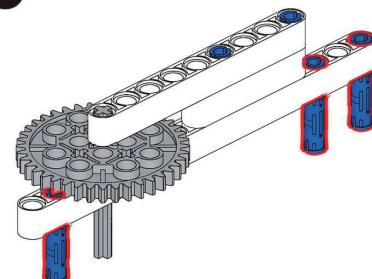
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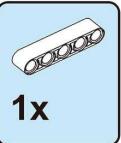
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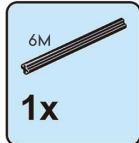
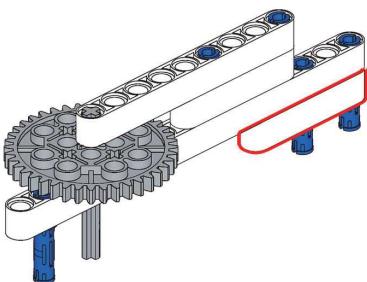
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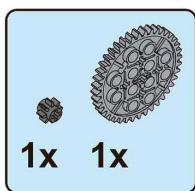
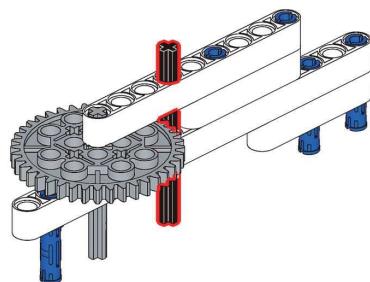
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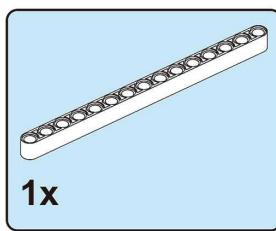
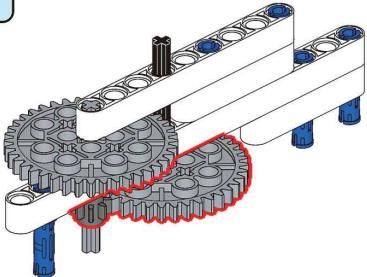
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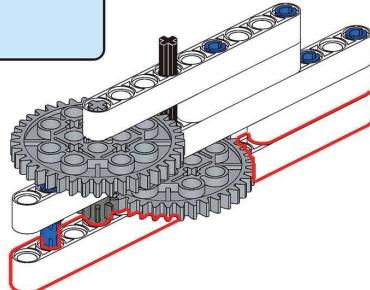
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9



10

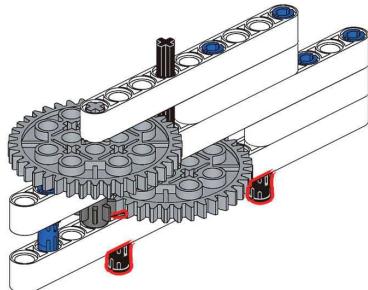


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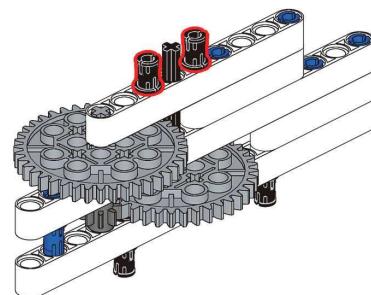
2x

11



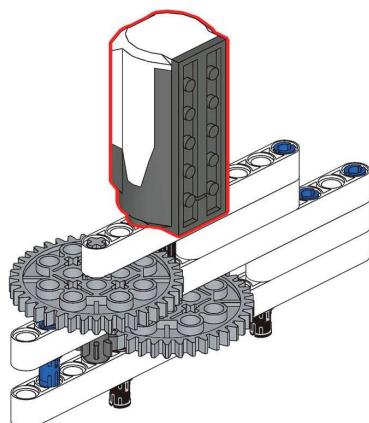
2x

12



1x

13

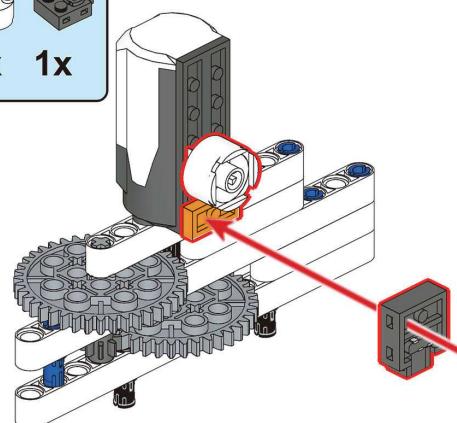


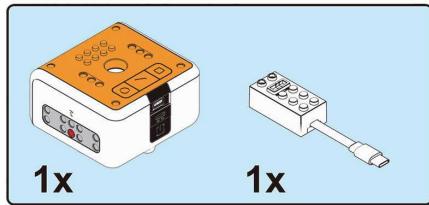
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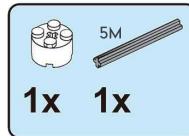
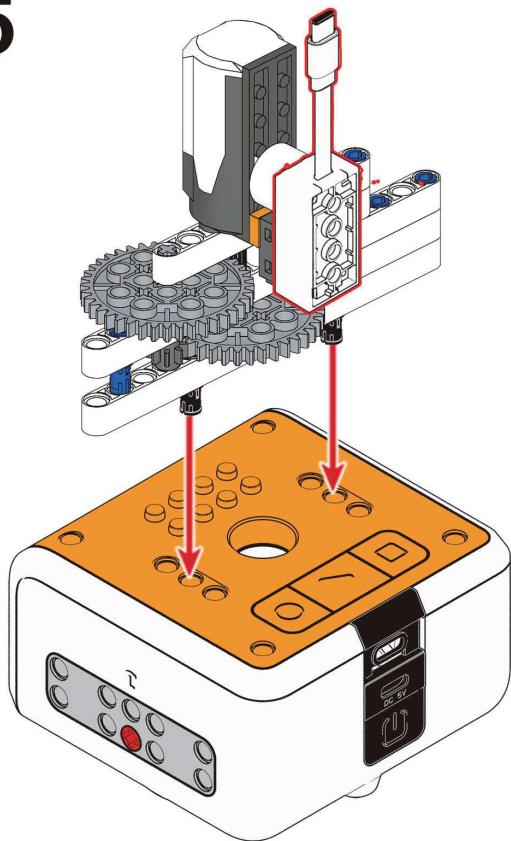
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14

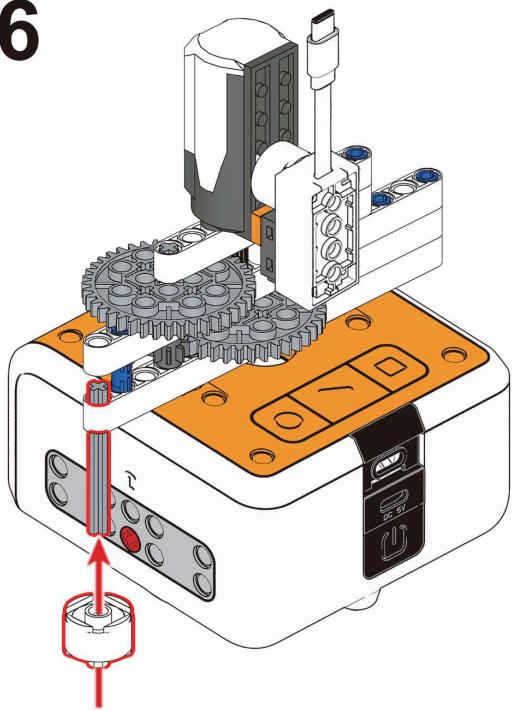


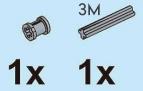


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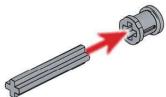


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17



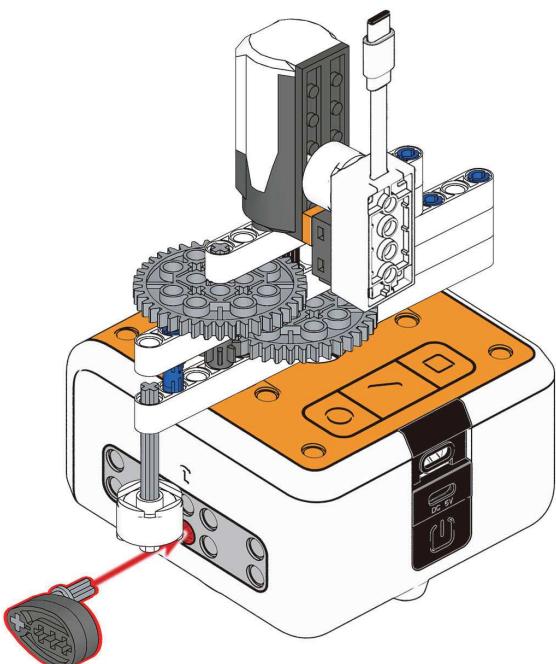
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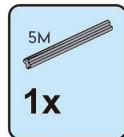
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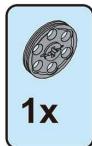
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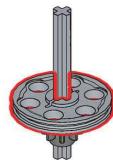
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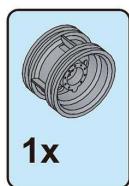
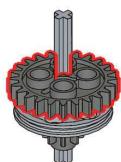
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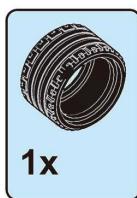
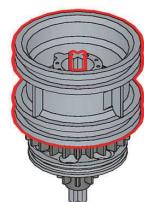
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24



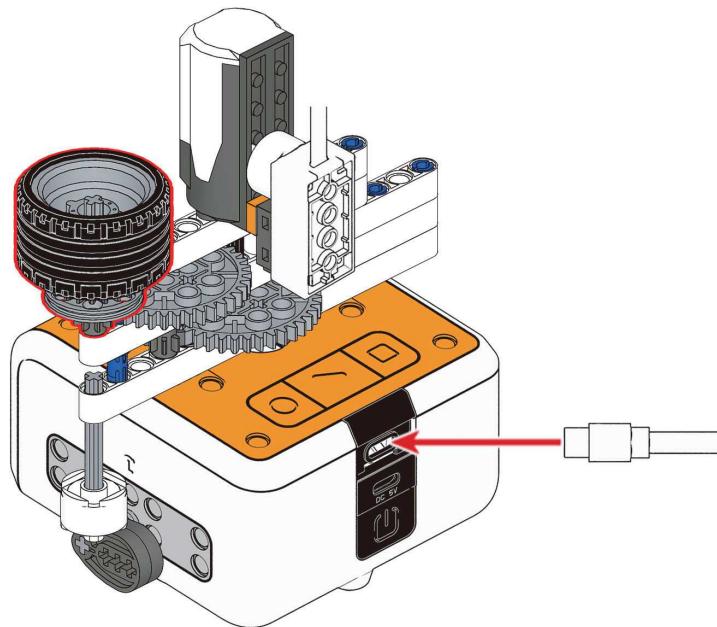
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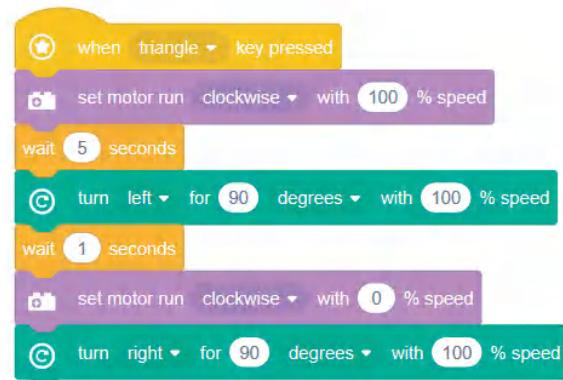


27



7

Demo Program



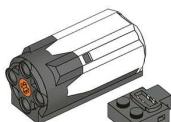
Case 7 Playground Swing



Parts List



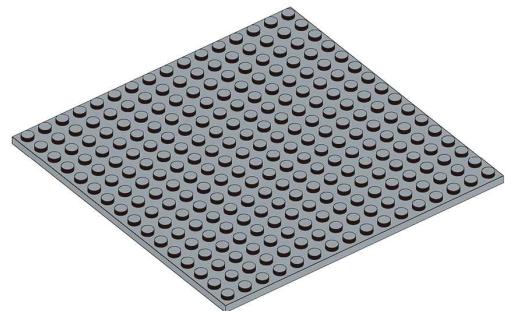
2x



1x



1x



1x



1x



1x



1x



4x



1x



2x



6x



2x



3x



2x



2x



1x



1x



1x



1x



1x



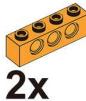
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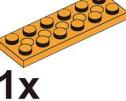
2x



1x



2x



1x



1x



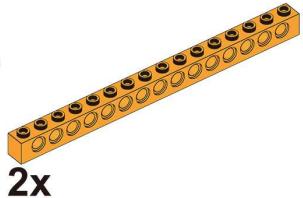
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10M

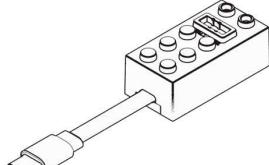


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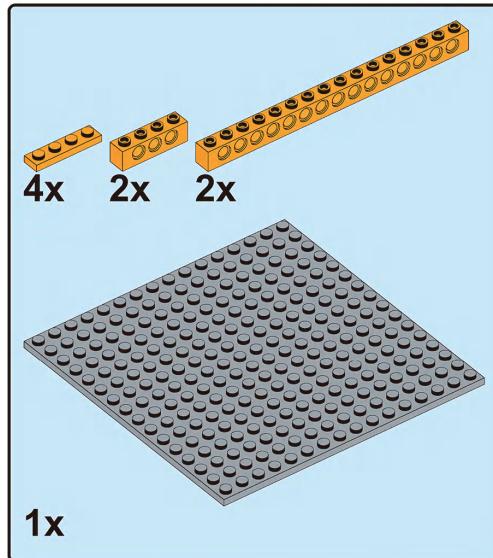
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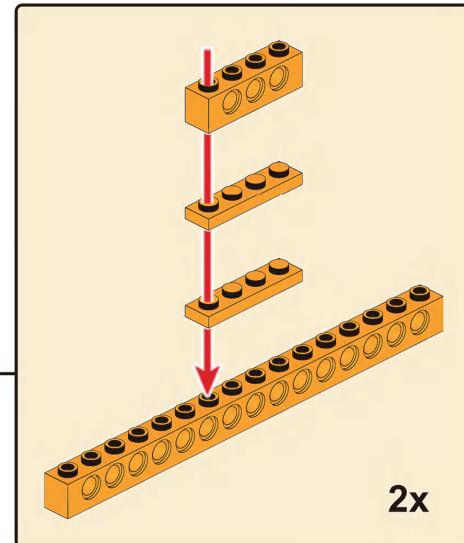
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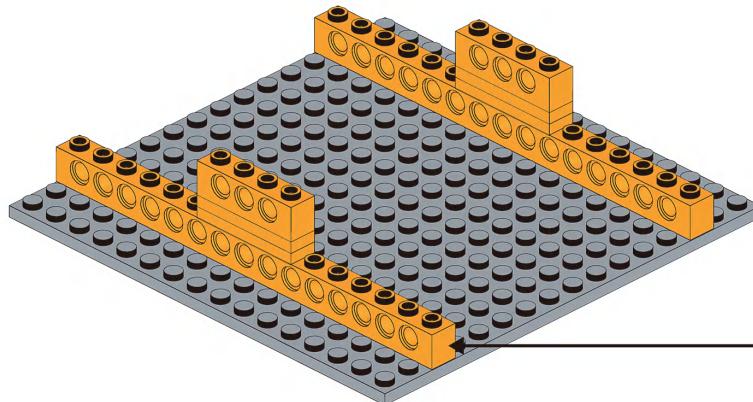
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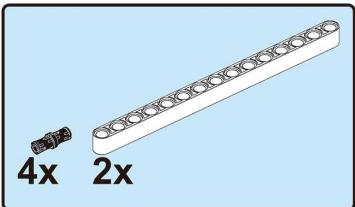


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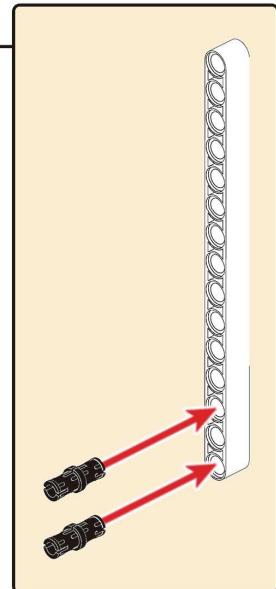
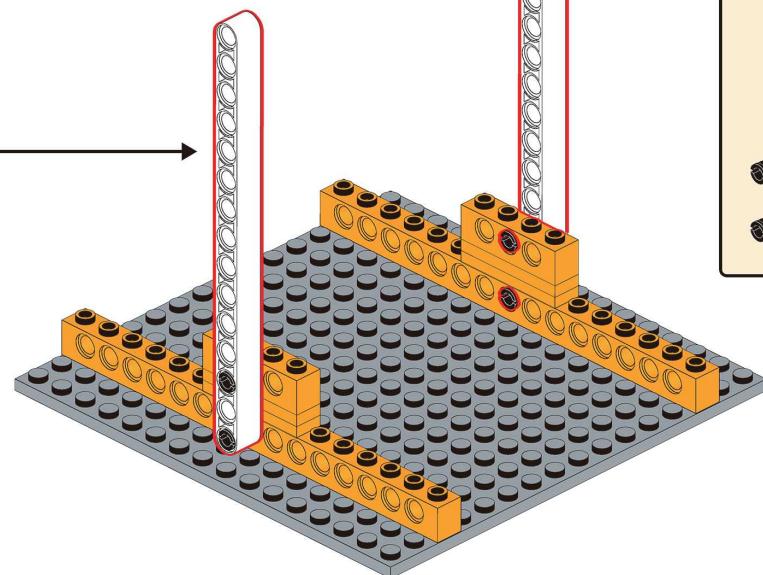
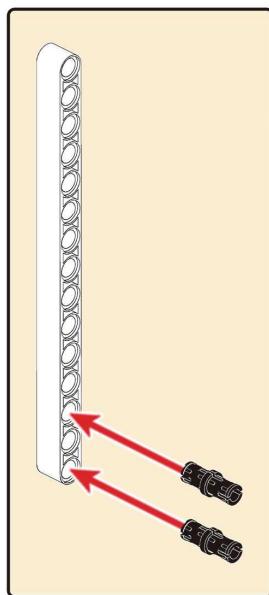


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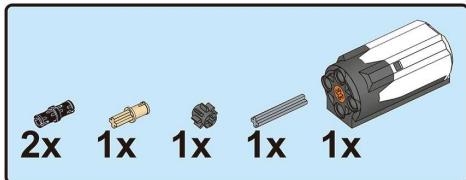




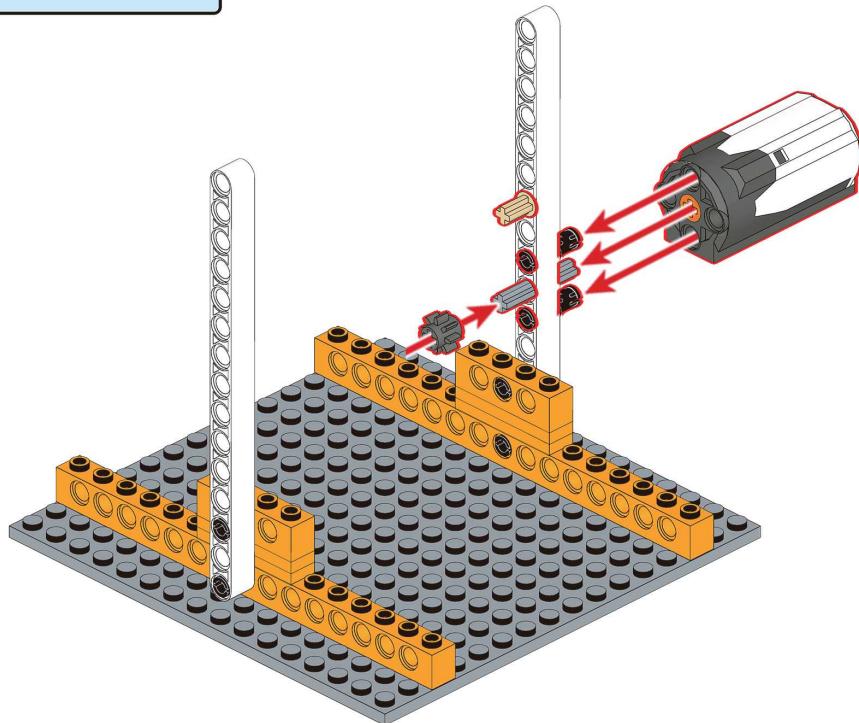
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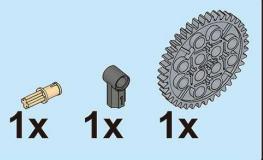
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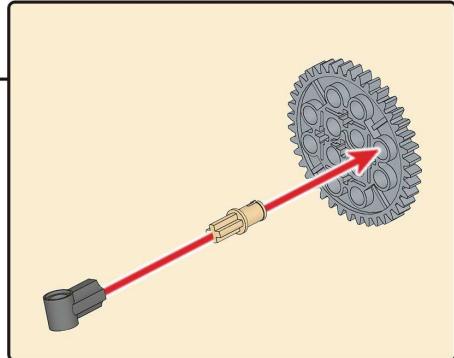
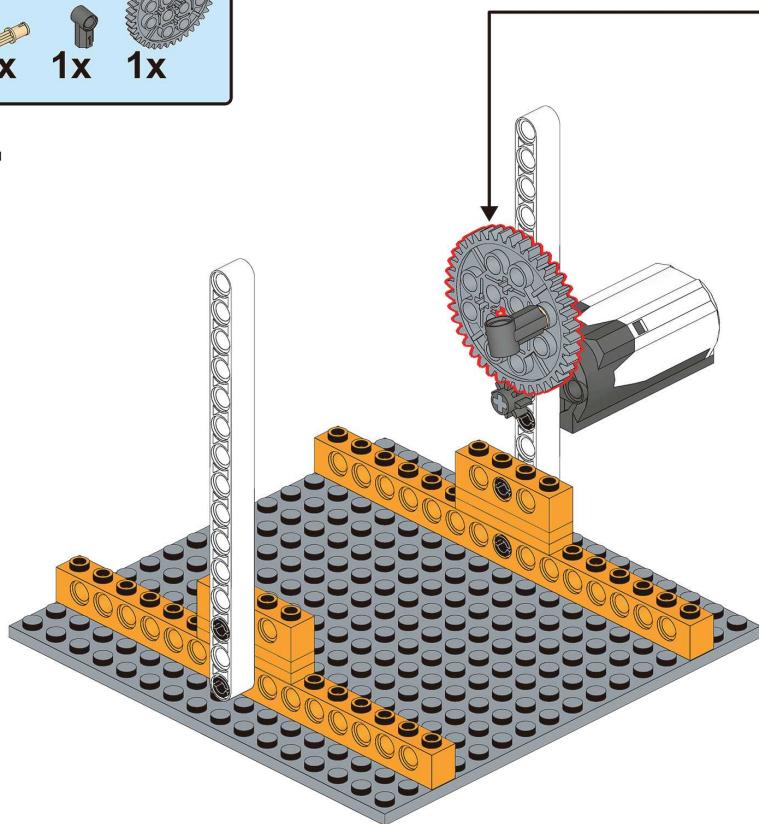
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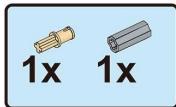
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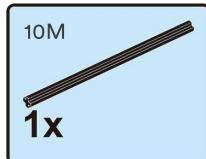
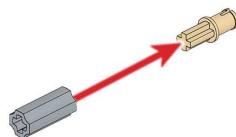
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4



5



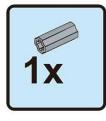
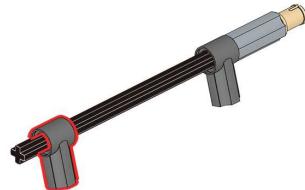
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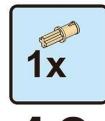
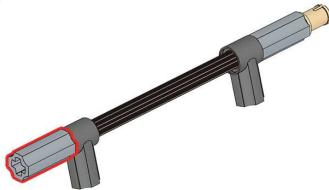
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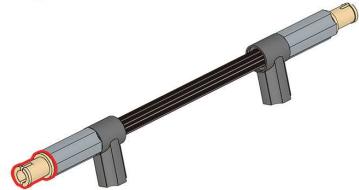
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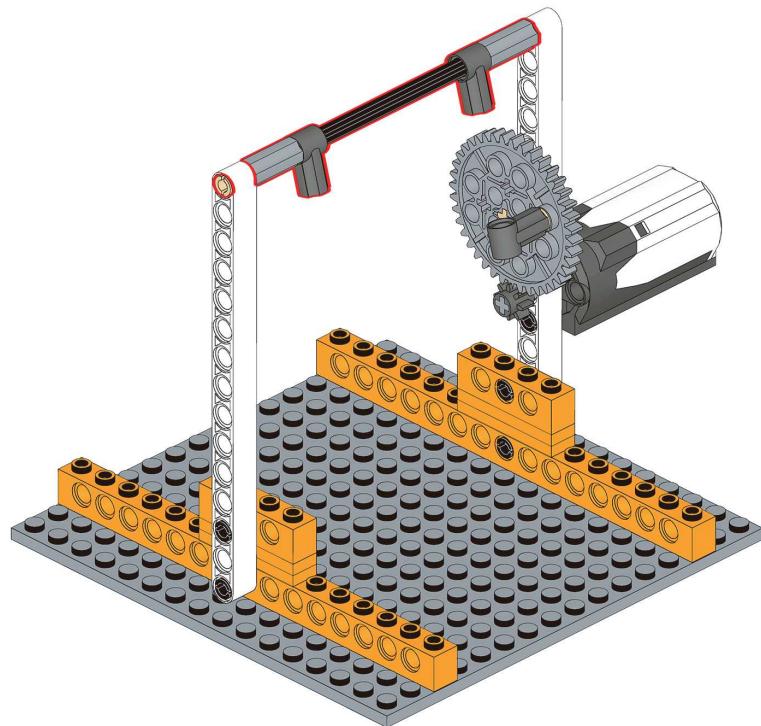


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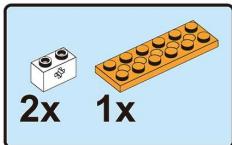


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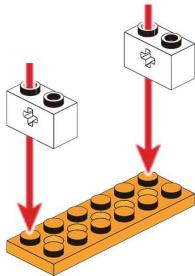
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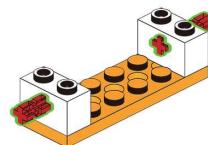
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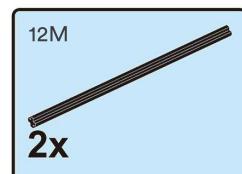
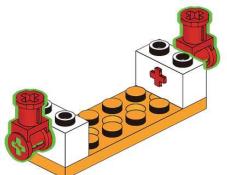
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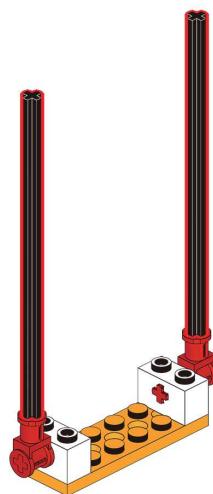
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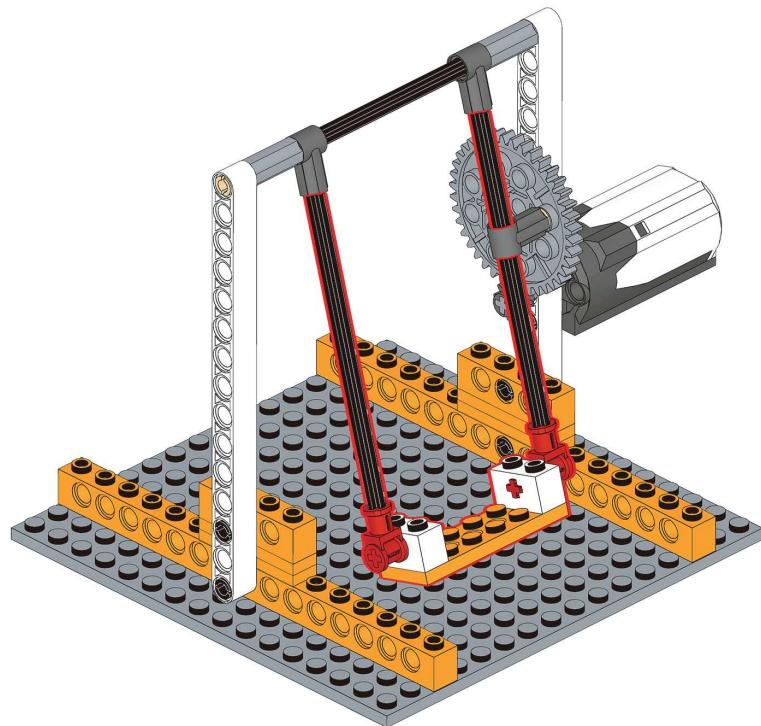


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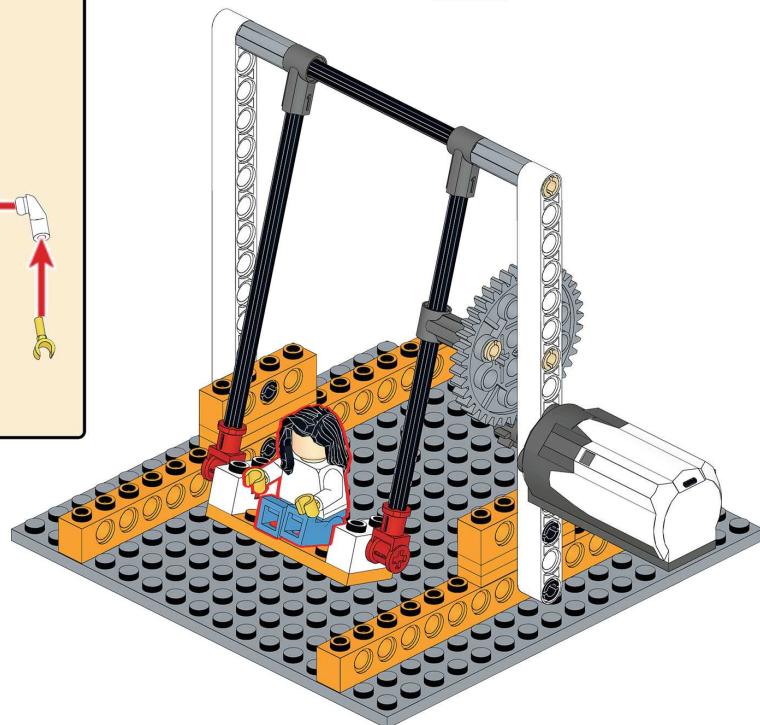
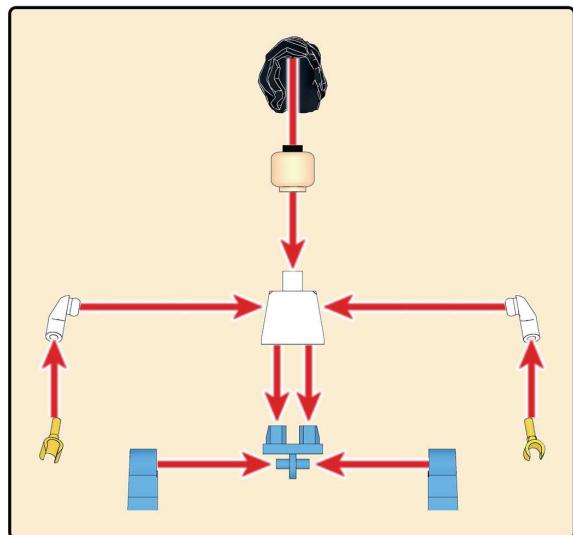
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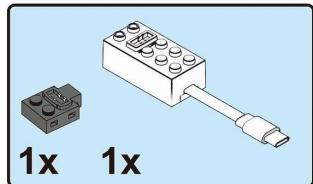
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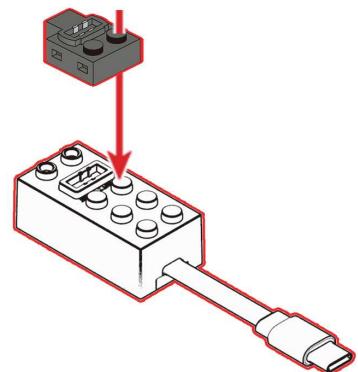
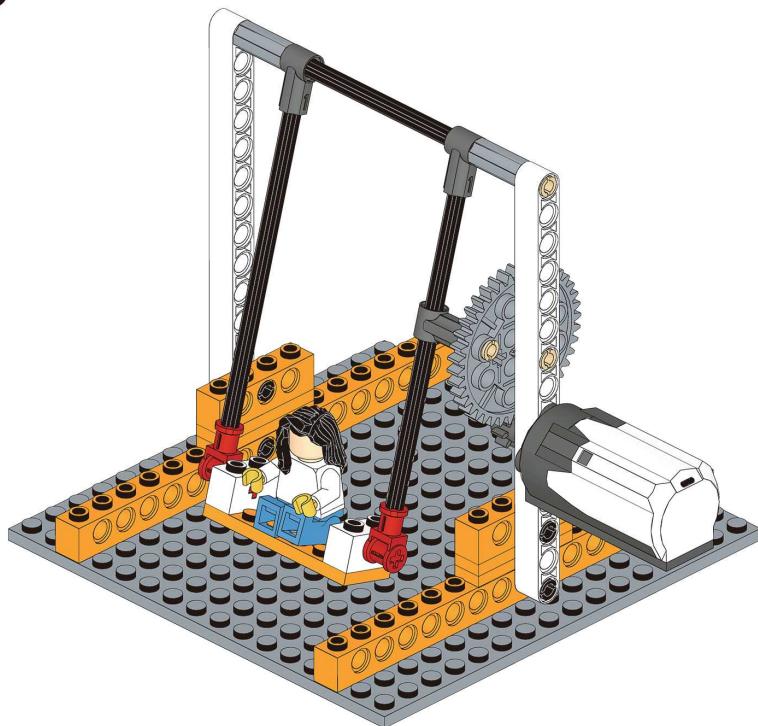
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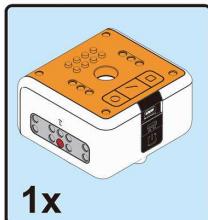
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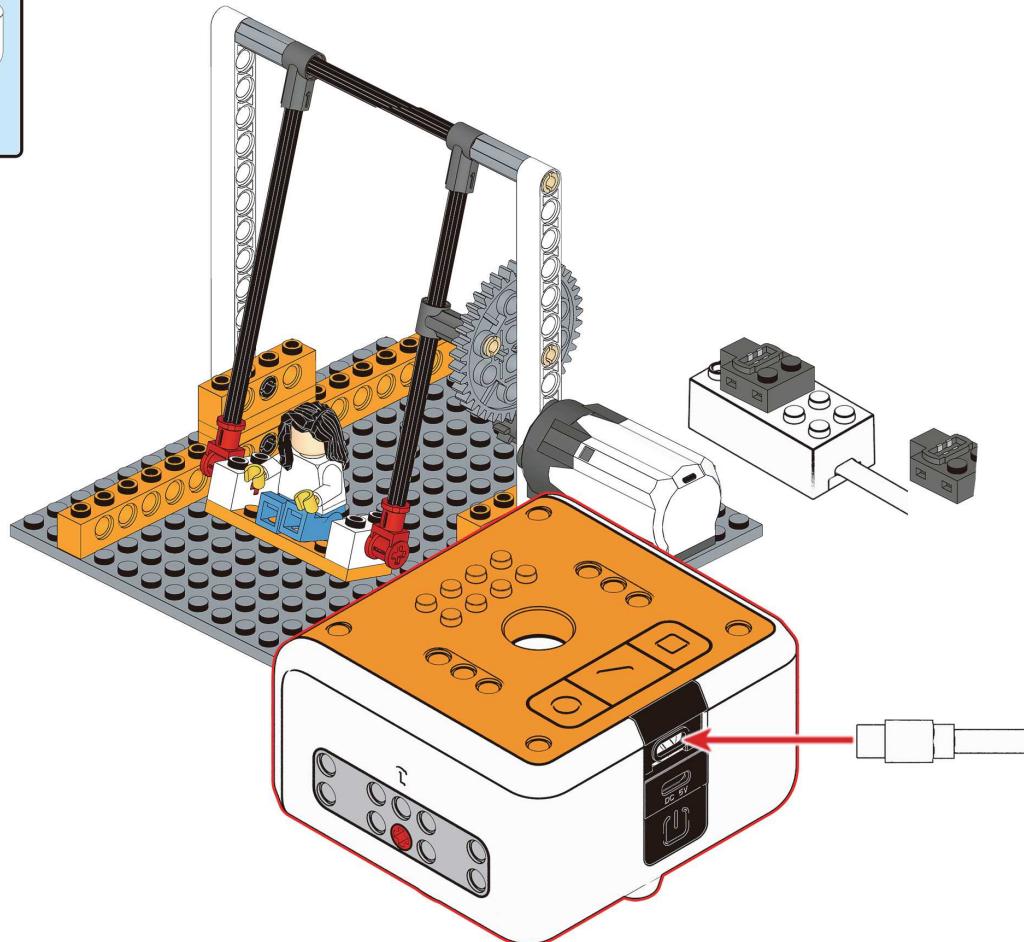


10



1x

19



11

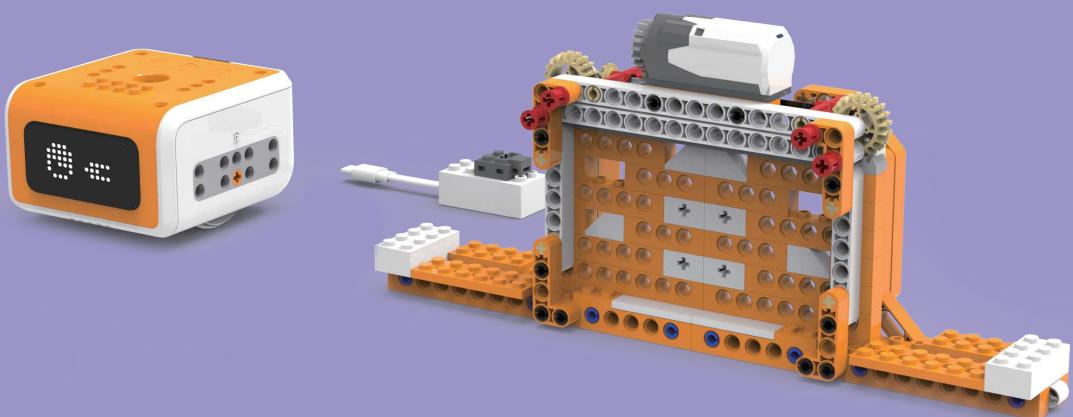
Demo Program

```
when robot start
forever
  wait until [triangle key pressed?]
    [sing "twinkle, twinkle, little star" until done]
    [sing "twinkle, twinkle, little star" until done]
```

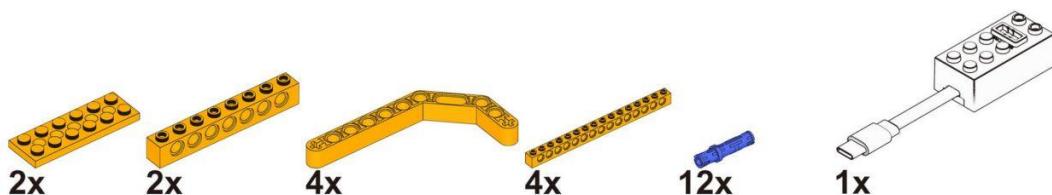
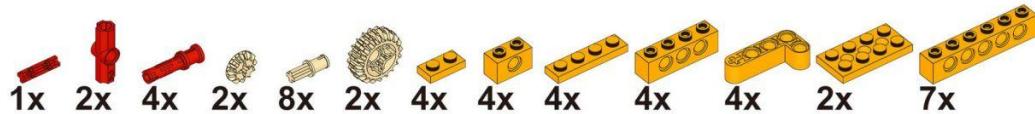
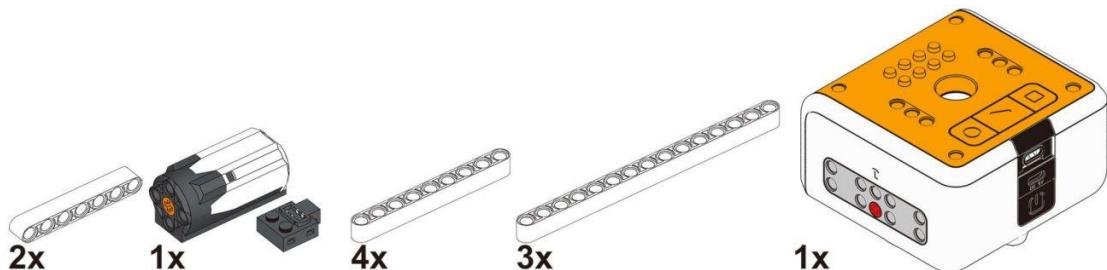
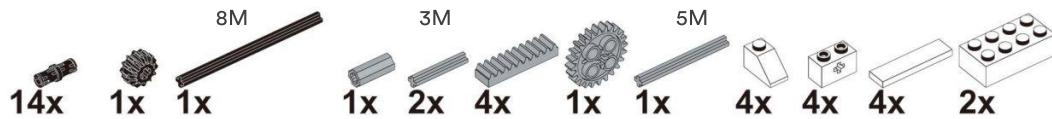
```
when triangle key pressed
  set motor run [clockwise] with [80 % speed]
  set [x] to [10]
  repeat (11)
    [write "x"]
    [set LEDs array [red green blue]]
    wait [0.5] seconds
    [turn all LEDs off]
    wait [1] seconds
    [change [x] by [-1]]
  end
  set motor run [clockwise] with [0 % speed]
  emotion [happy]
```

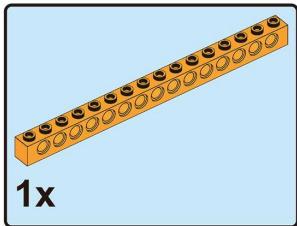
Case 8

Automatic Sensor Door

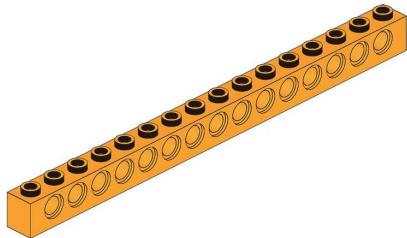


Parts List

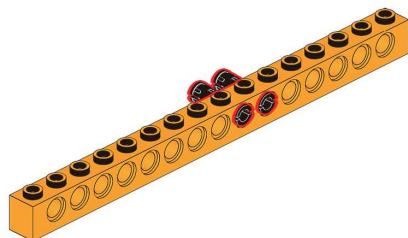




1

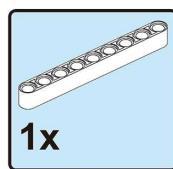
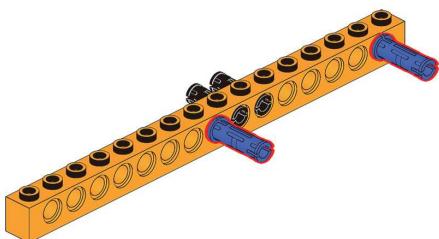


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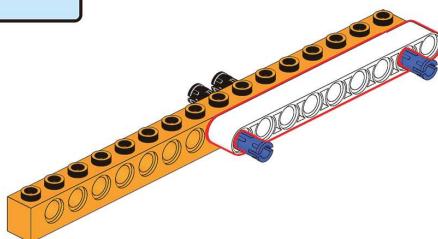
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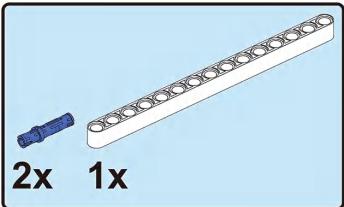


1x

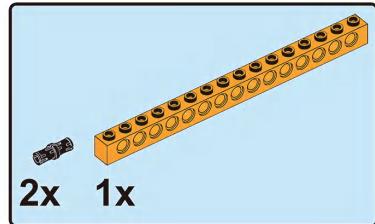
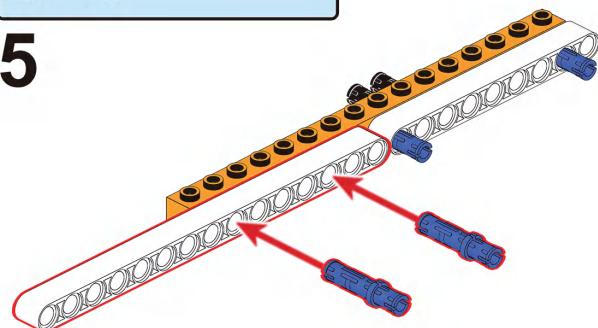
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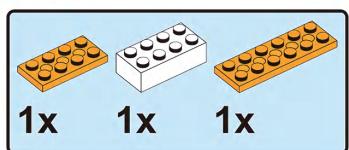
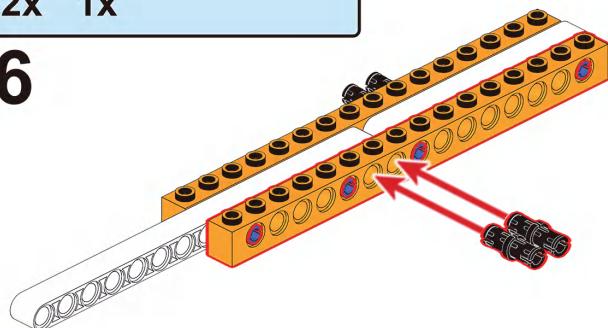
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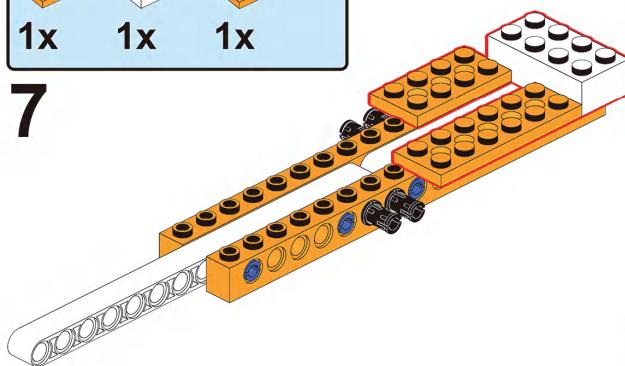
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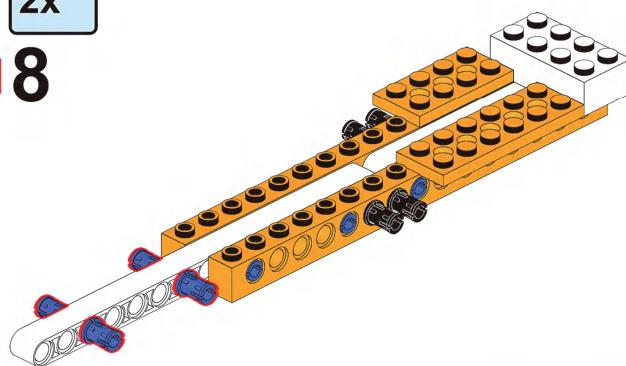
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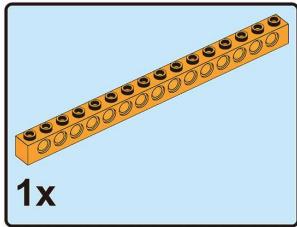
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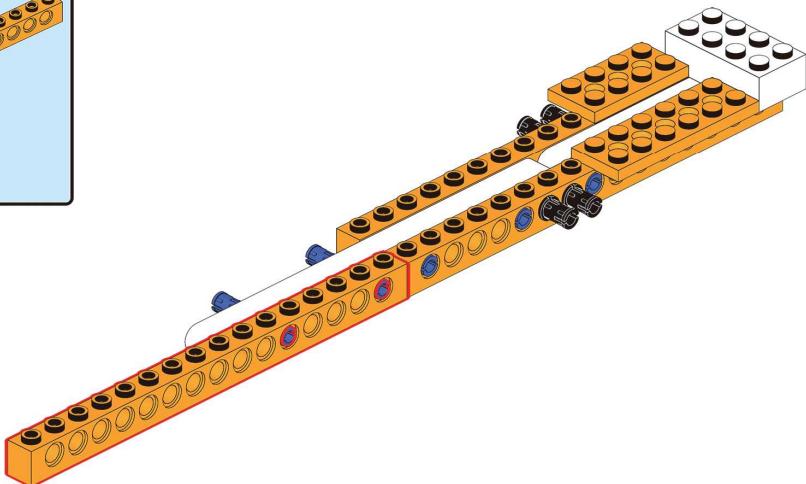
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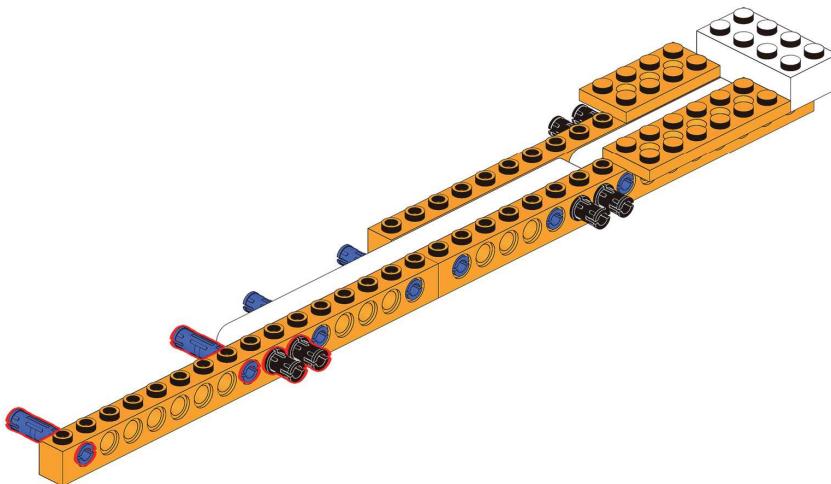
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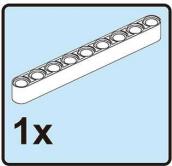
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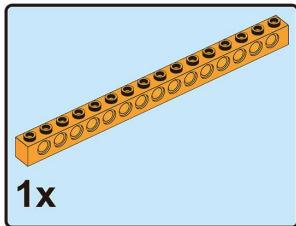
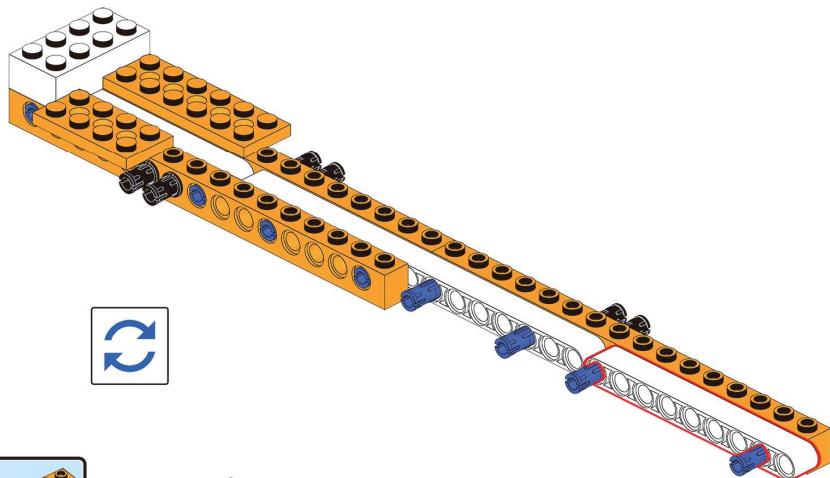
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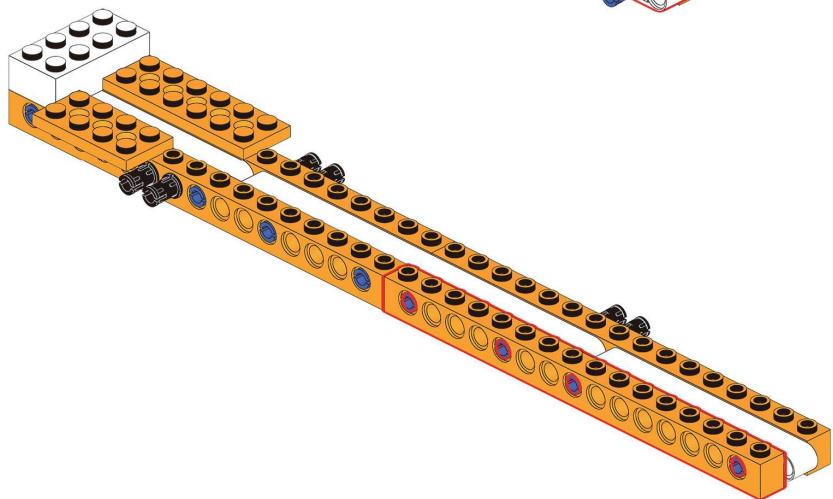
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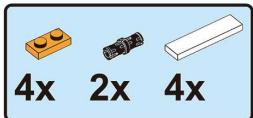


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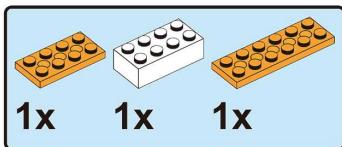
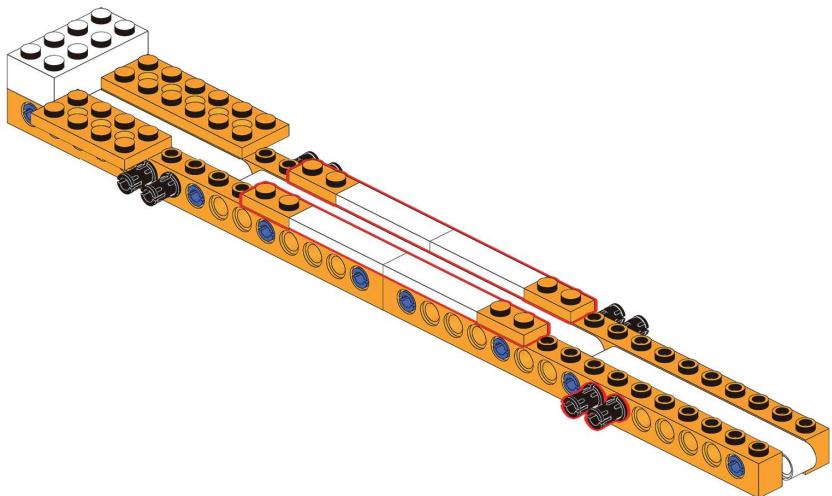


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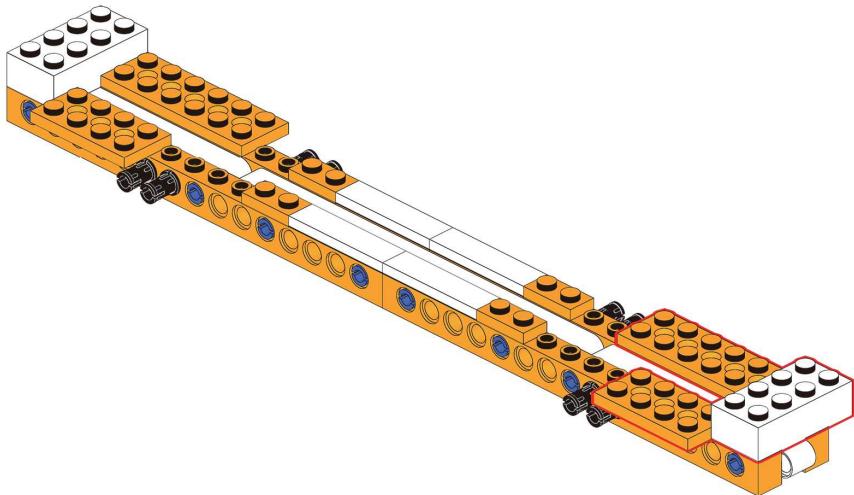




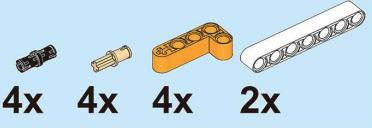
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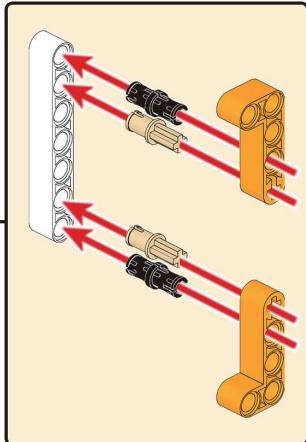
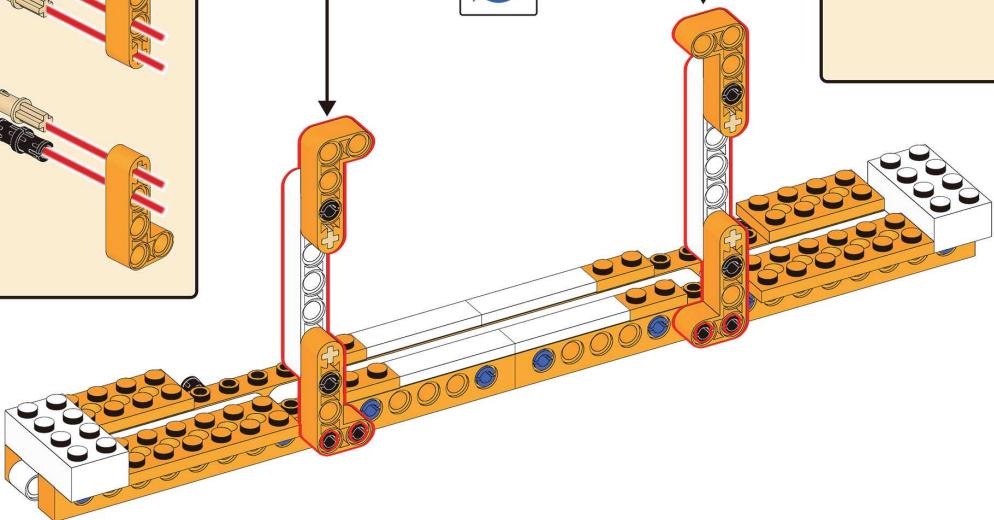
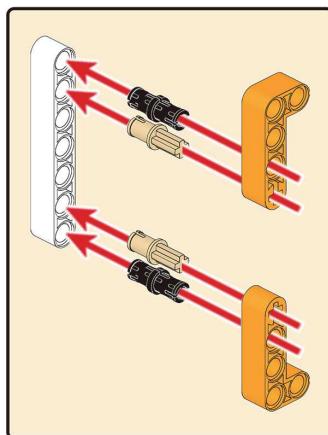
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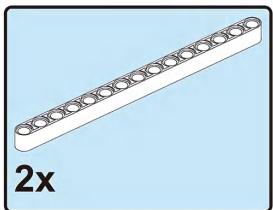
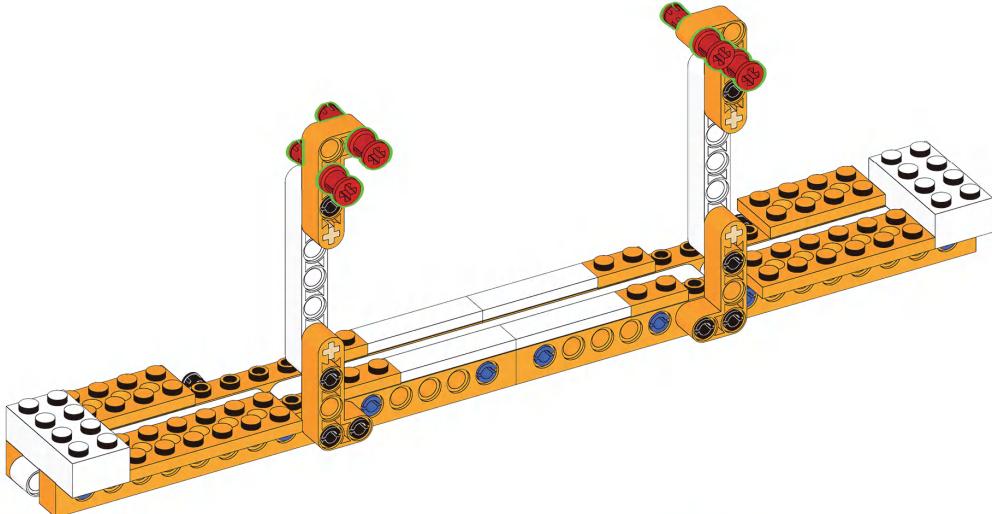


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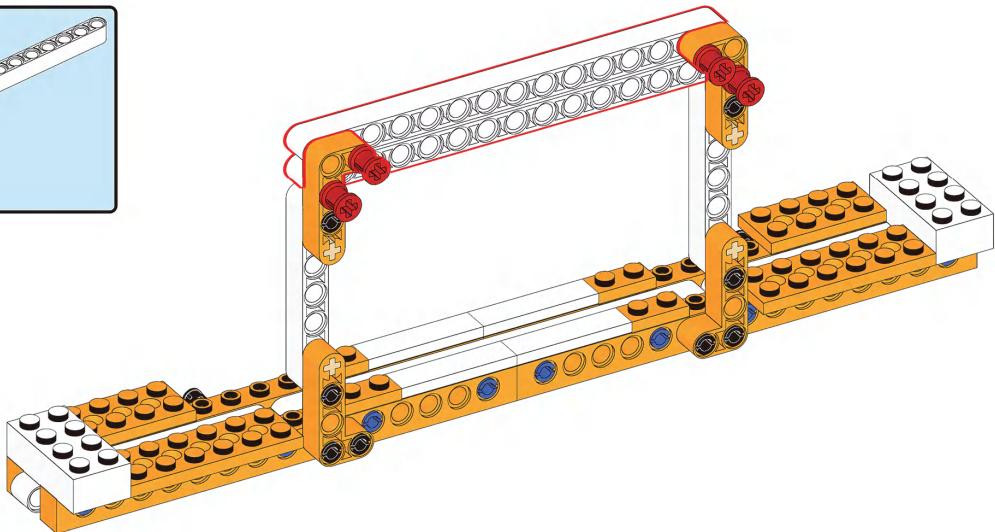




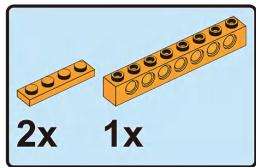
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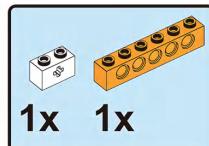
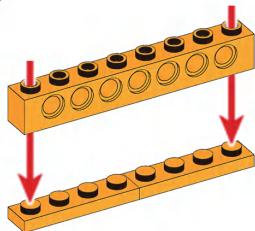
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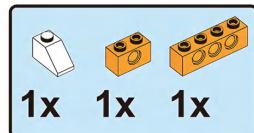
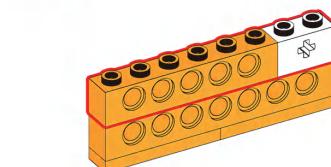
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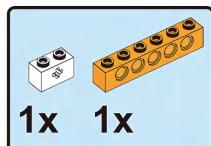
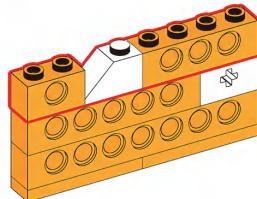
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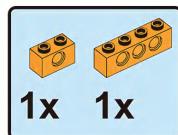
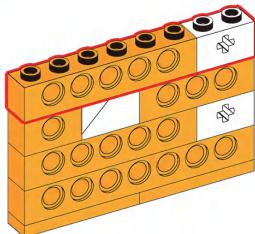
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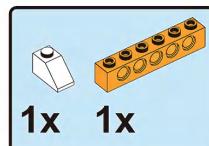
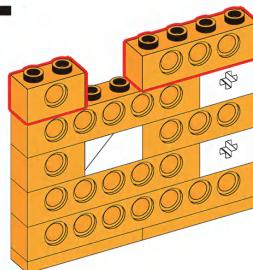
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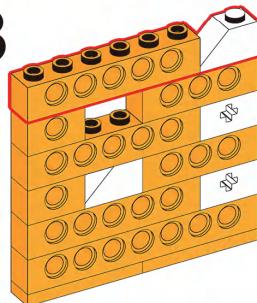
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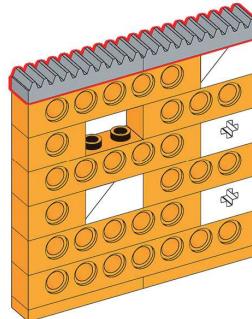


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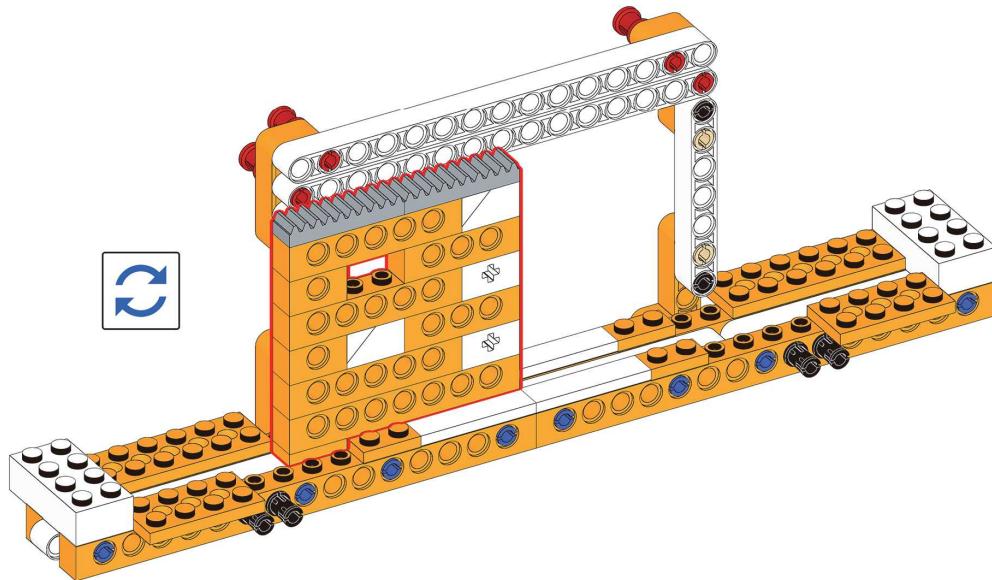




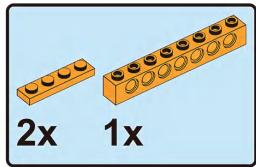
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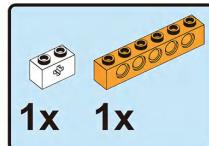
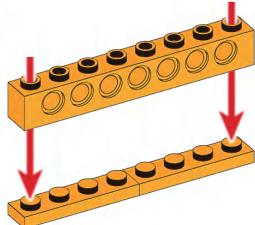
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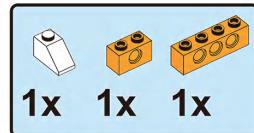
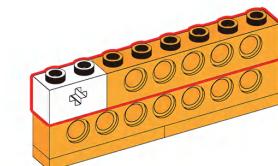
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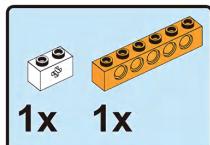
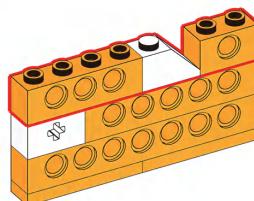
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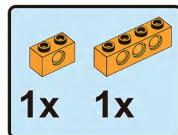
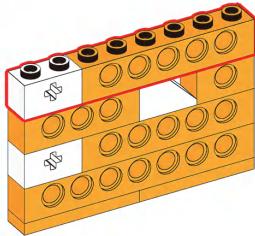
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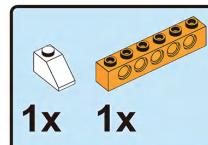
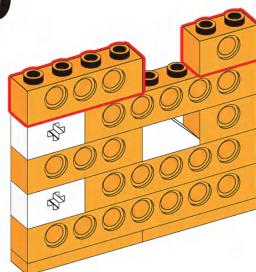
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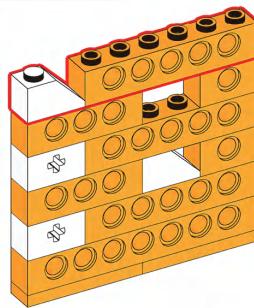
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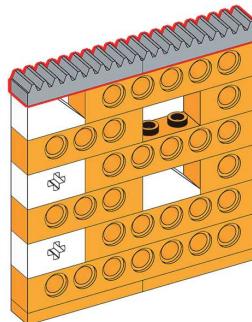
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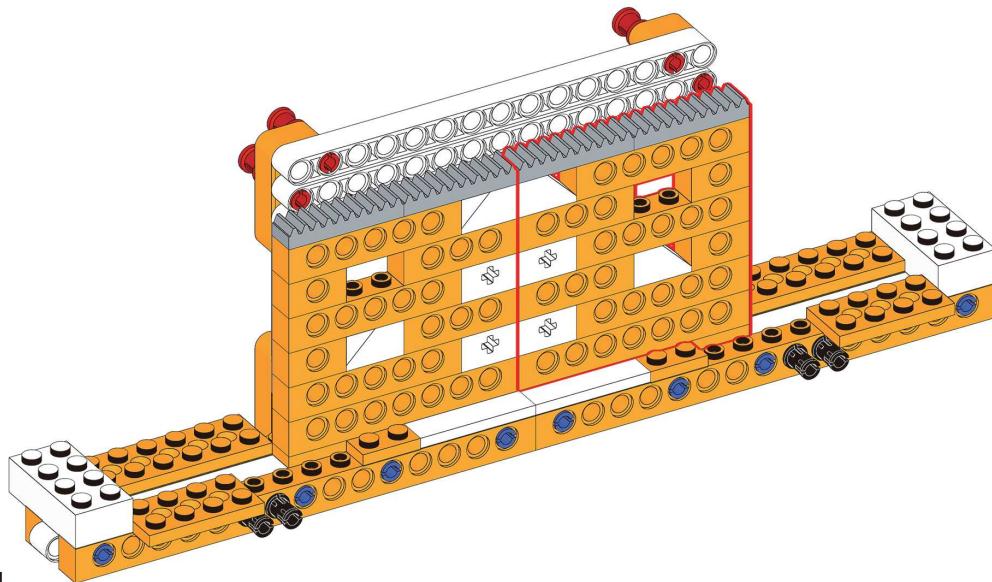


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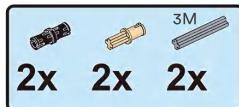
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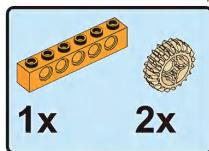
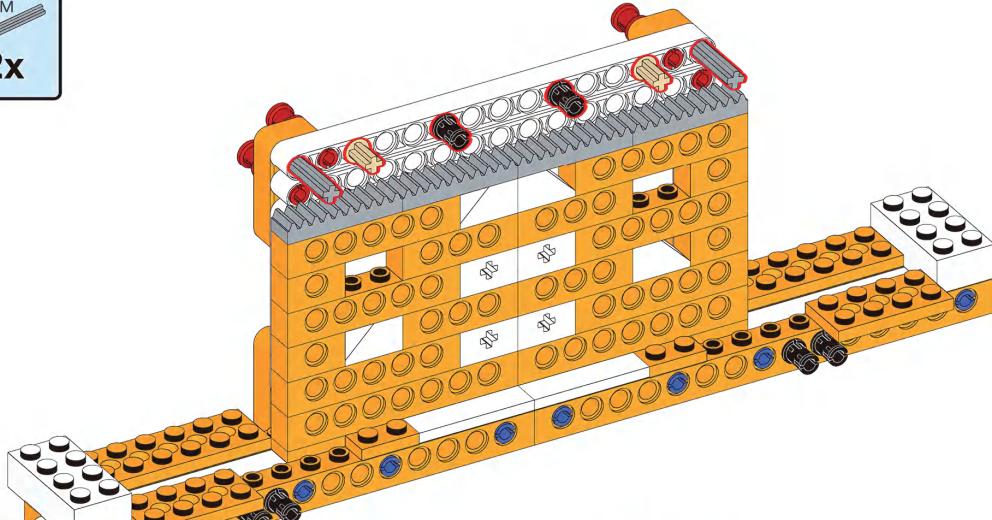
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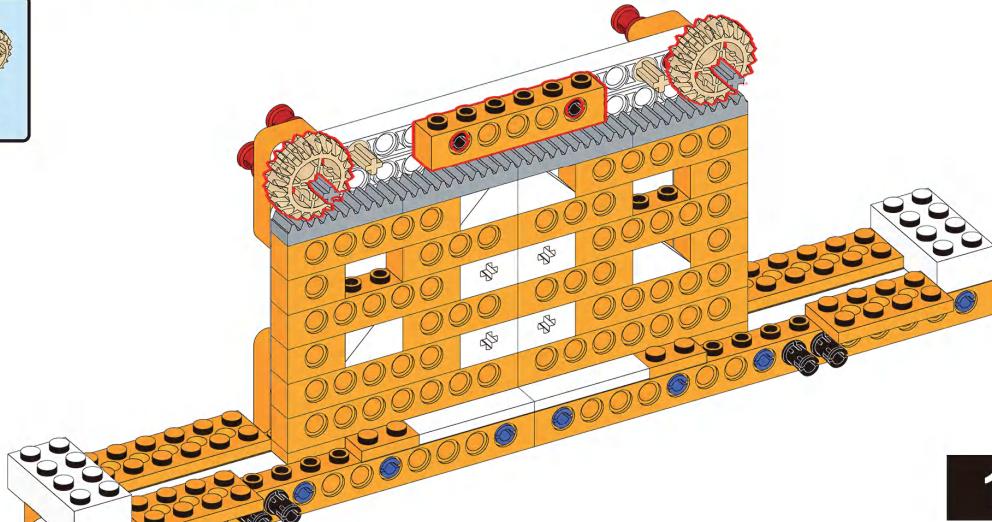
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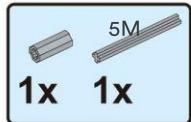


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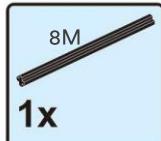


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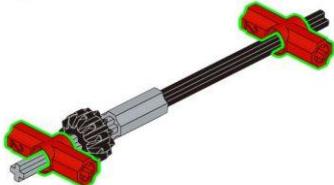
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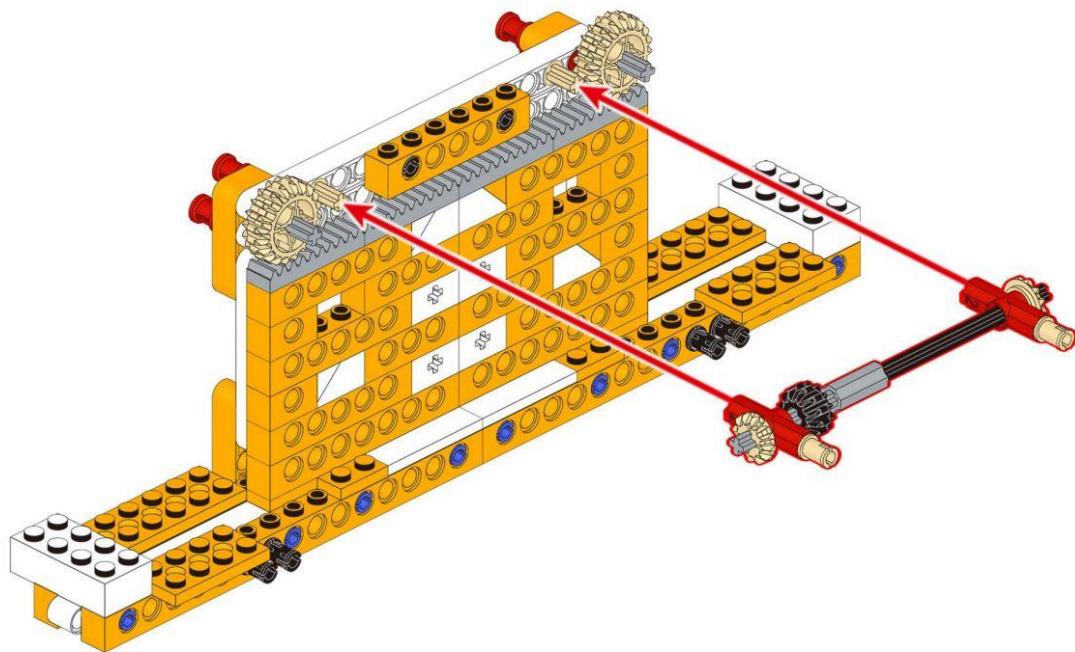


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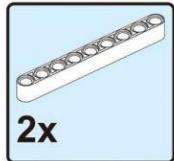


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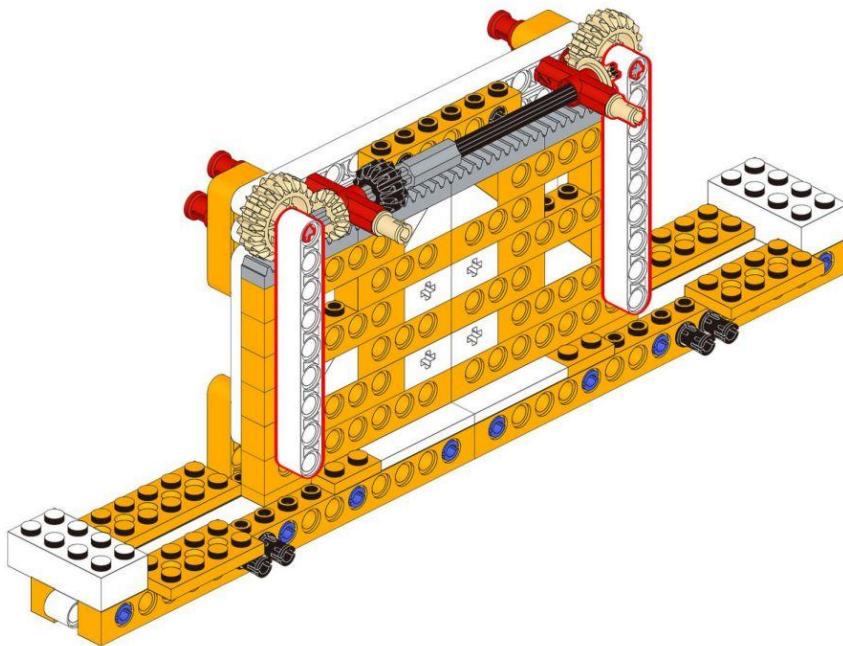
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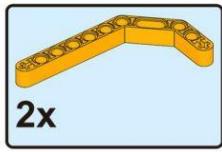
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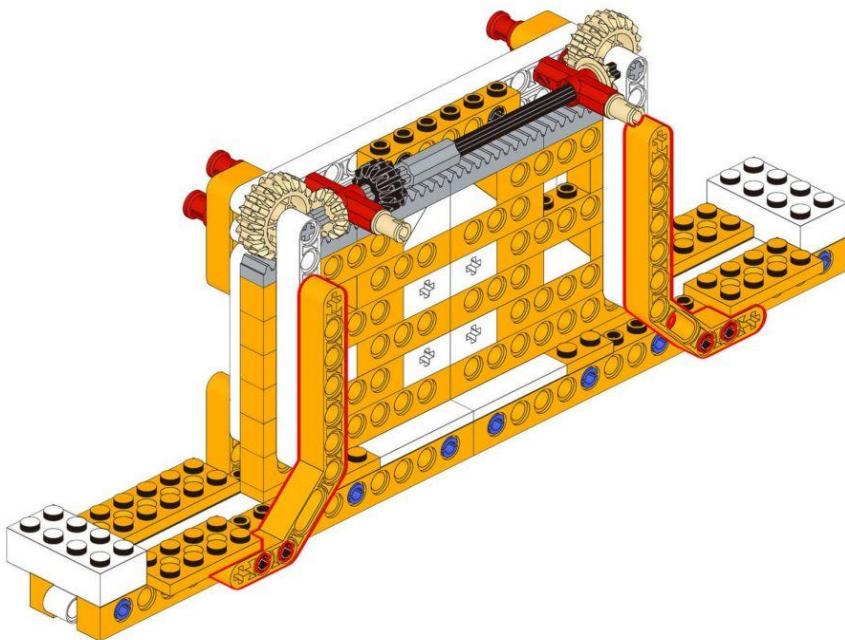


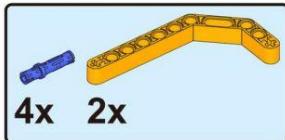
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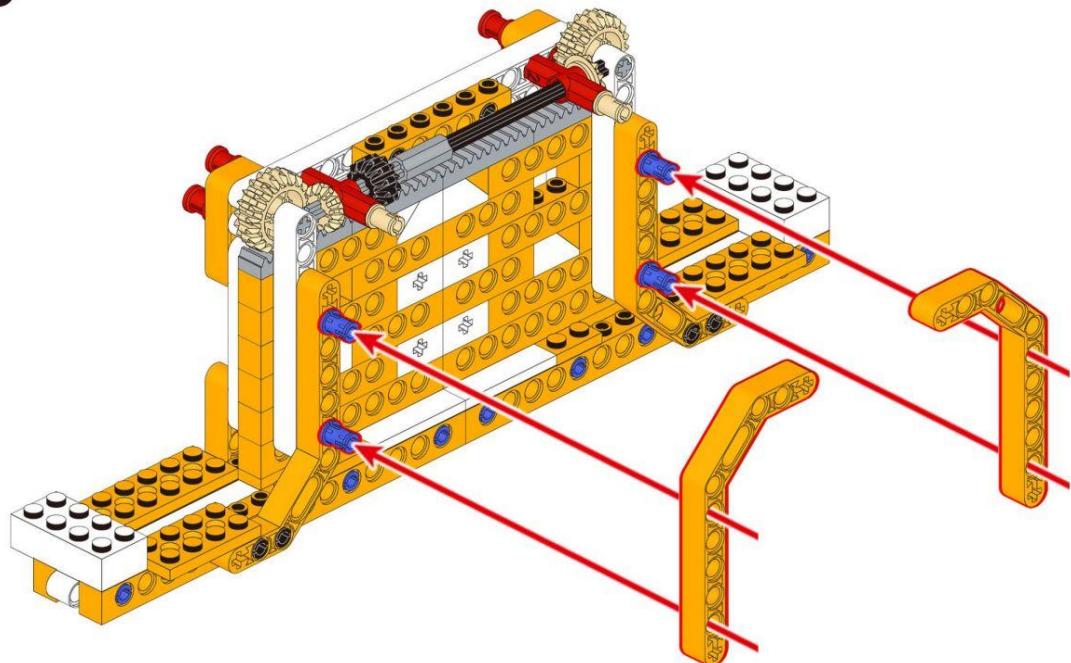
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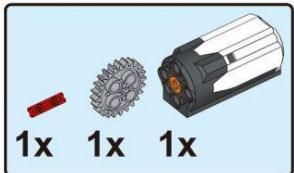




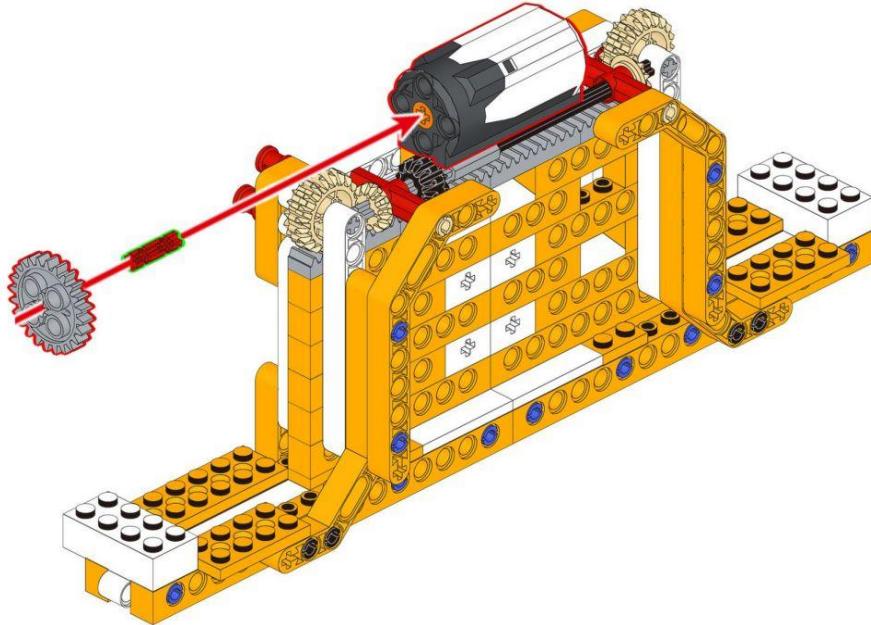
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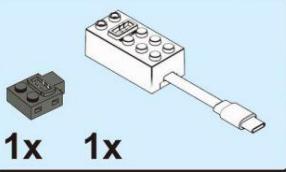


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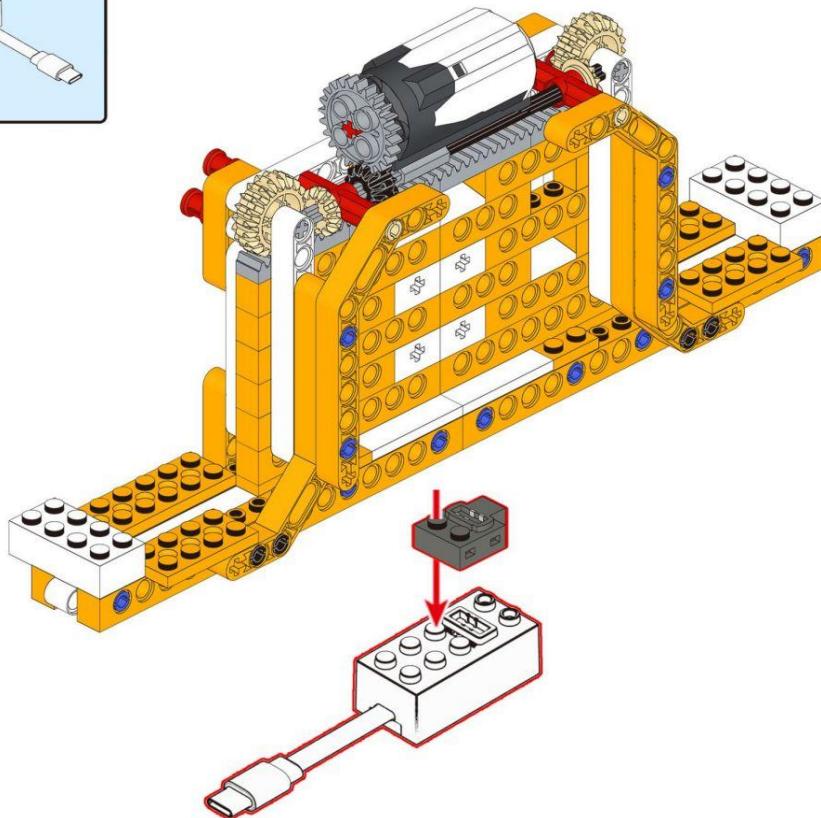


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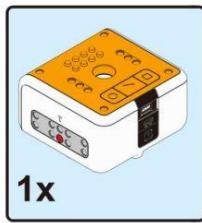




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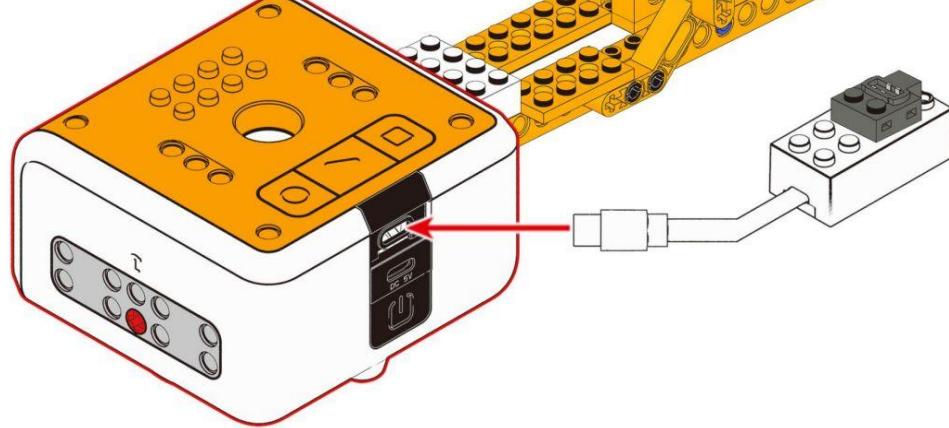


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48



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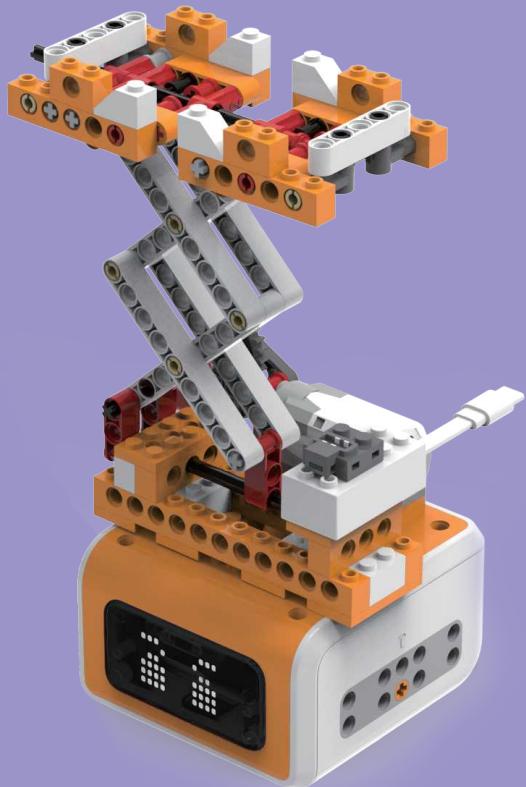
Demo Program

The Scratch script consists of two main sections:

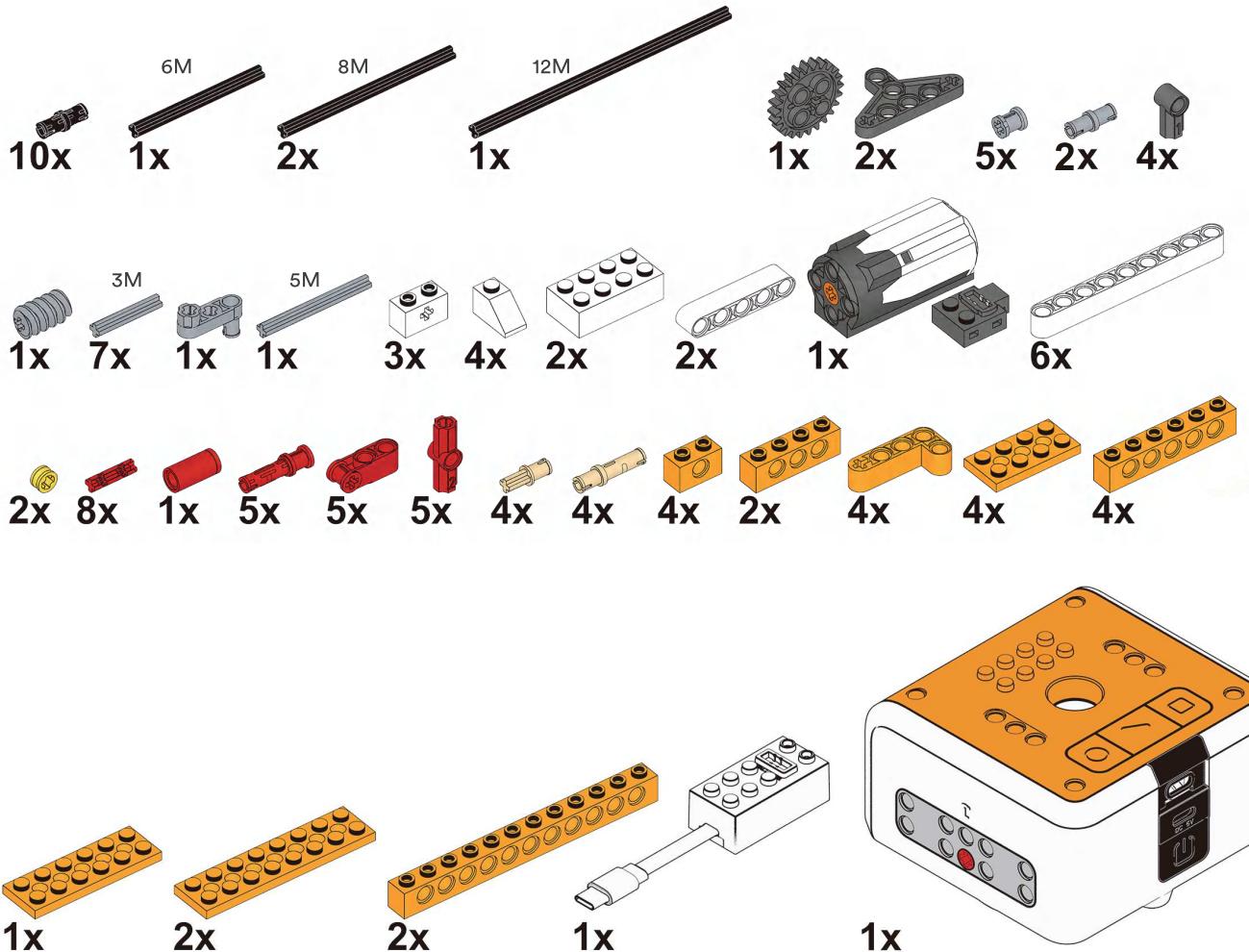
- when triangle key pressed:** This section contains:
 - A `wait until [(o) is obstacle distance < v] [t]` loop with `v = 10`.
 - Inside the loop:
 - `show image [3 v] for (1 sec)`
 - `show image [2 v] for (1 sec)`
 - `show image [1 v] for (1 sec)`
 - `say [Show your pass] until done`
 - A `forever` loop.
 - Inside the `forever` loop:
 - An `if [(o) is color green v detected? then]` branch:
 - `say [doors open] until done`
 - `set motor run [counterclockwise v] with [80 % speed]`
 - `wait [0.5 sec]`
 - `set motor run [counterclockwise v] with [0 % speed]`
 - An `else` branch:
 - `if [(o) is color red v detected? then]`:
 - `say [doors closed] until done`
 - `set motor run [clockwise v] with [80 % speed]`
 - `wait [0.5 sec]`
 - `set motor run [clockwise v] with [0 % speed]`
- when square key pressed:** This section contains:
 - `set motor run [counterclockwise v] with [0 % speed]`
 - `stop all sounds`
 - `stop [all v]`

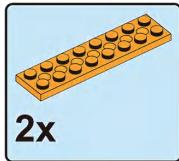
Case 9

Aerial Working Platform

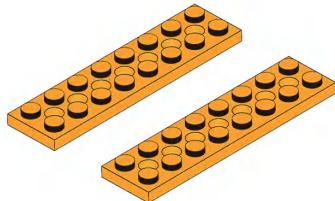


Parts List

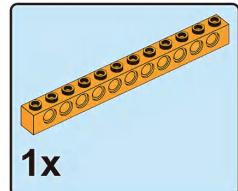
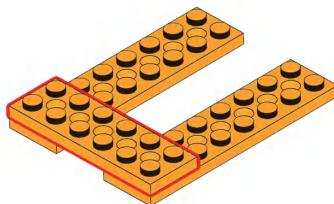




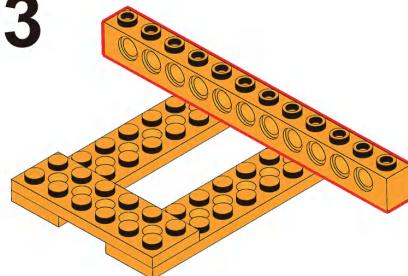
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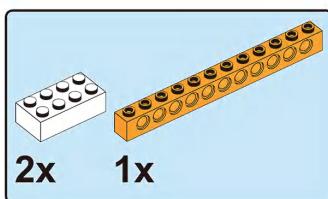
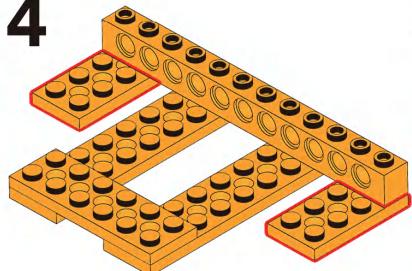
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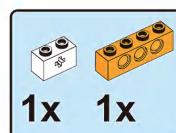
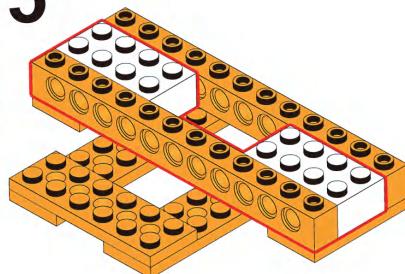
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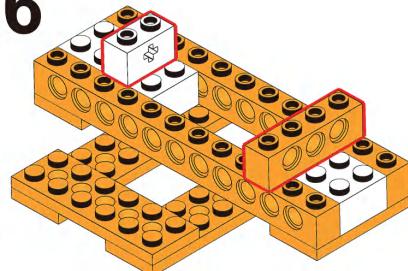
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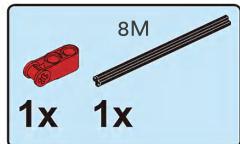
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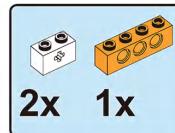
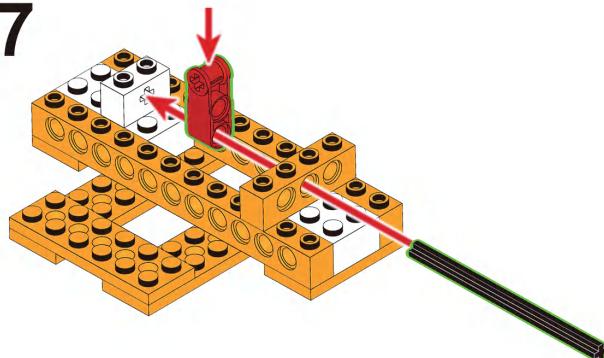
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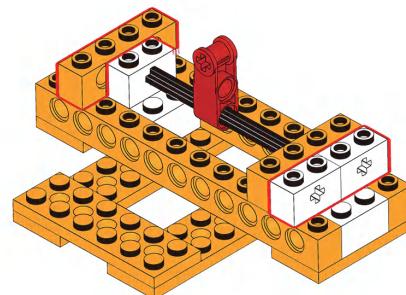
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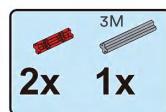
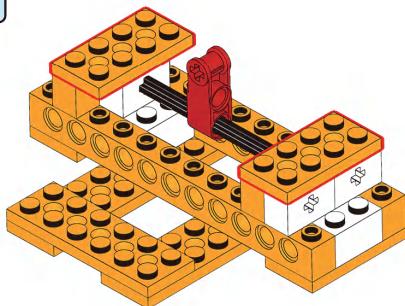
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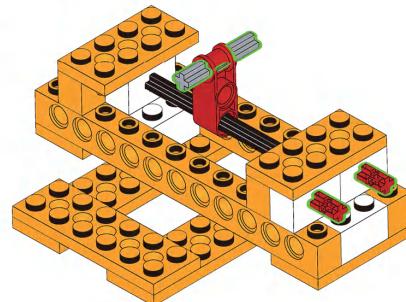
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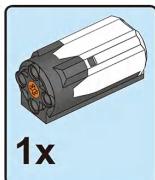


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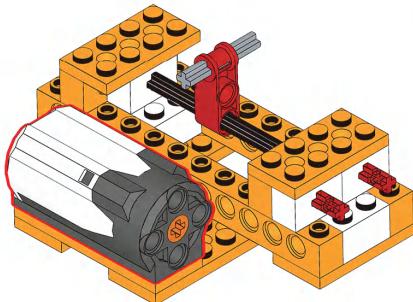
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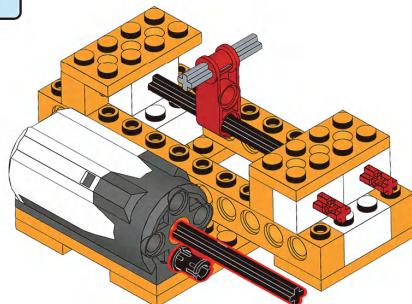


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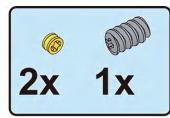
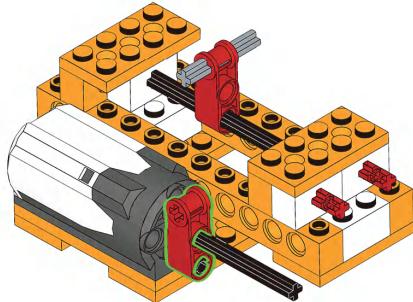


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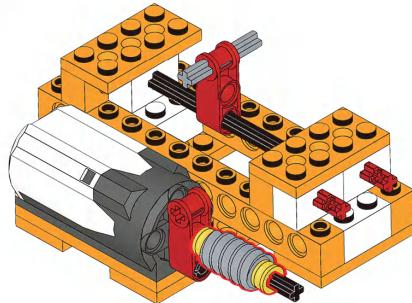


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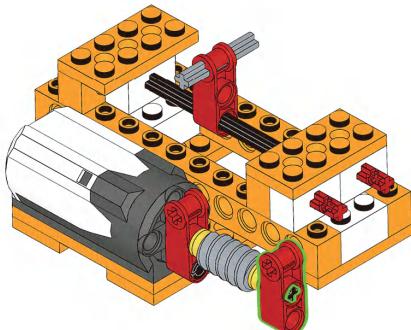


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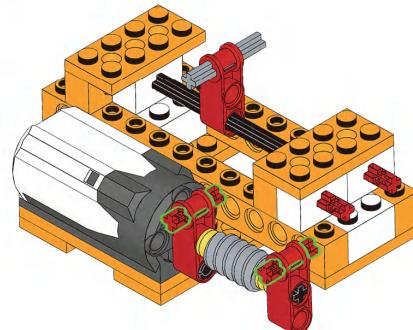
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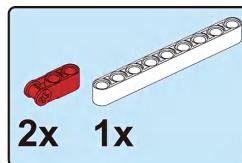
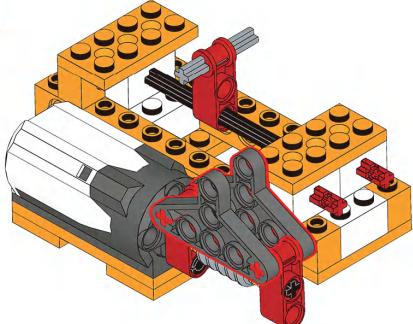
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16



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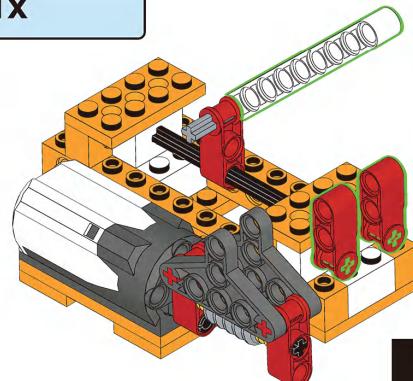
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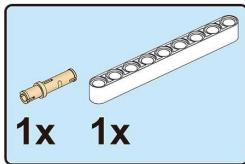
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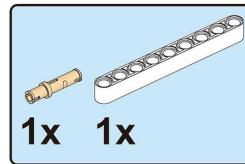
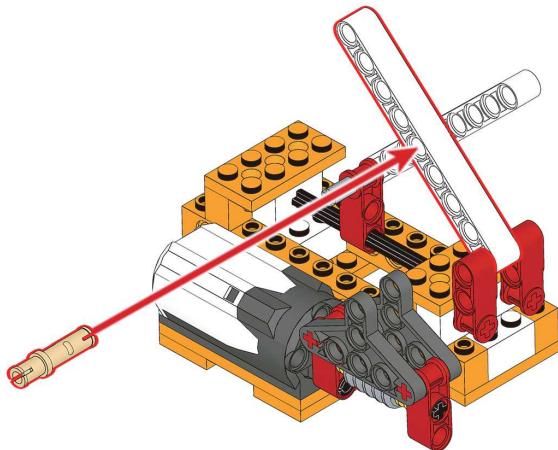
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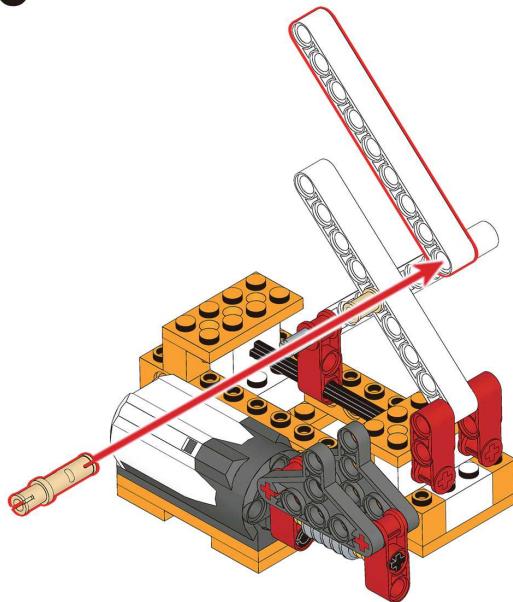
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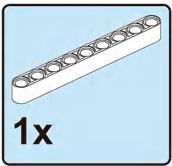


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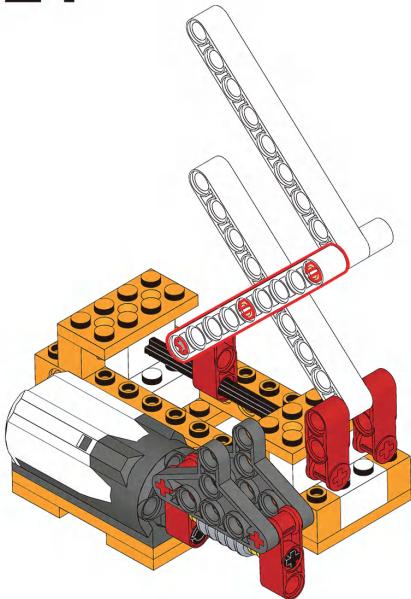


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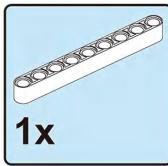
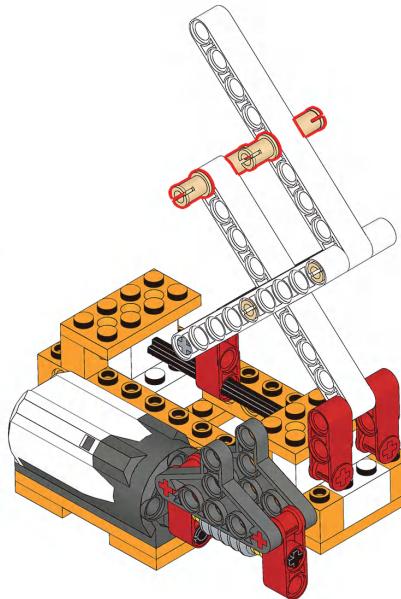




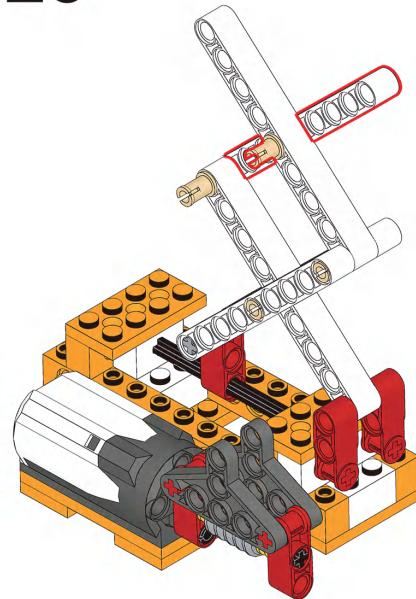
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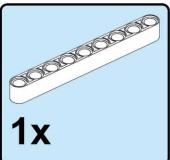


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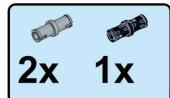
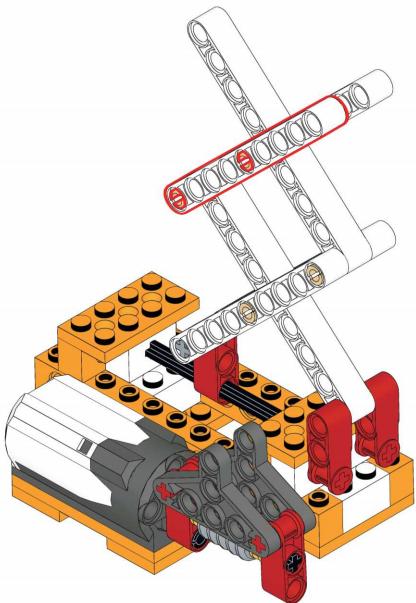


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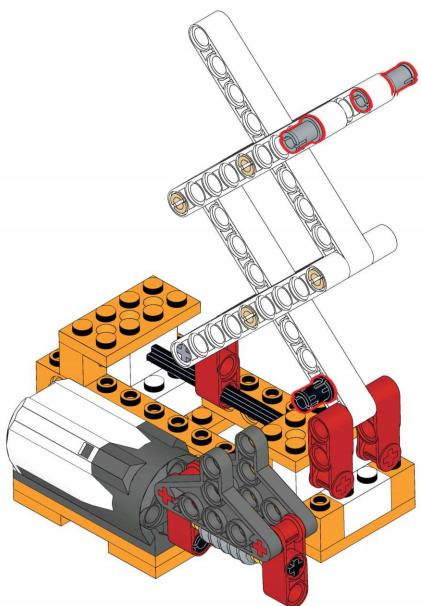


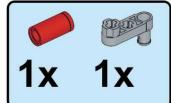


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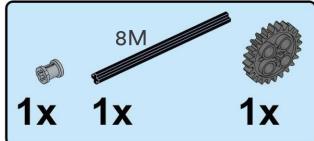
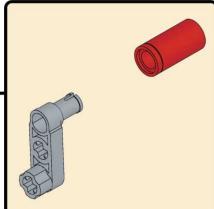


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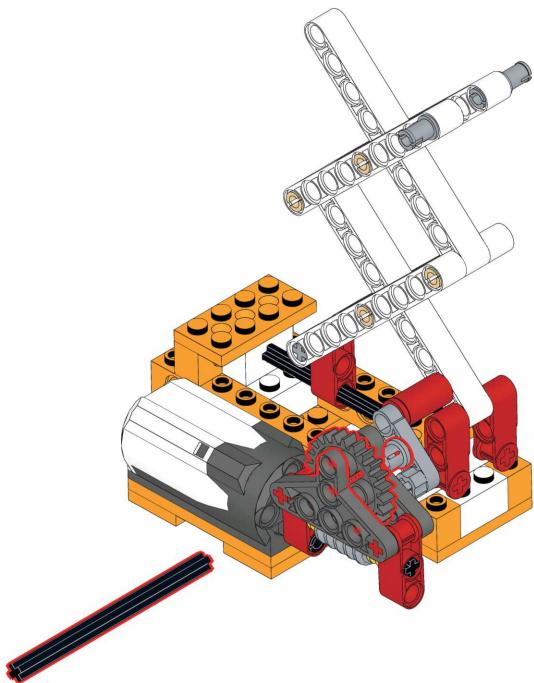
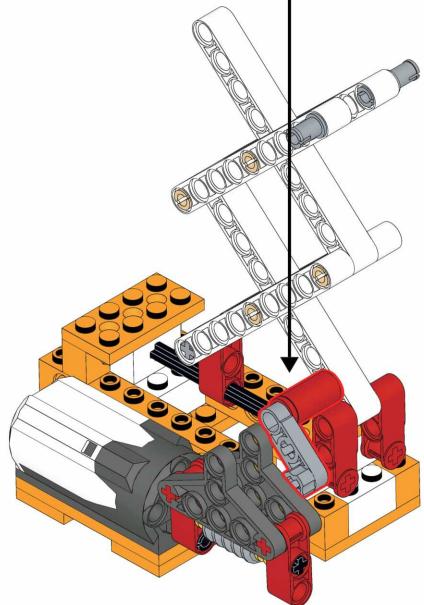




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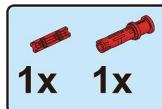
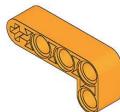


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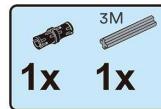




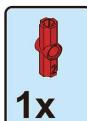
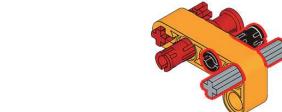
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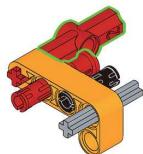
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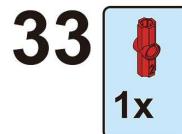
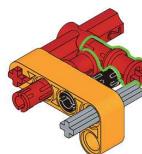
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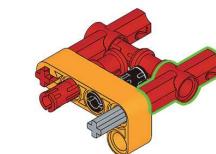
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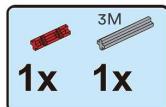
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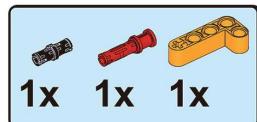
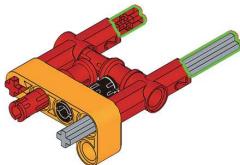
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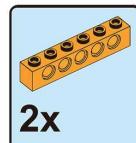
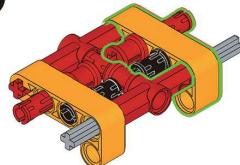
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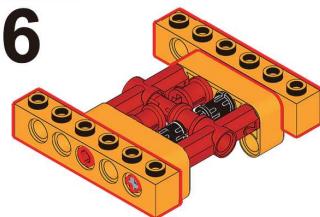
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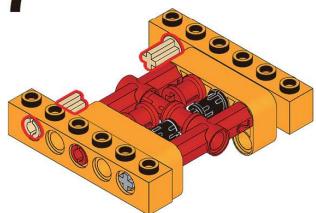
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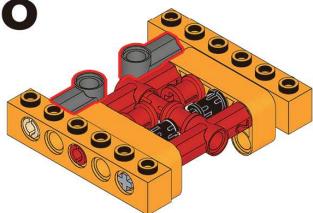
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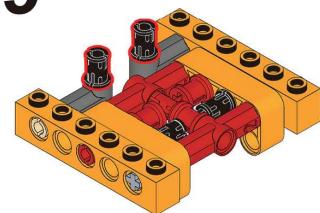
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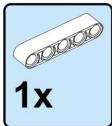


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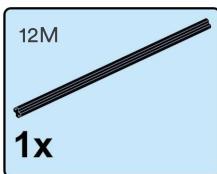
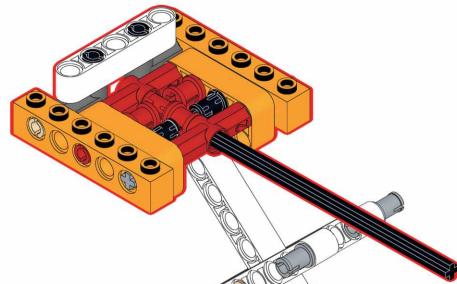
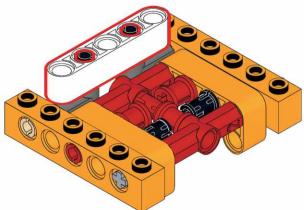
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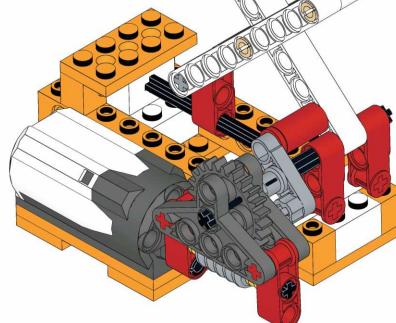
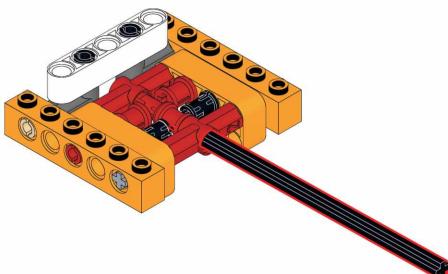


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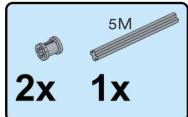
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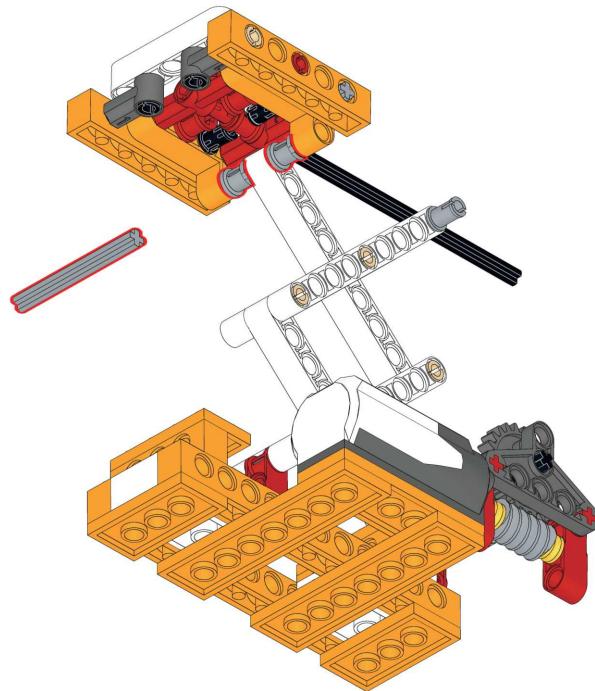
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11



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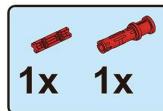
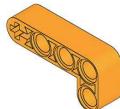


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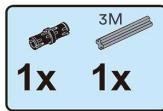
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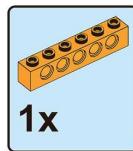
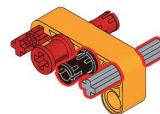
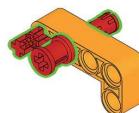
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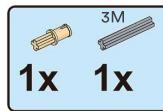
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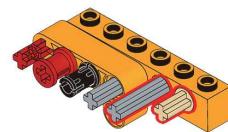
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47



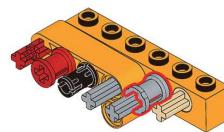
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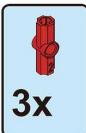


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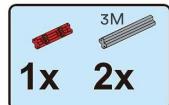
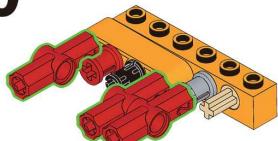
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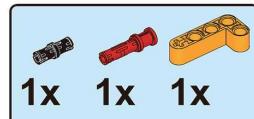
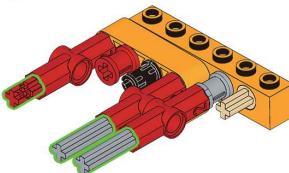
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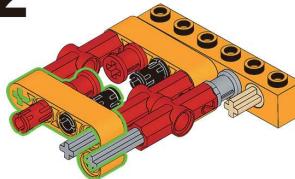
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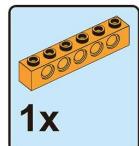
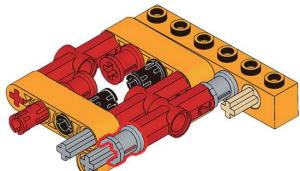
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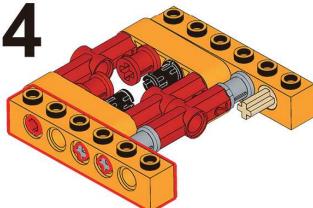
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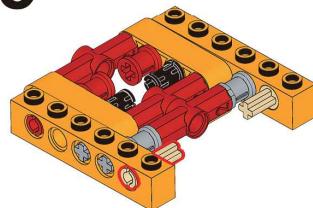
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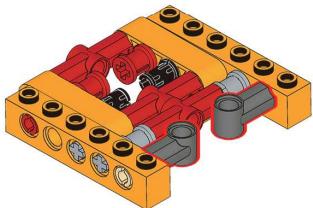


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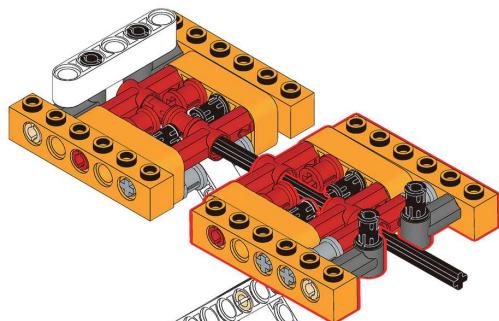




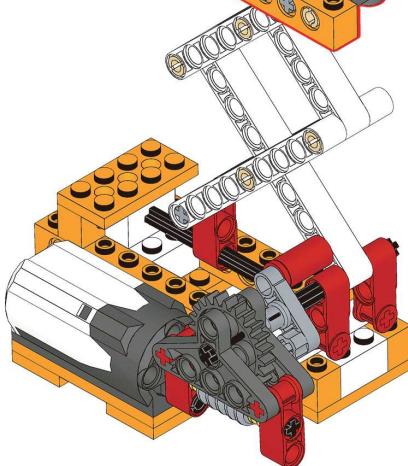
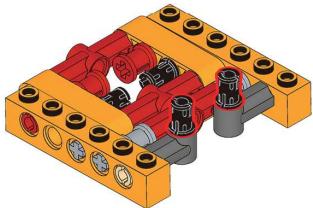
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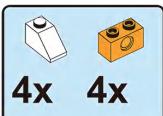
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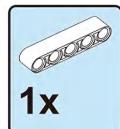
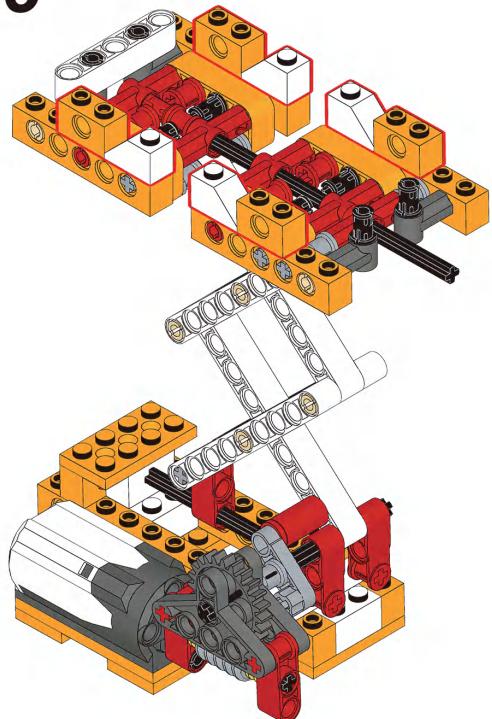
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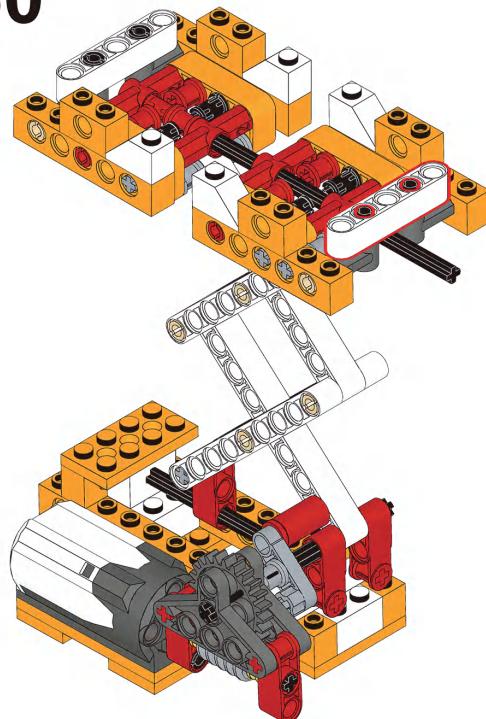
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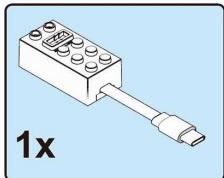


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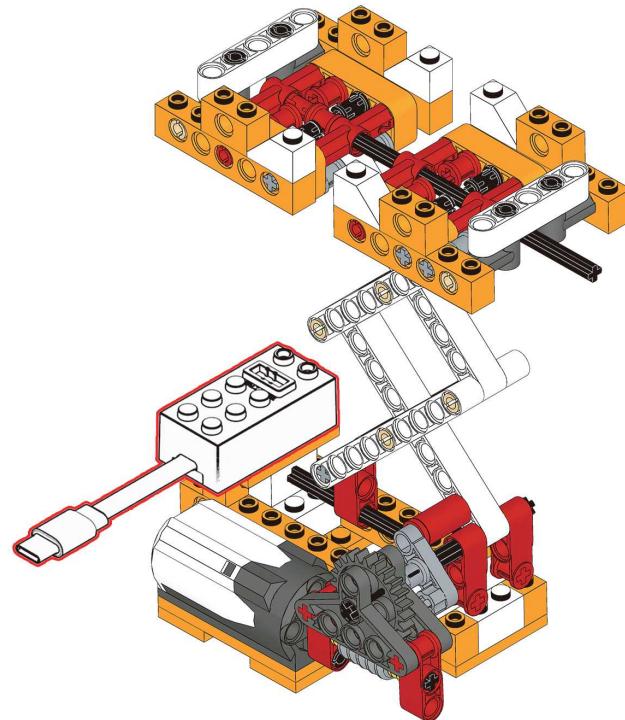


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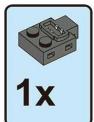




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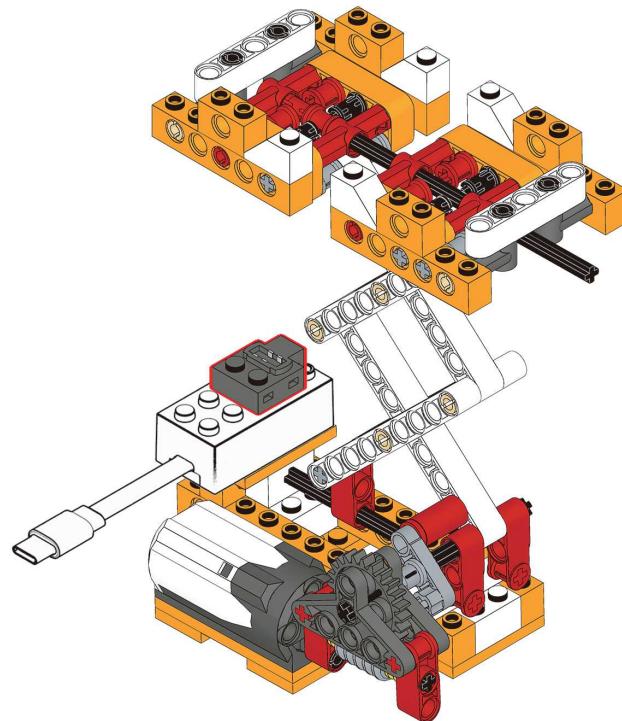


17

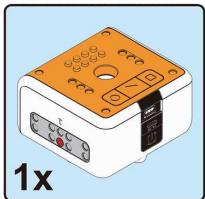


1x

62



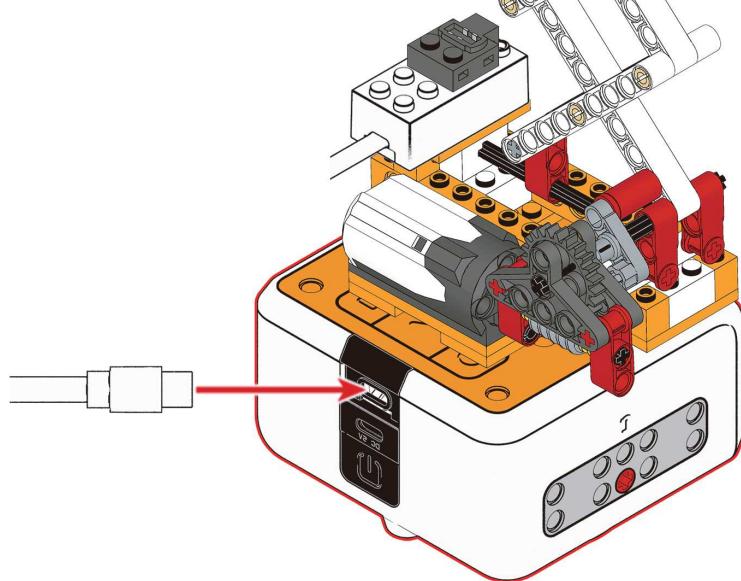
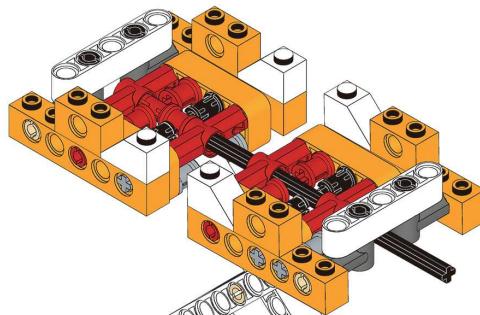
18



63

4M

3M



19

Demo Program

```
when robot start
forever
  set x to 0
  wait until x = 1
  repeat until x = 0
    set LEDs array [red]
    sound fire engine until done
    set LEDs array [red]
    wait 0.2 seconds
```

```
when circular key pressed
  set motor run counterclockwise with 90 % speed
  wait 1.5 seconds
  set motor run clockwise with 0 % speed
```

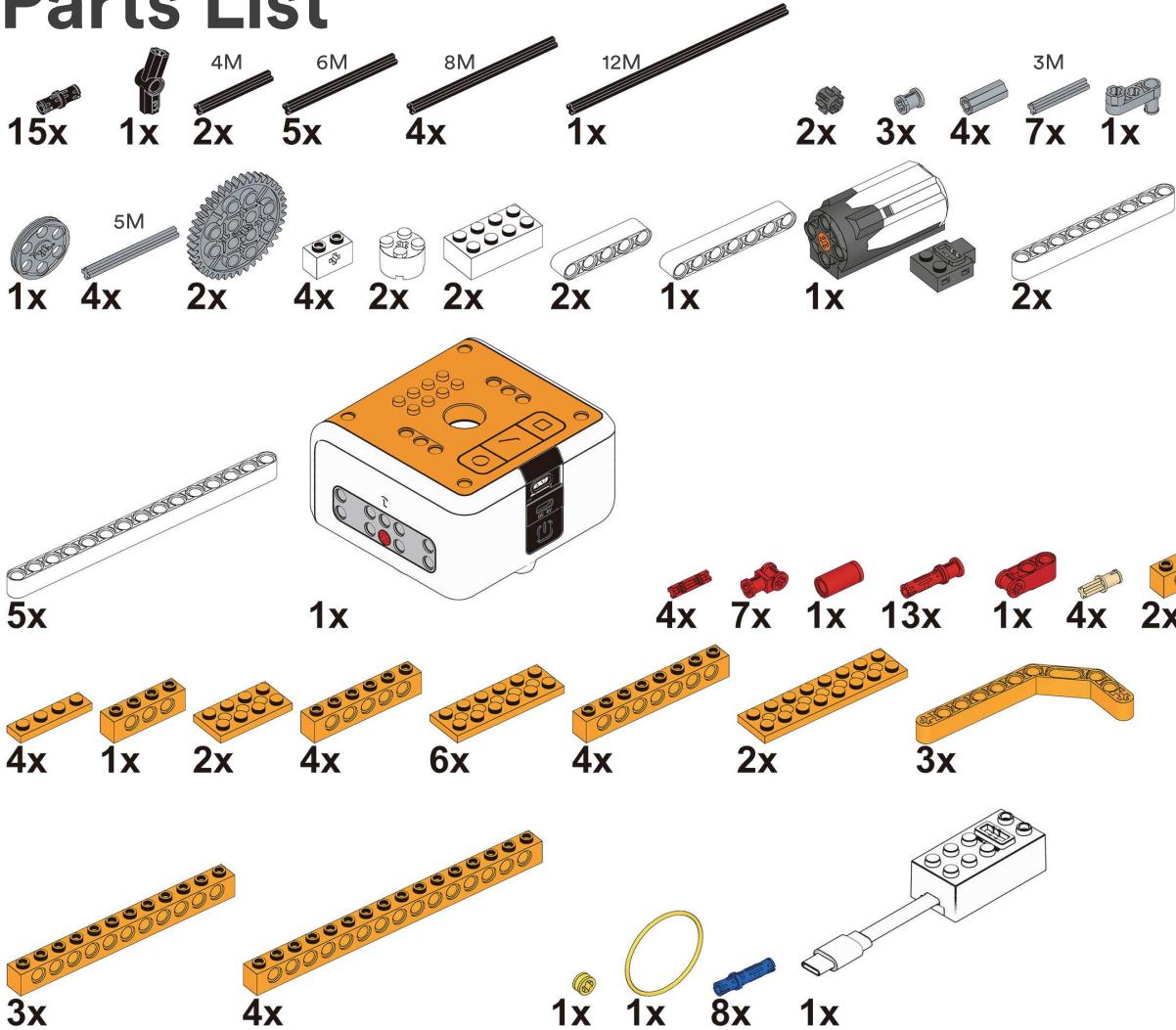
```
when square key pressed
  set motor run clockwise with 90 % speed
  wait 1.5 seconds
  set motor run clockwise with 0 % speed
```

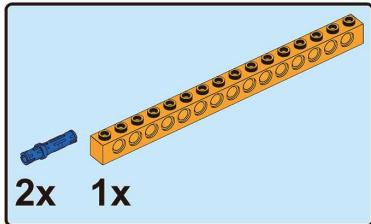
```
when triangle key pressed
  show image [grid]
  wait 2 seconds
  set x to 1
  move backward for 15 cm
  turn right for 90 degrees
  start moving forward with 50 % speed
  wait until ((is obstacle distance < 3) ?)
  stop moving
  set motor run counterclockwise with 90 % speed
  wait 1.5 seconds
  set motor run clockwise with 0 % speed
  wait 3 seconds
  set motor run clockwise with 90 % speed
  wait 1.5 seconds
  set motor run clockwise with 0 % speed
  show image [grid]
  set x to 0
  move backward for 15 cm
  turn left for 90 degrees
  move forward for 10 cm
```

Case 10 Shooting Practice

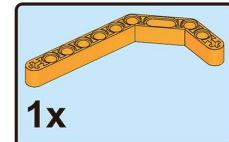
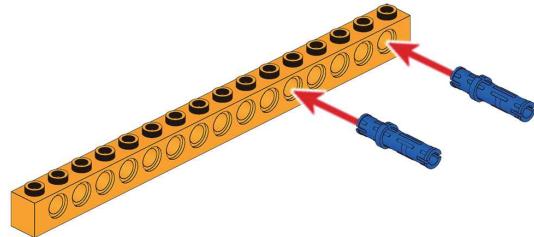


Parts List

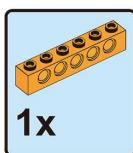
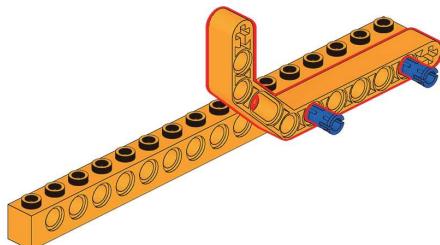




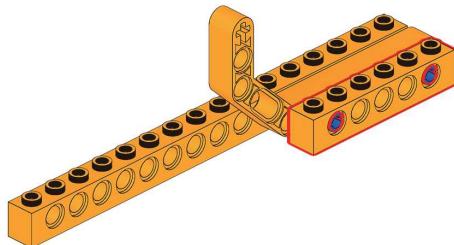
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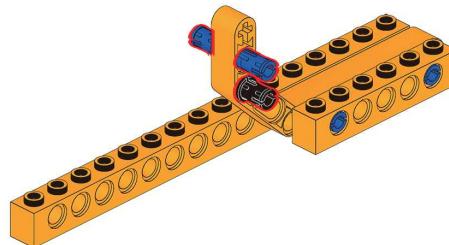
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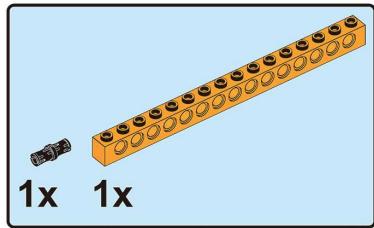
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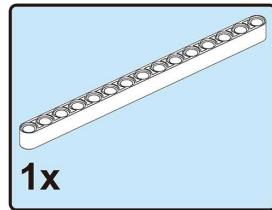
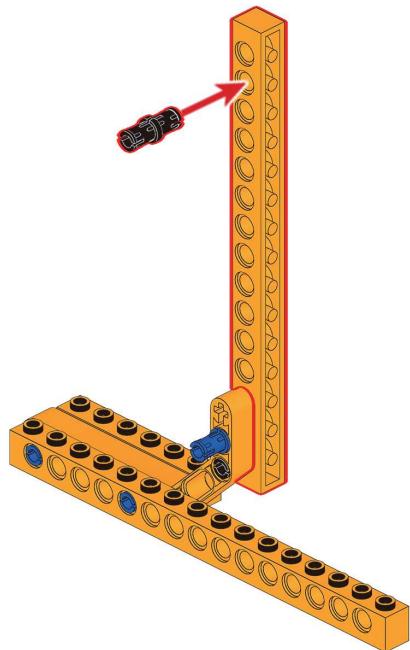
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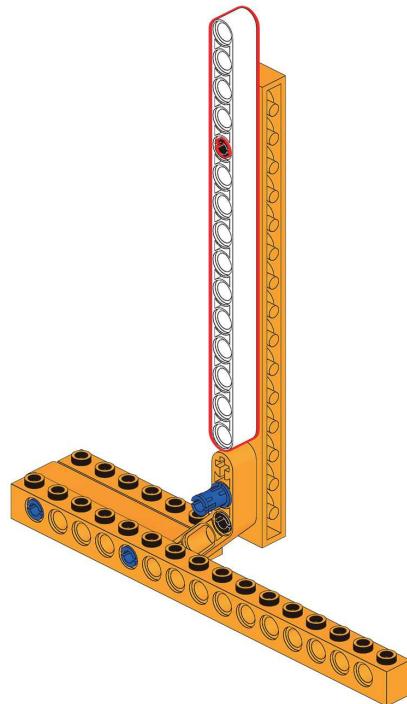
滚滚长江东逝水



5



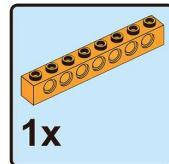
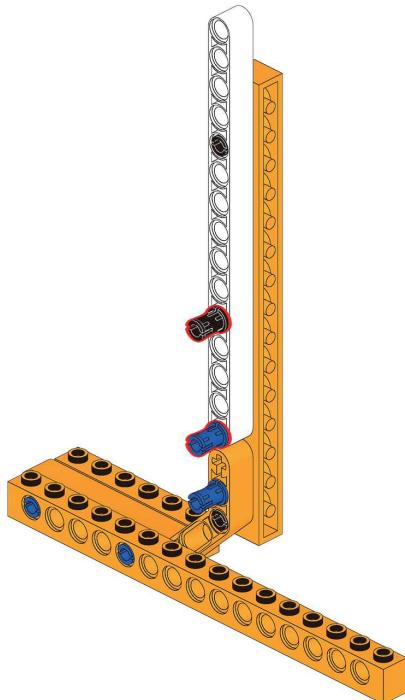
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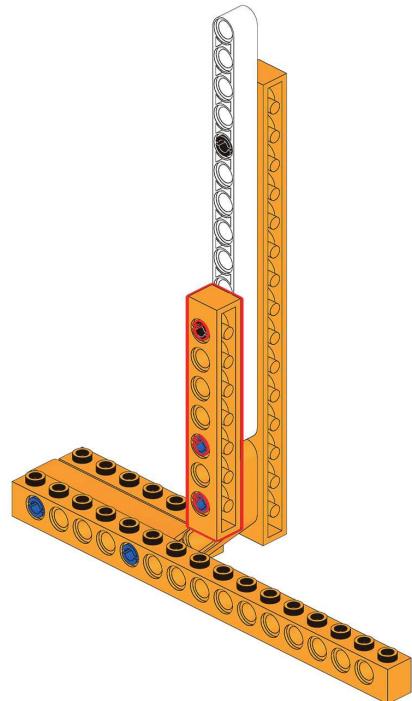
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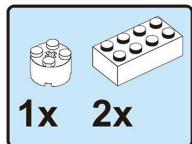
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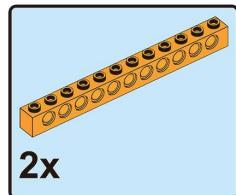
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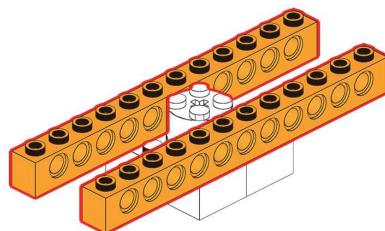
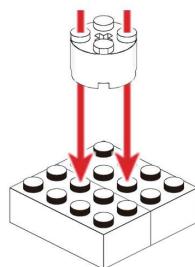
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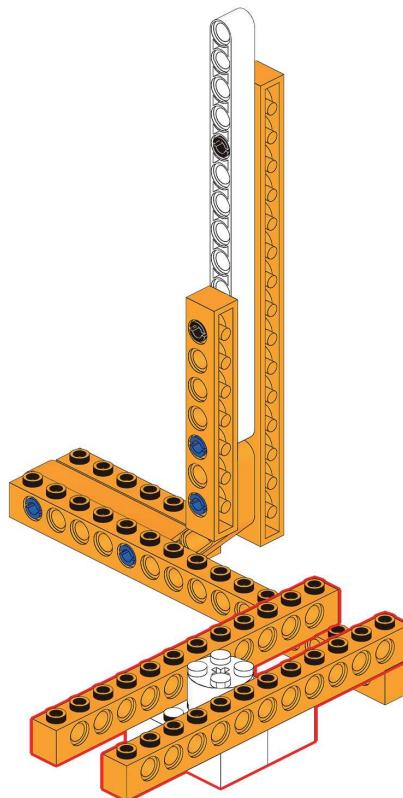
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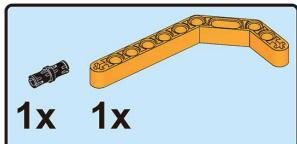
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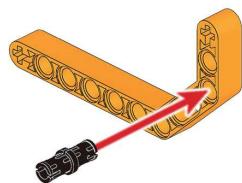
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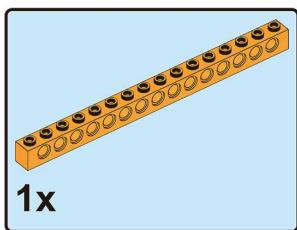
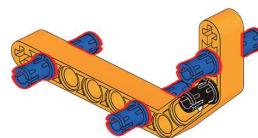
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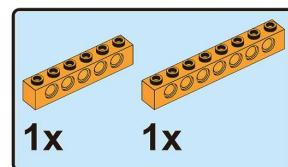
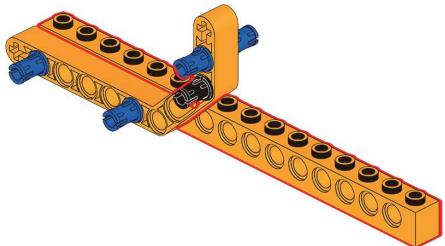
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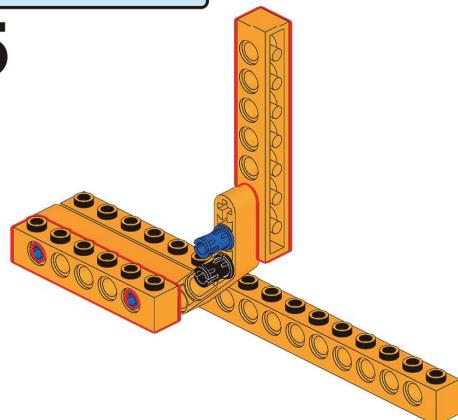
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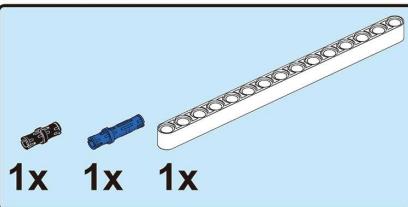
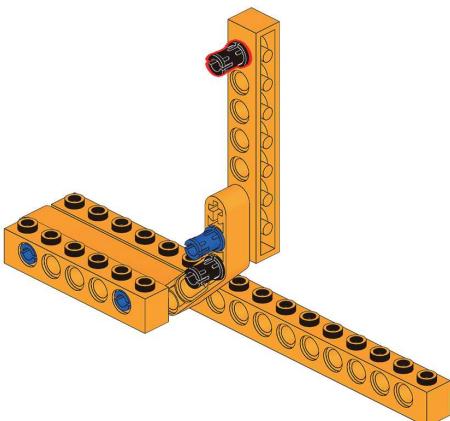
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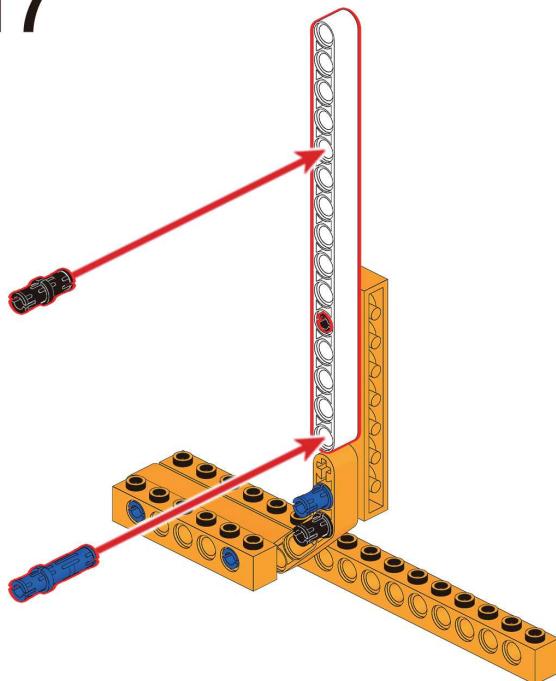
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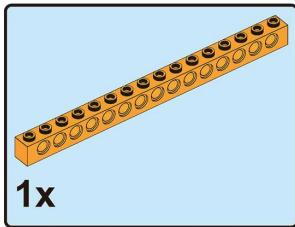

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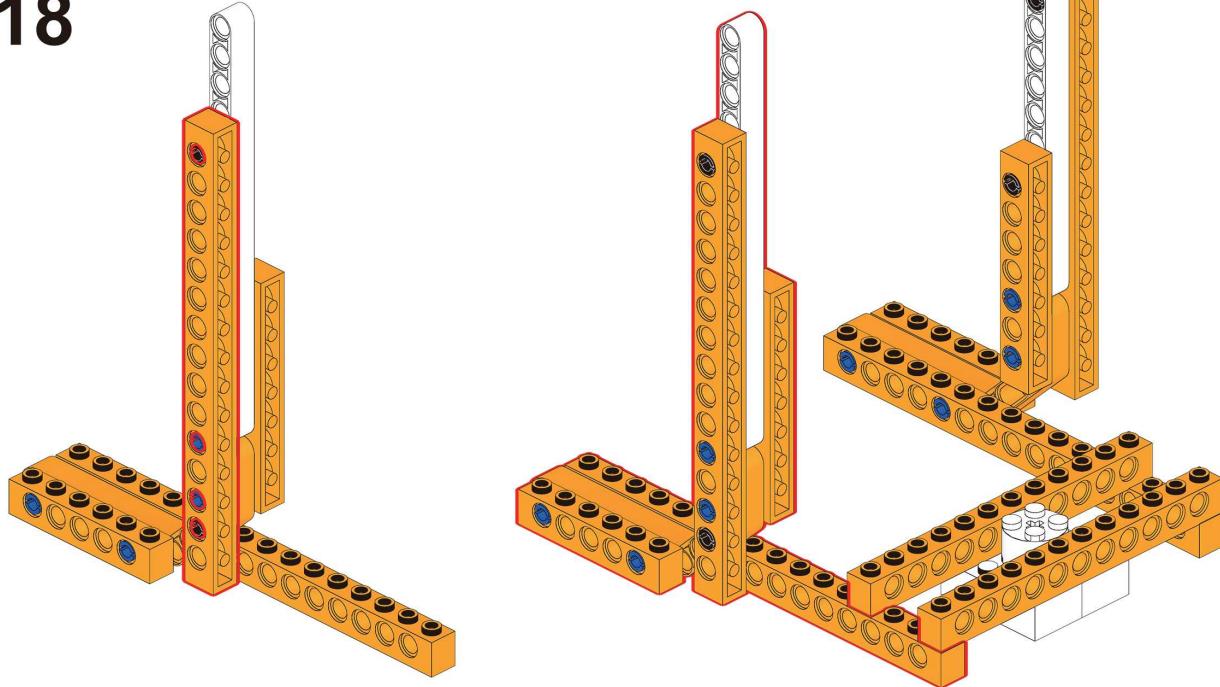
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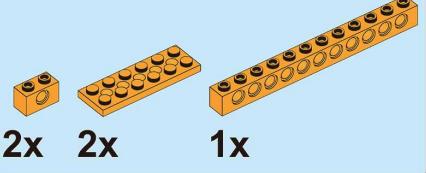




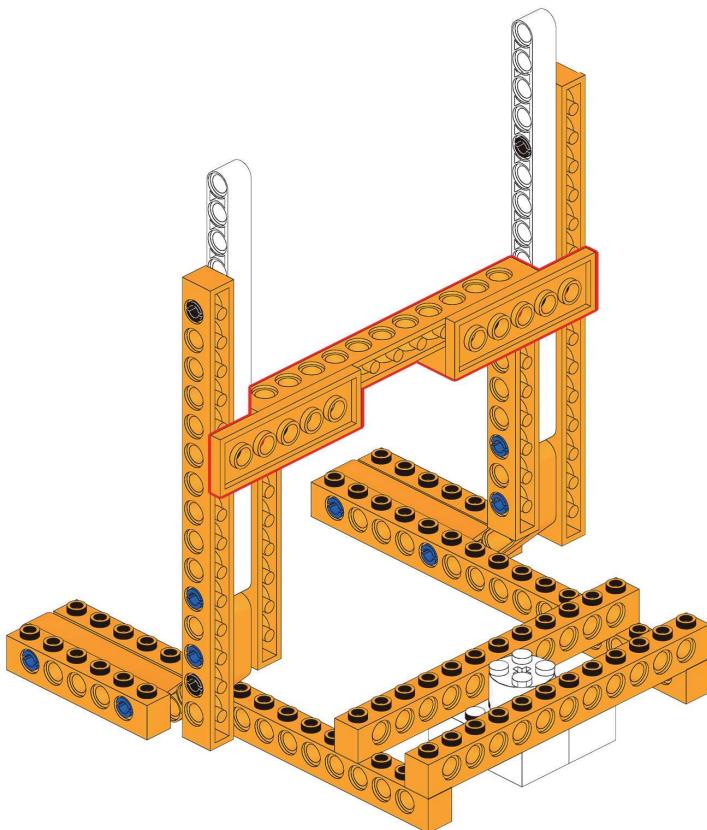
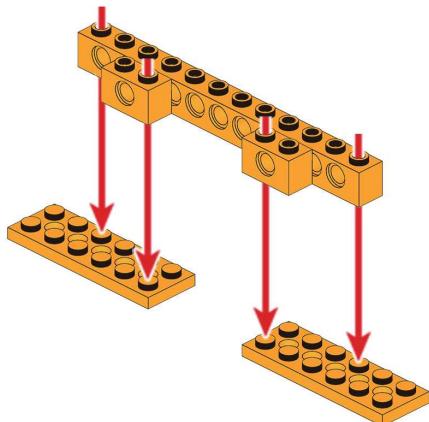
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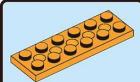
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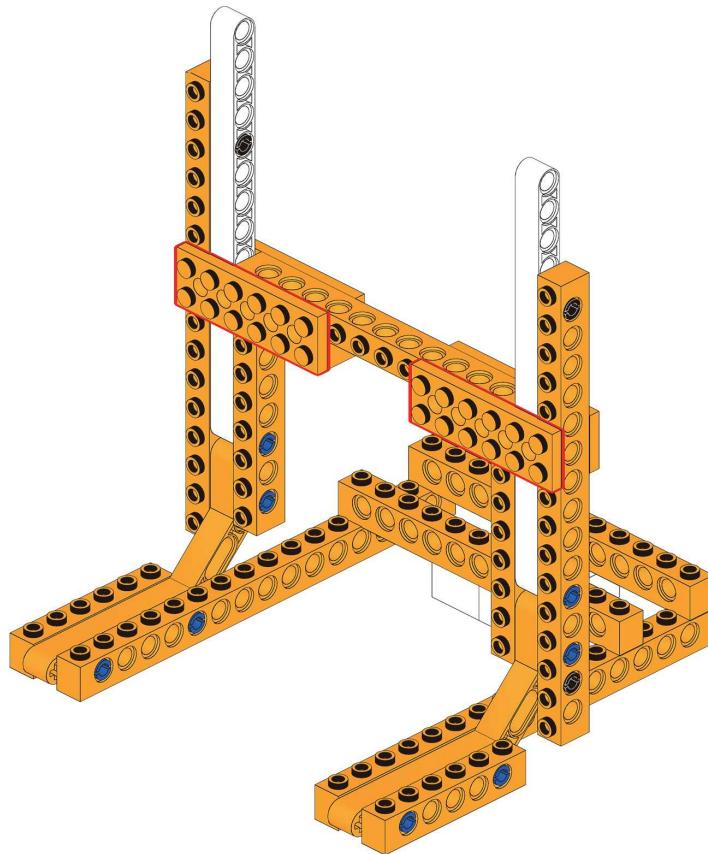
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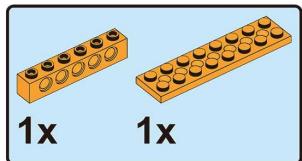


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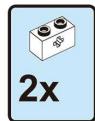
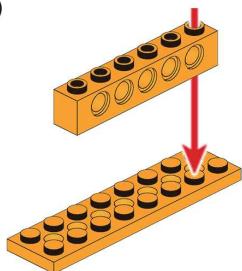
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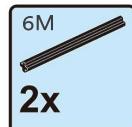
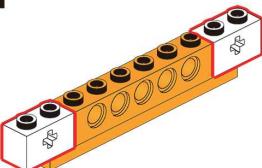
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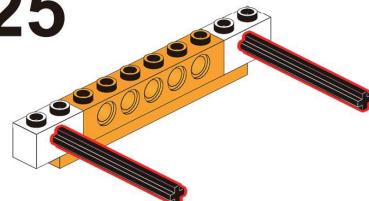
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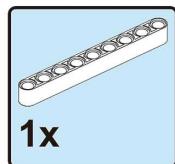
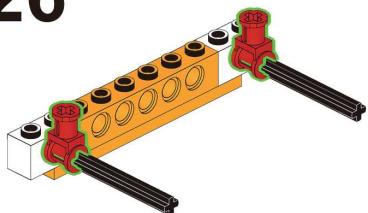
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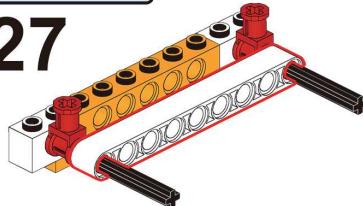
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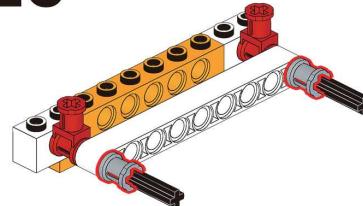
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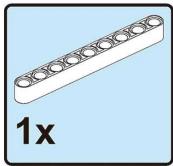
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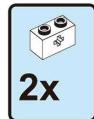
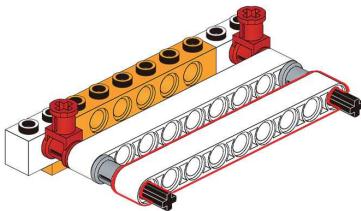
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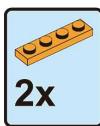
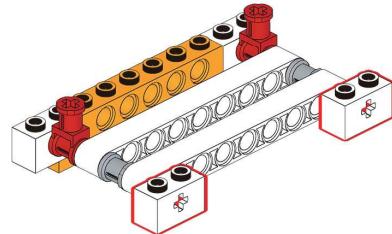
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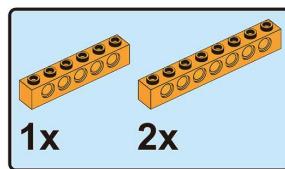
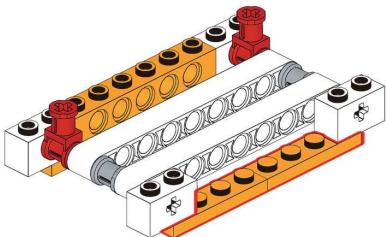
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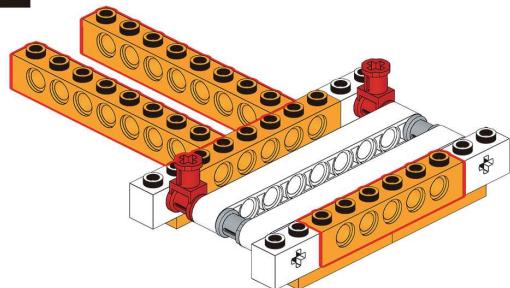
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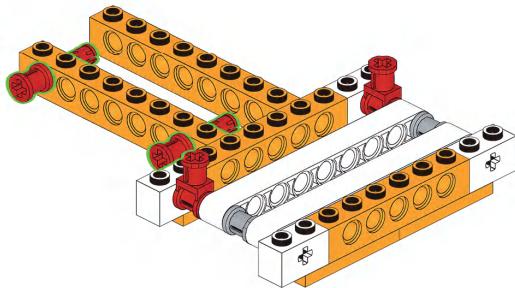
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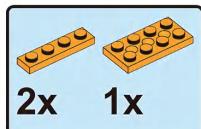
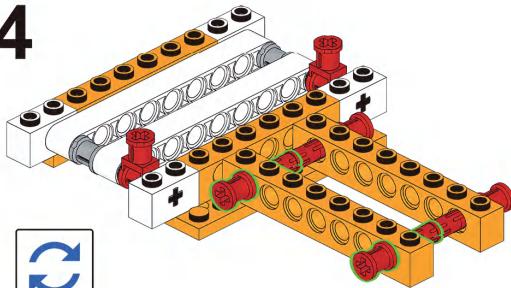
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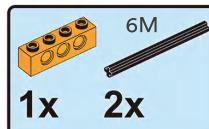
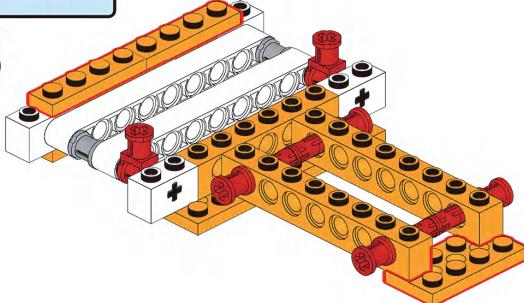
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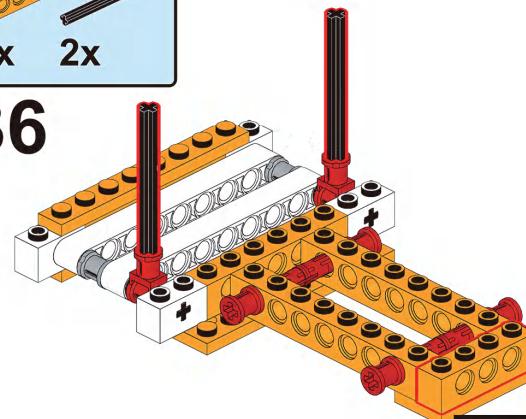
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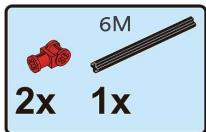


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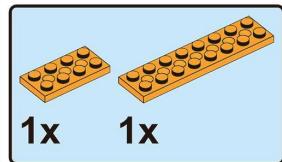
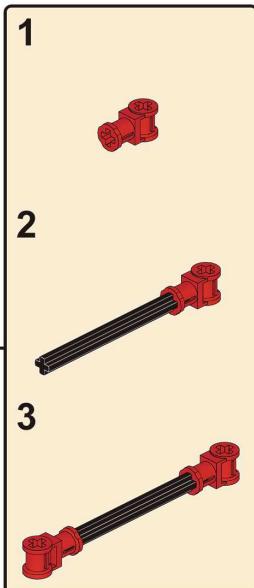
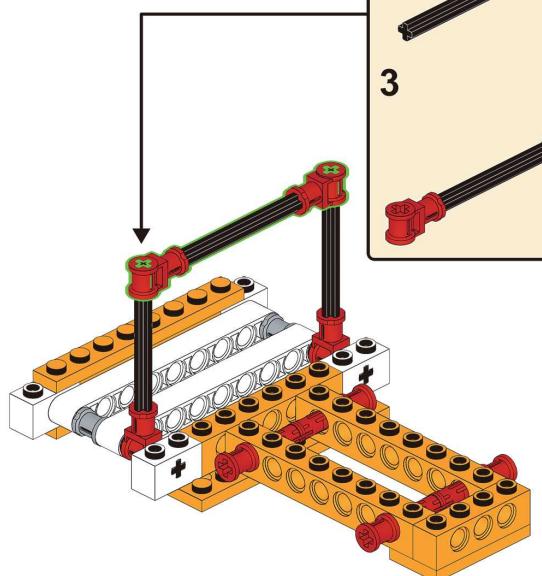


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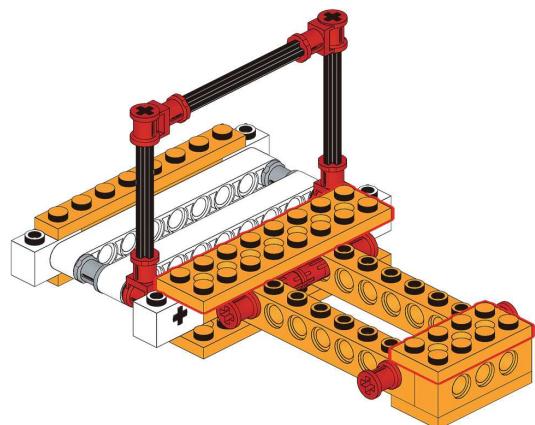




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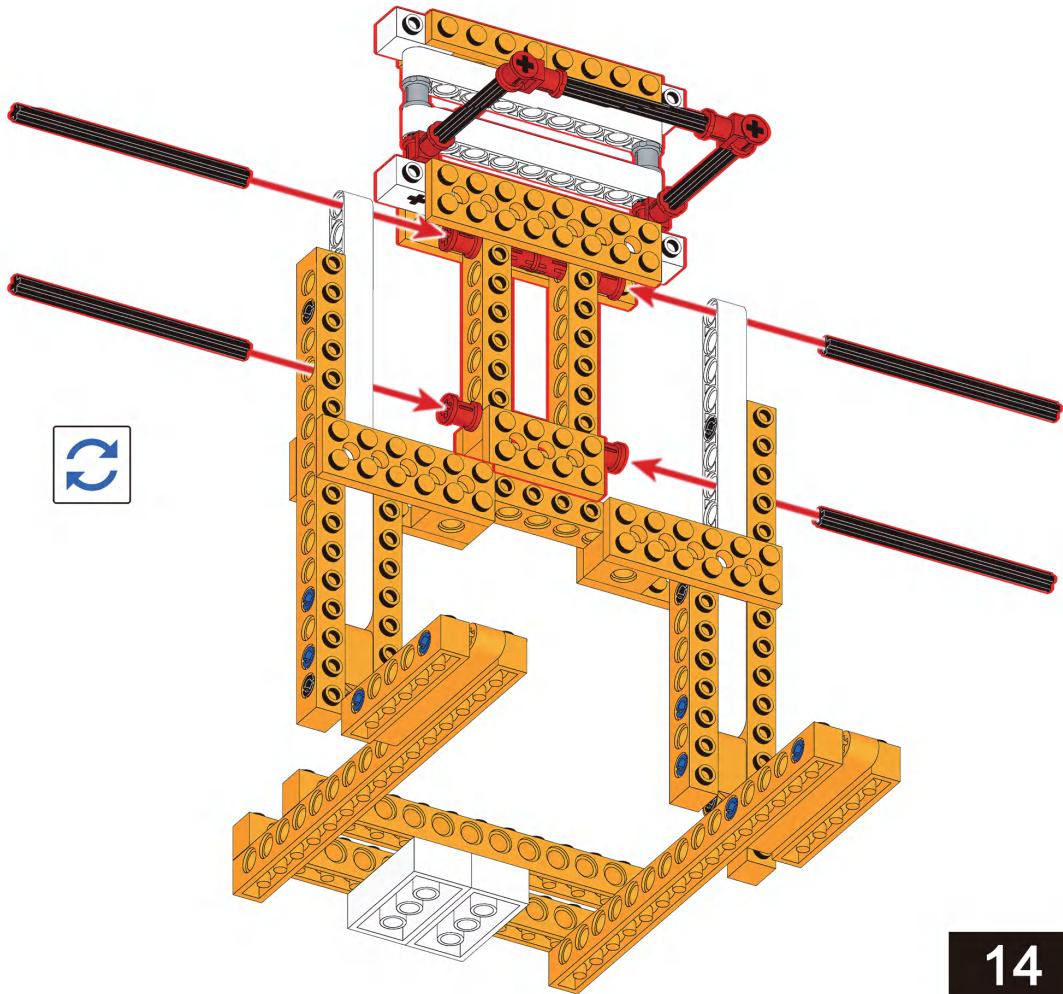
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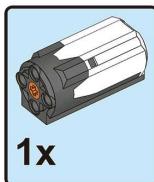
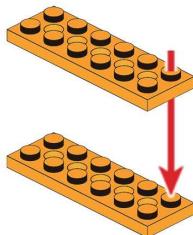
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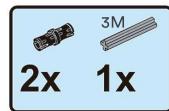
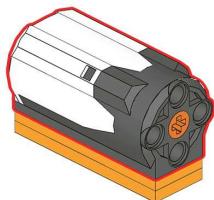
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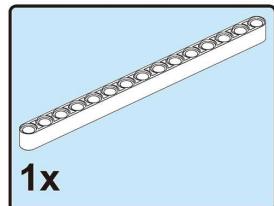
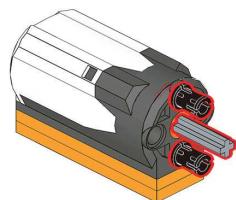
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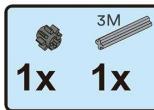
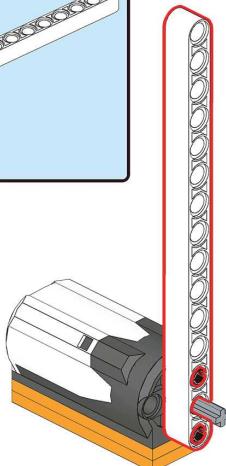
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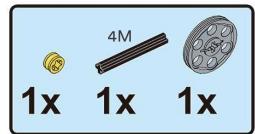
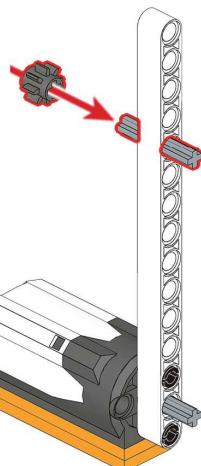
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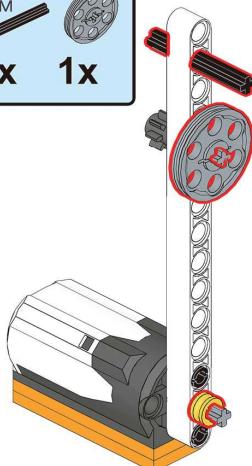
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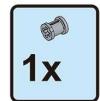
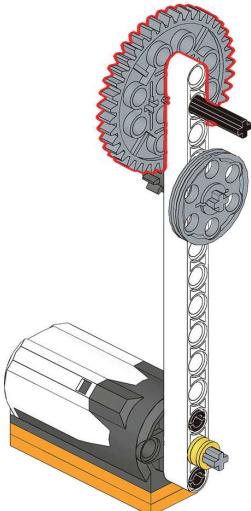
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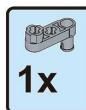
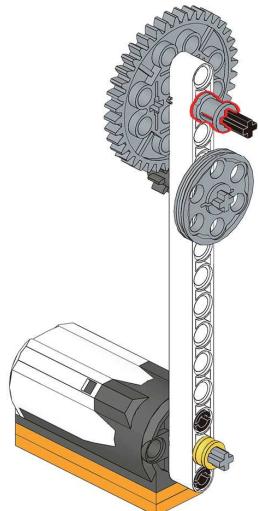
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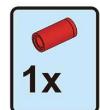
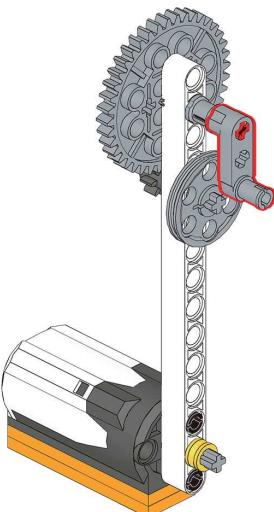
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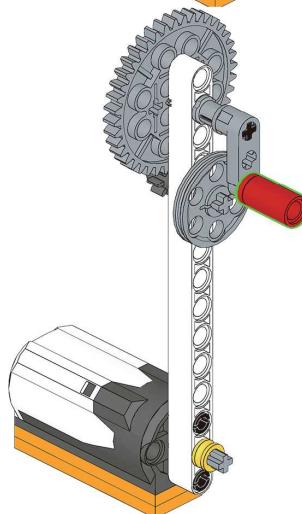
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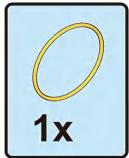
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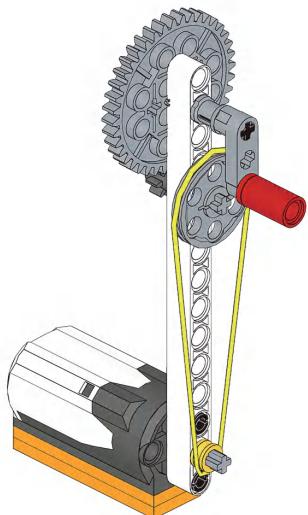
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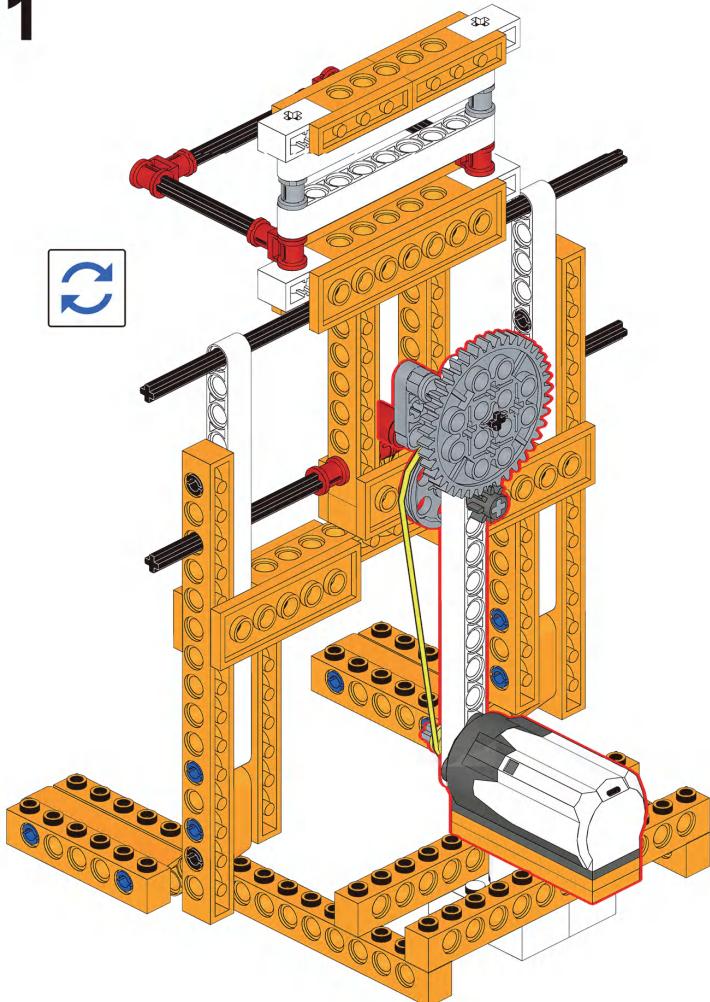
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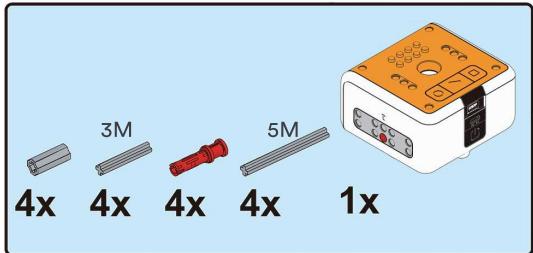
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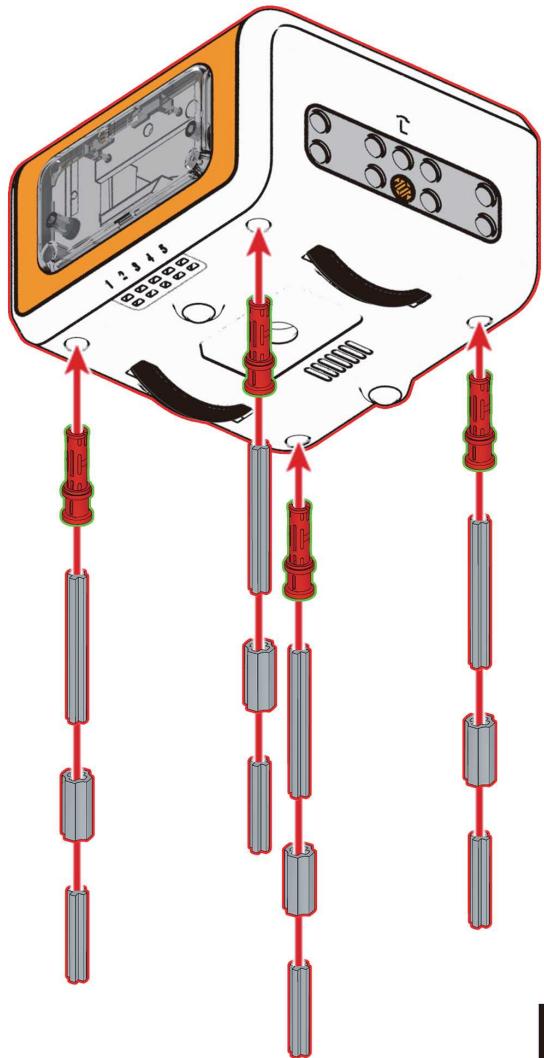
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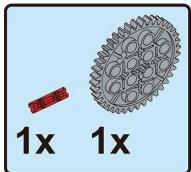
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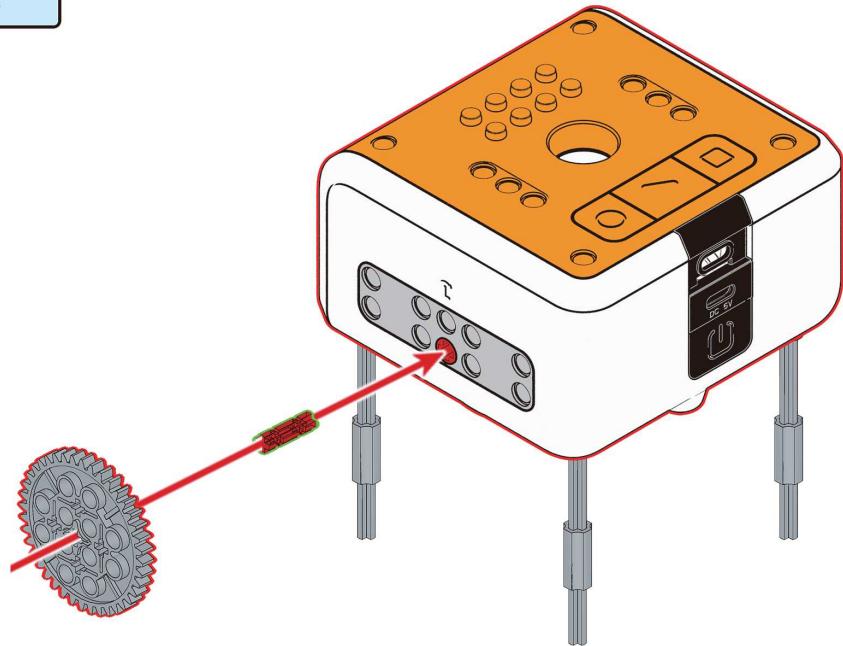
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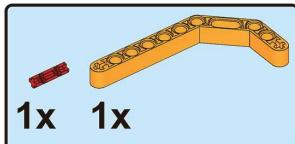
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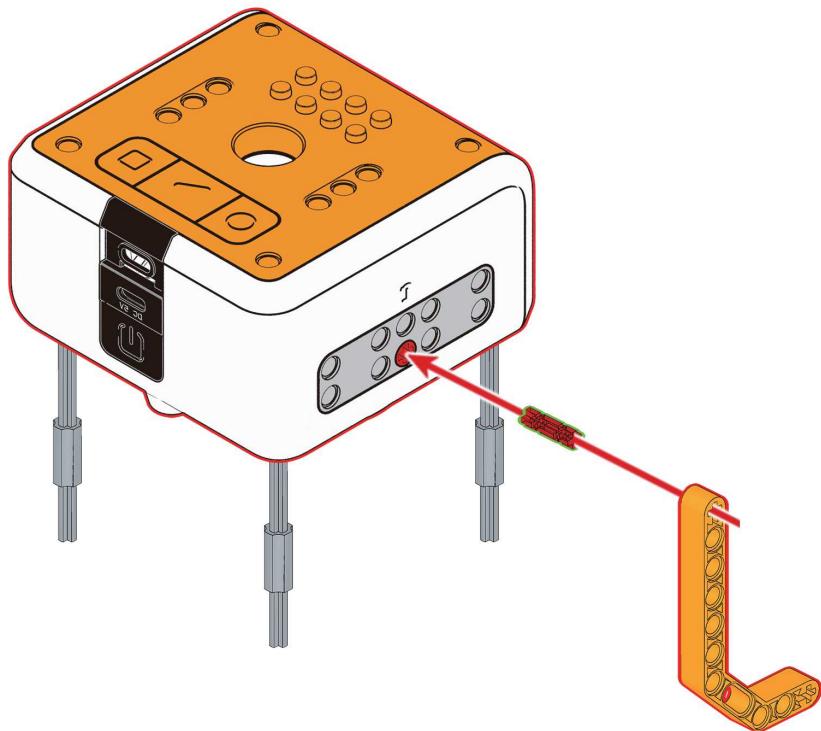
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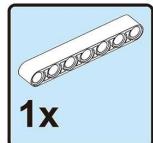


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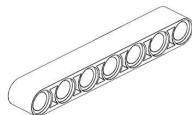


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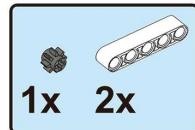




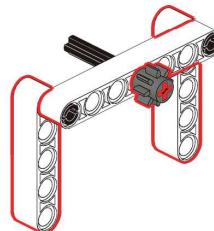
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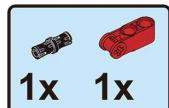
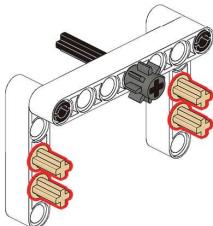
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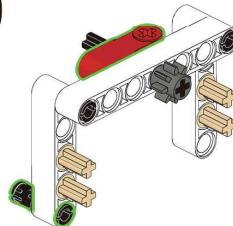
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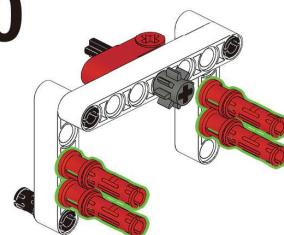
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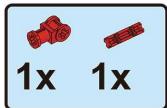
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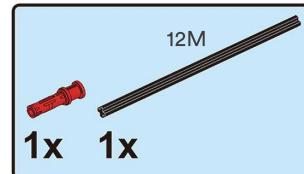
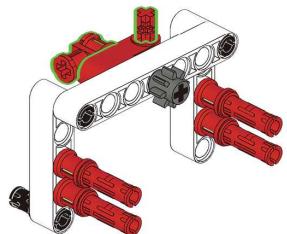
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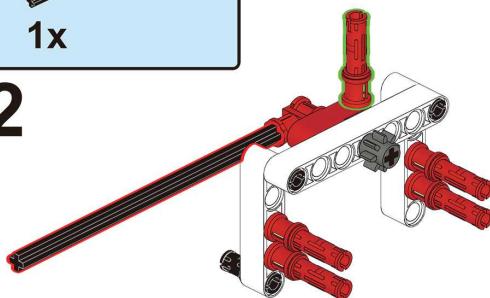
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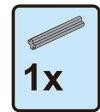
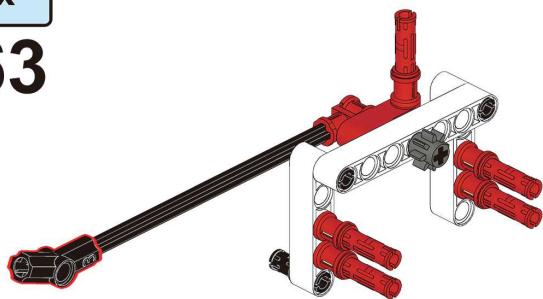
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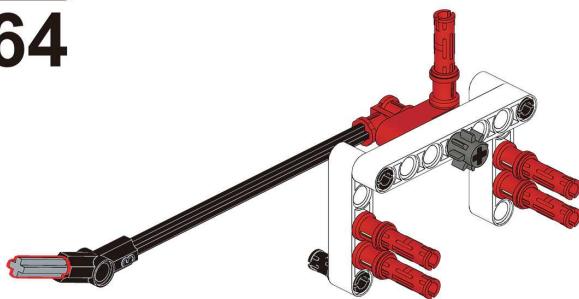
62



63

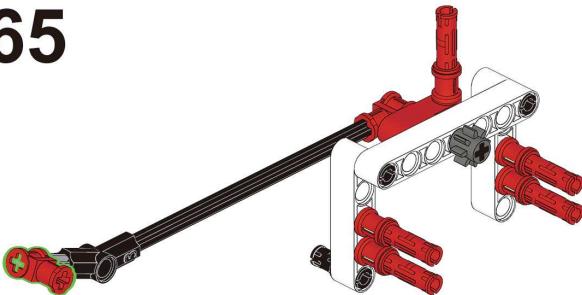


64

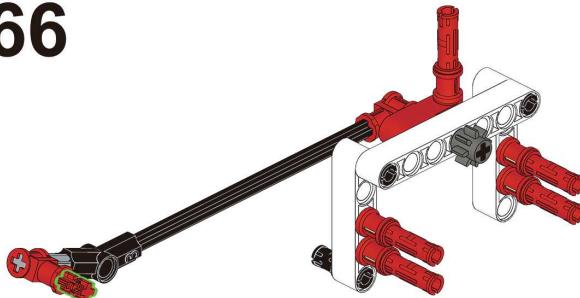




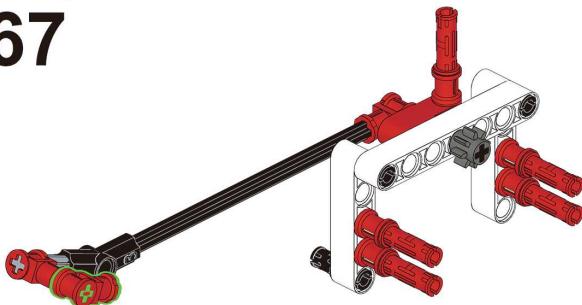
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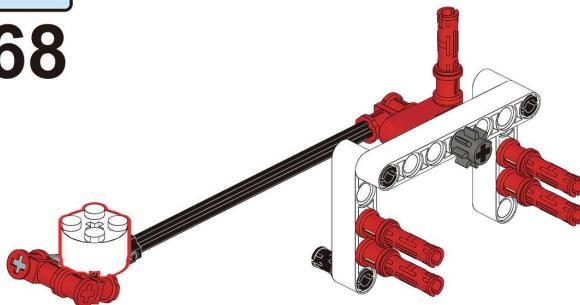
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67

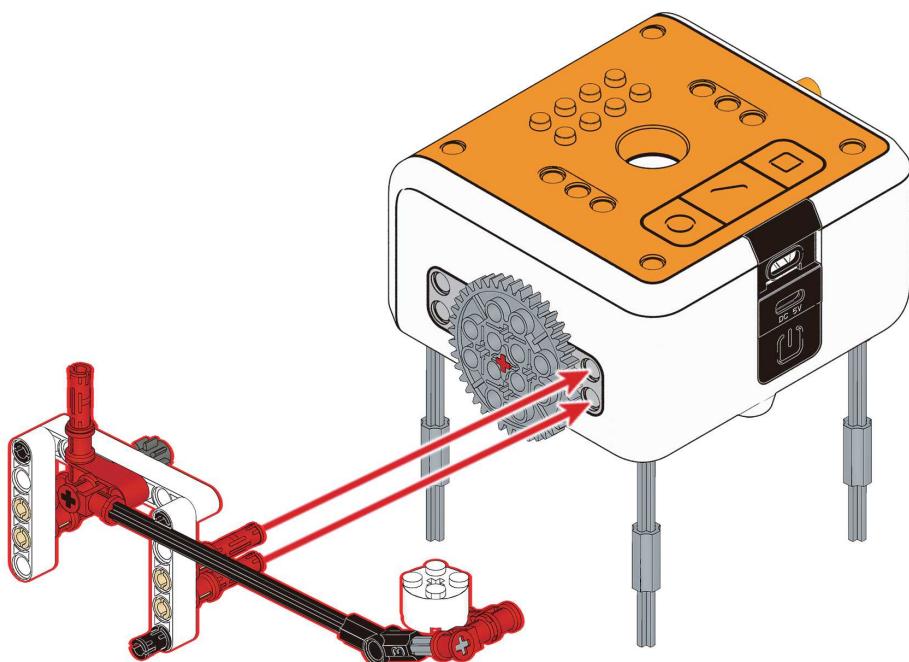


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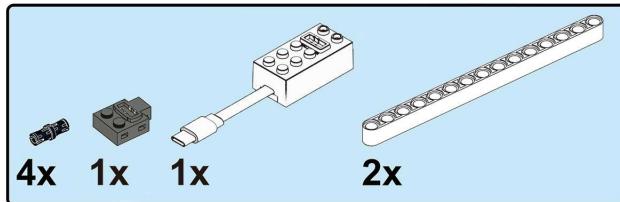


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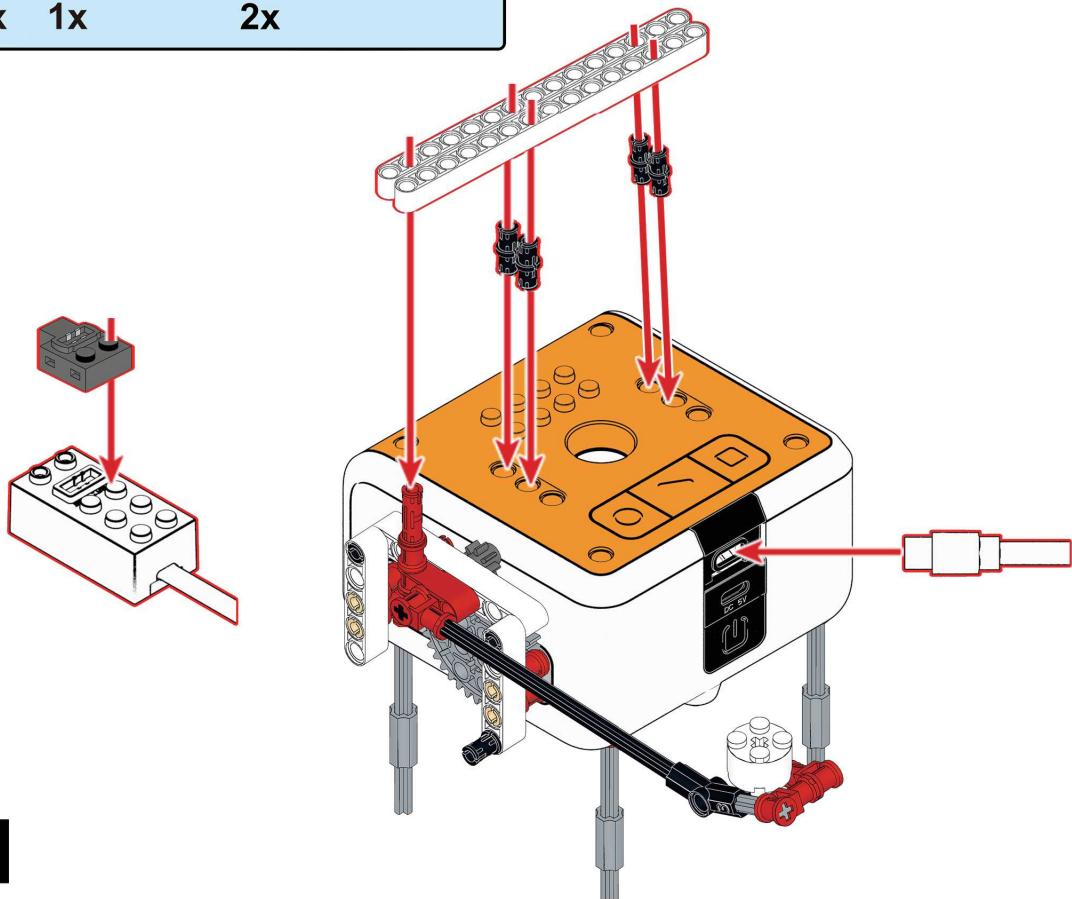
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24



70



25

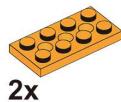
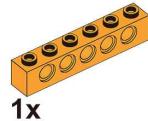
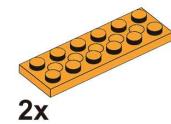
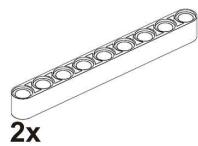
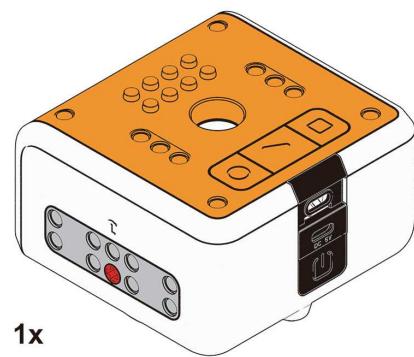
Demo Program



Case 11 VinciBot Pet

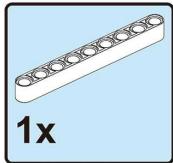


Parts List

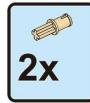
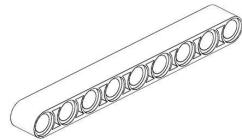


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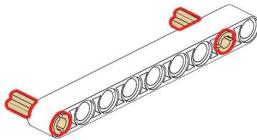
2x



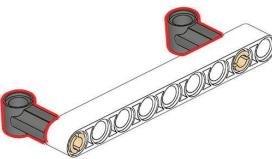
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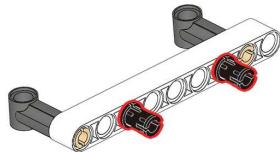
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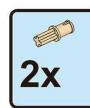
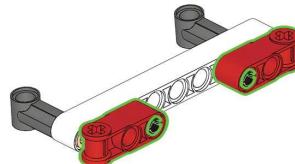
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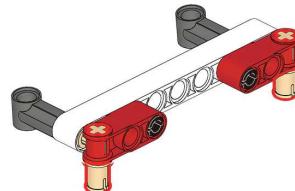
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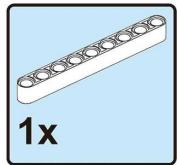
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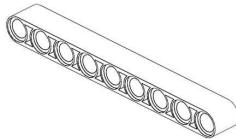
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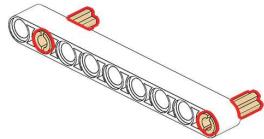
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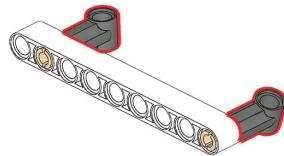
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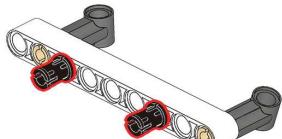
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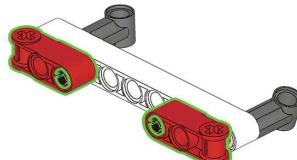
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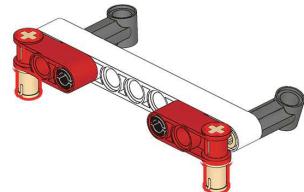
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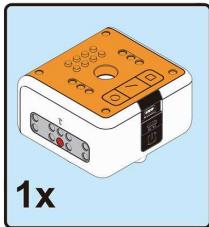
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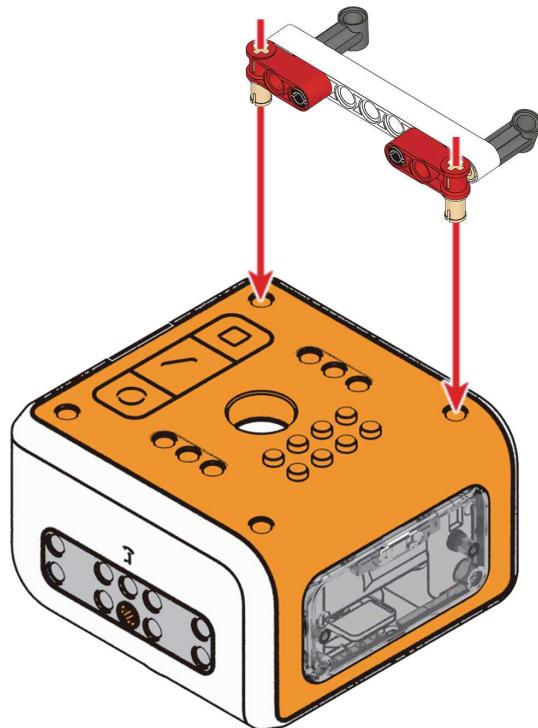
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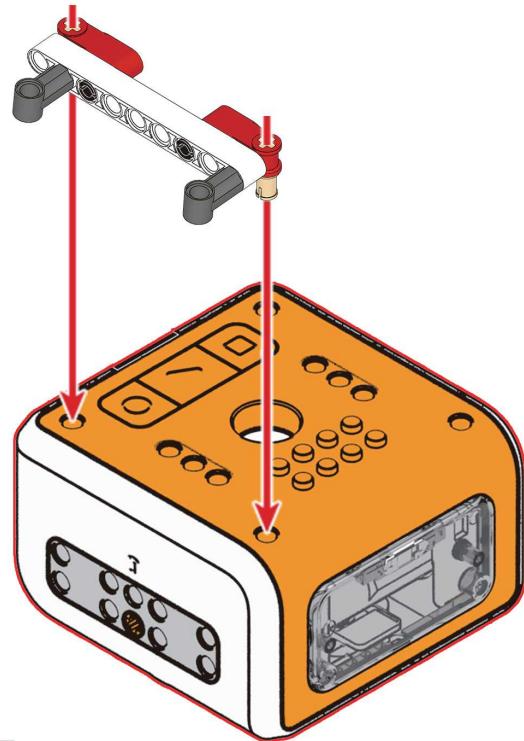
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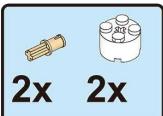
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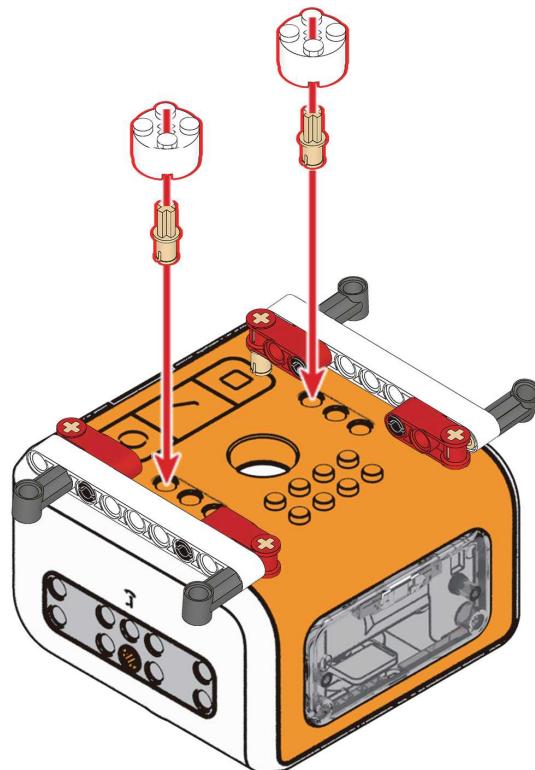
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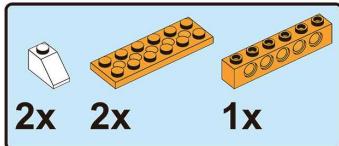


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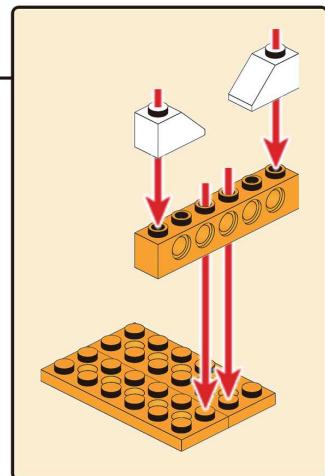
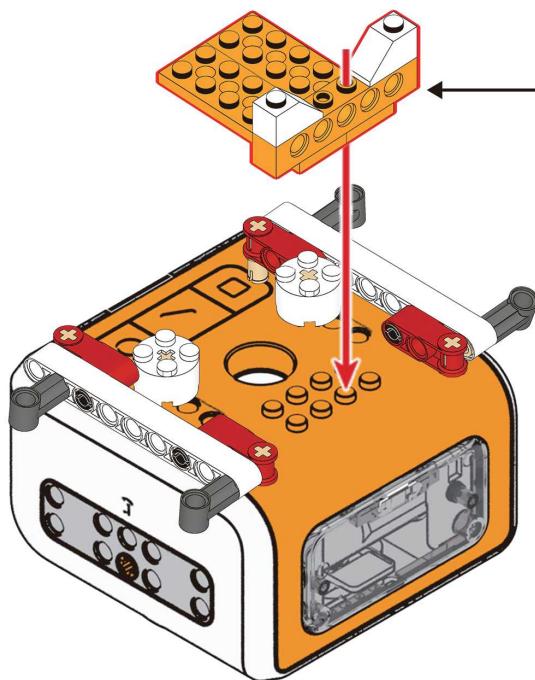


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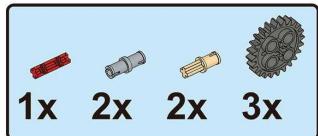




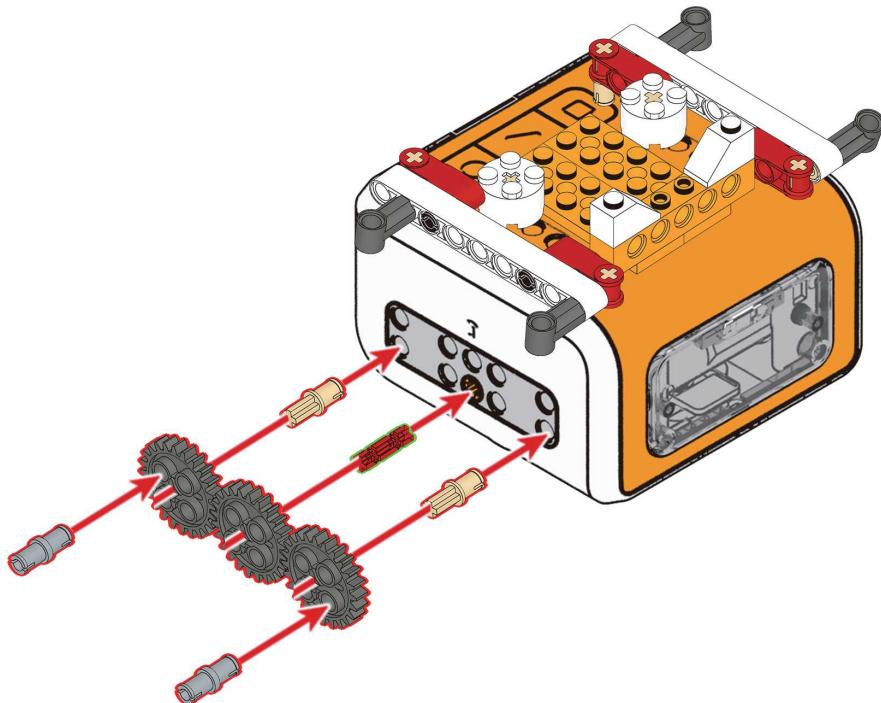
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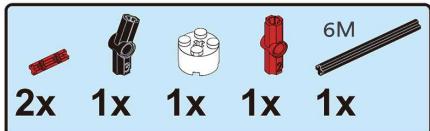


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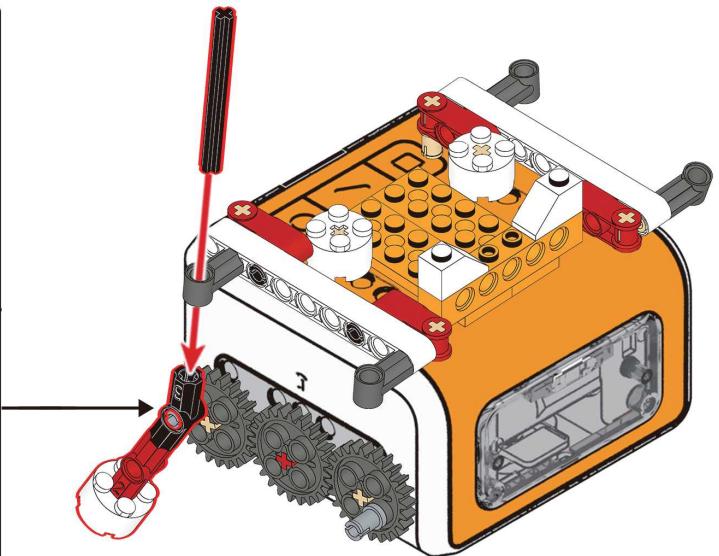
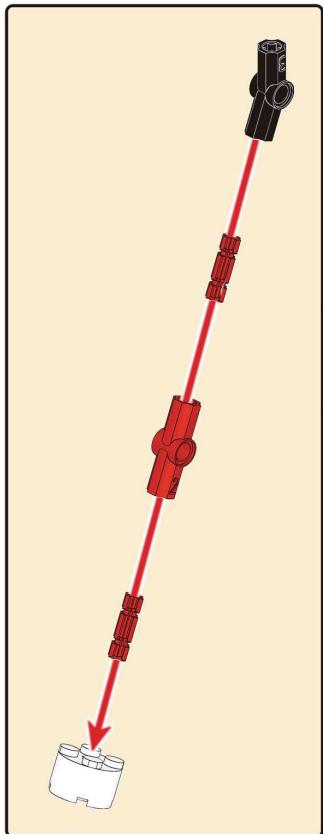


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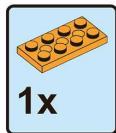




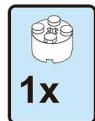
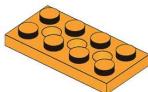
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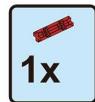
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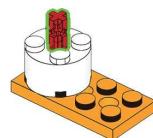
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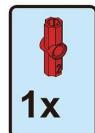
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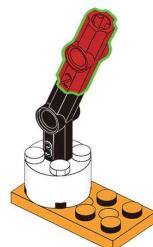
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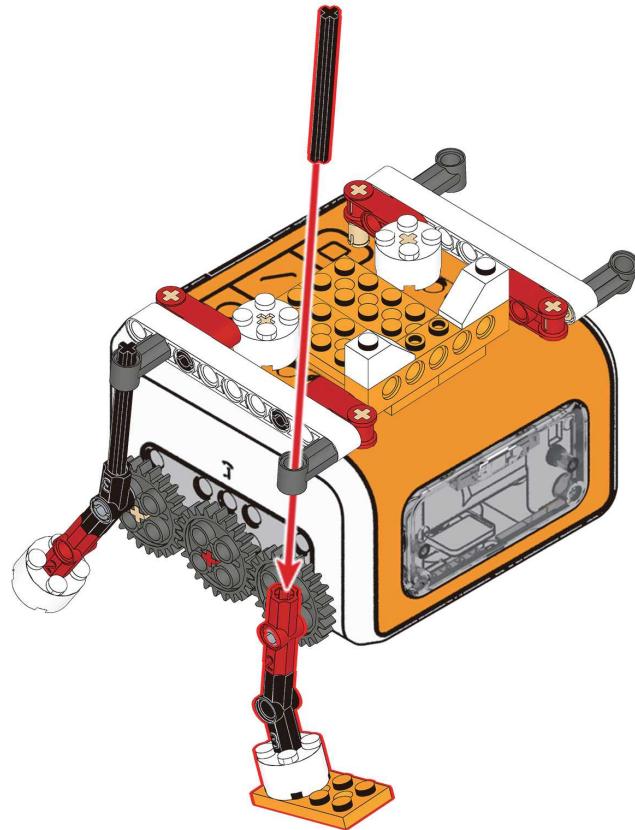


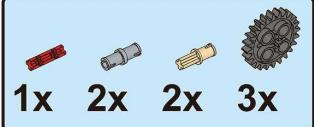
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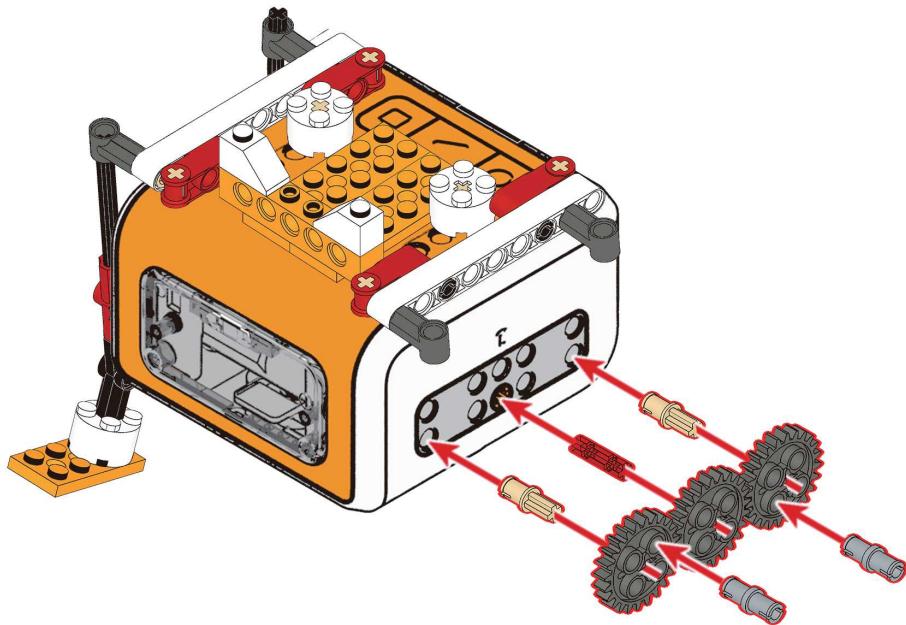


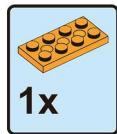
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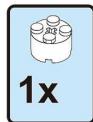
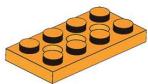


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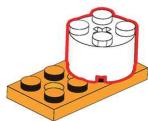




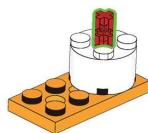
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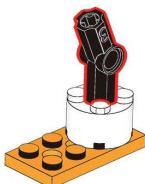
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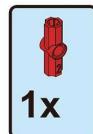
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30



31



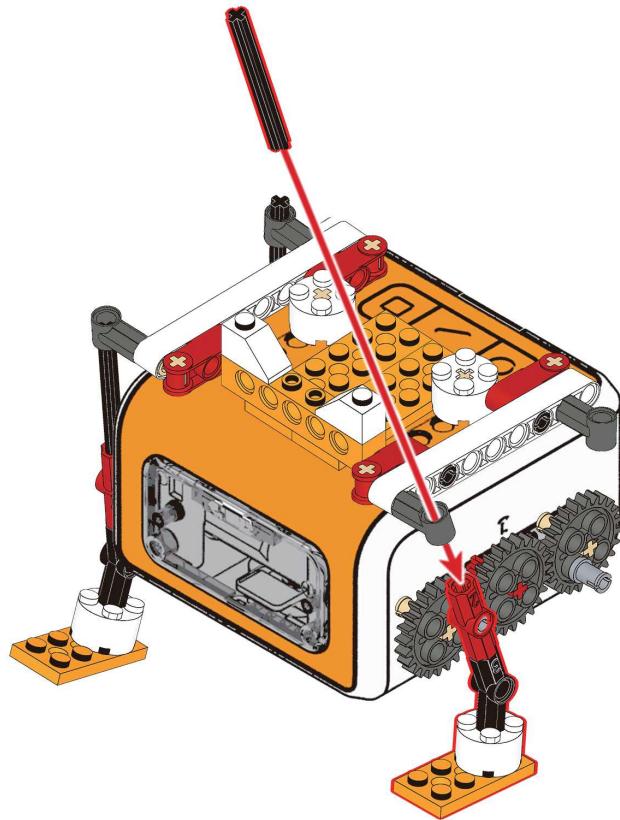
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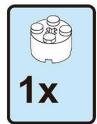
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33



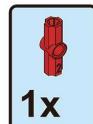
12



34



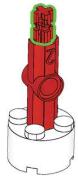
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36



37



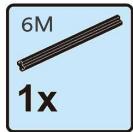
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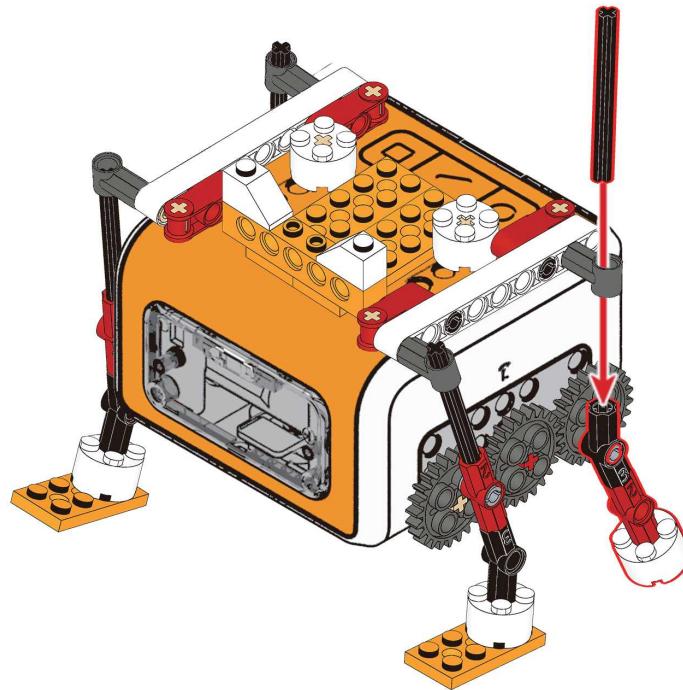
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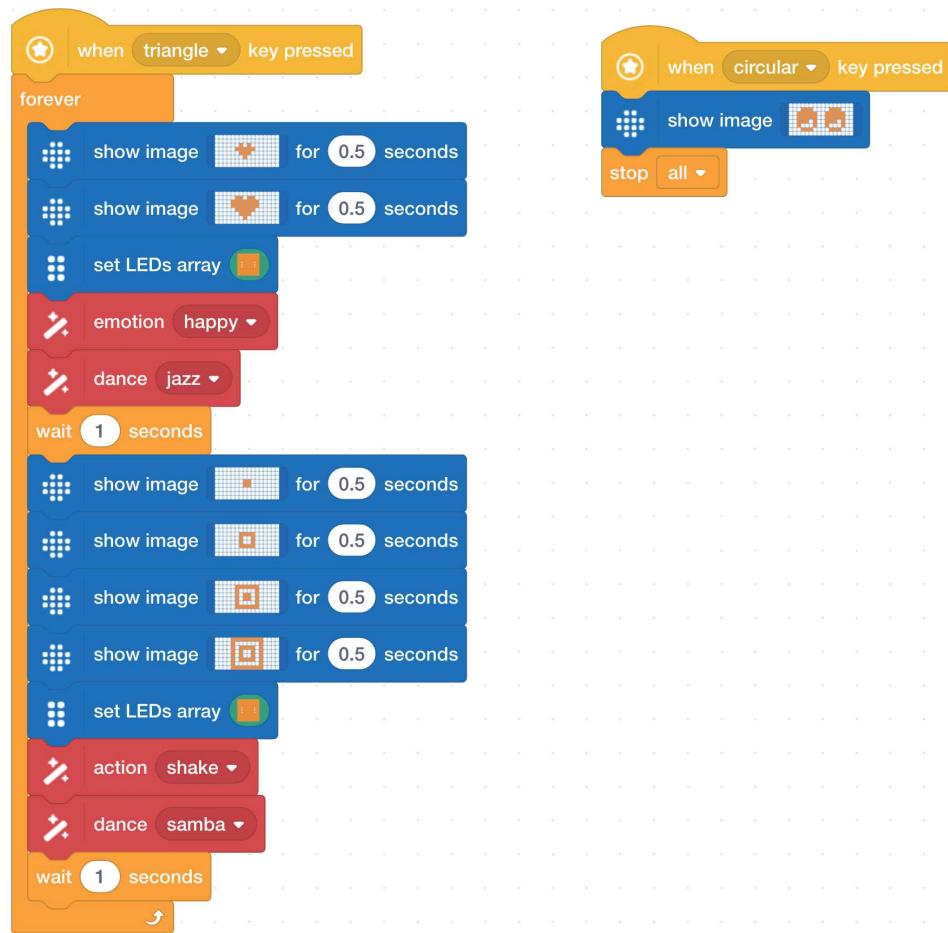
13



40

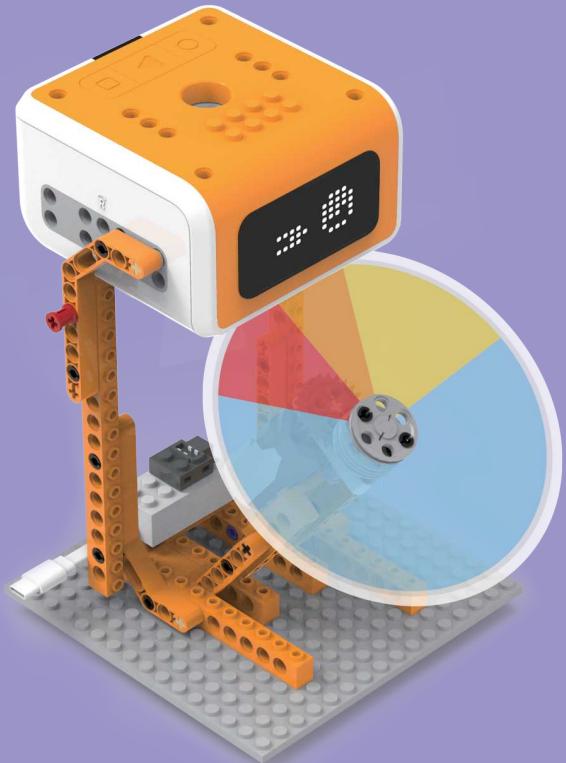


Demo Program

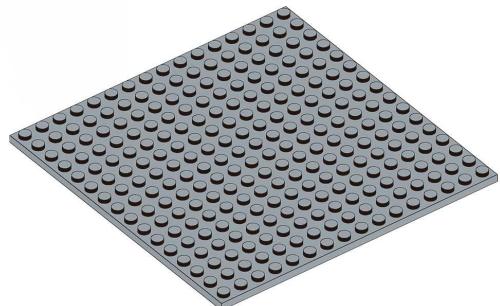
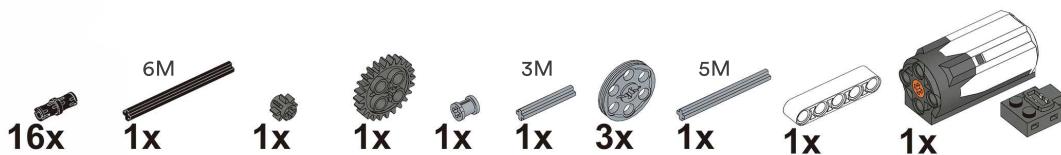


Case 12

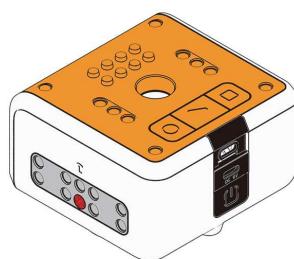
Wheel of Fortune



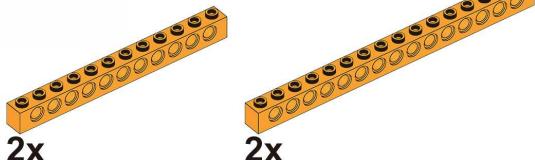
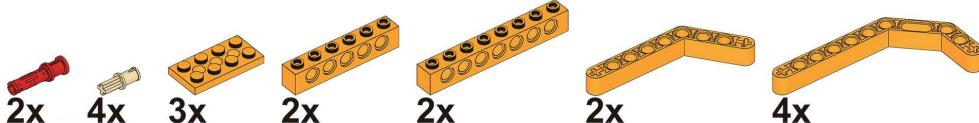
Parts List



1x



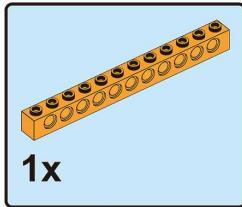
1x



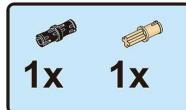
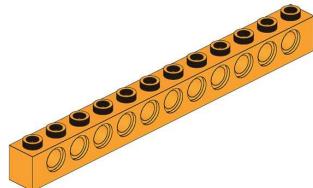
2x



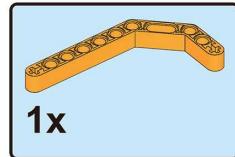
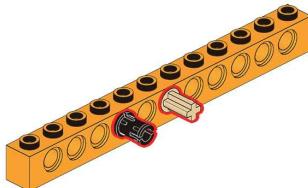
4x 1x



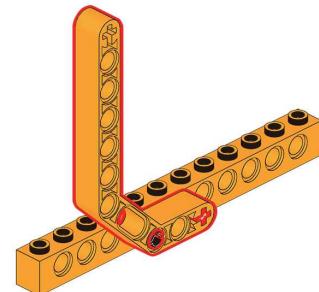
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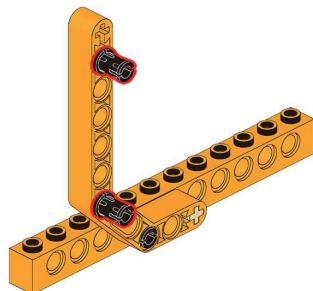
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3



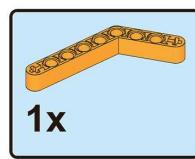
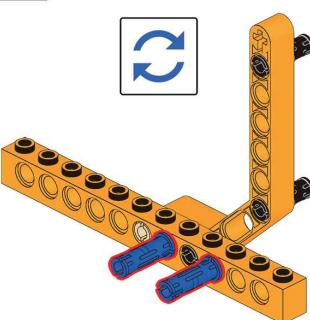
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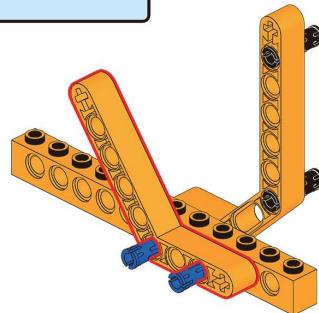
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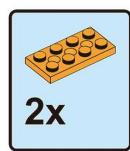
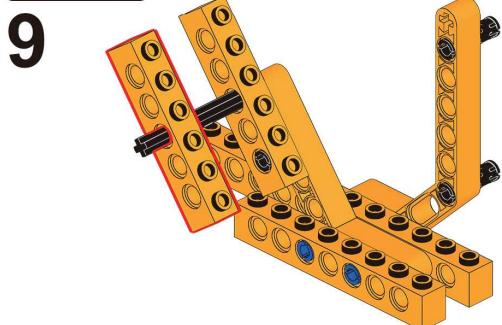
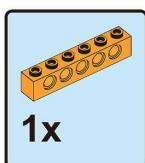
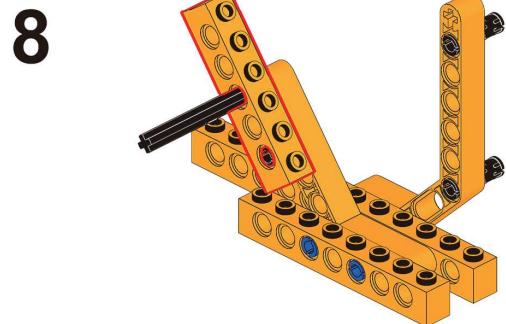
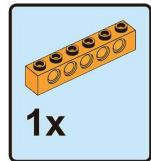
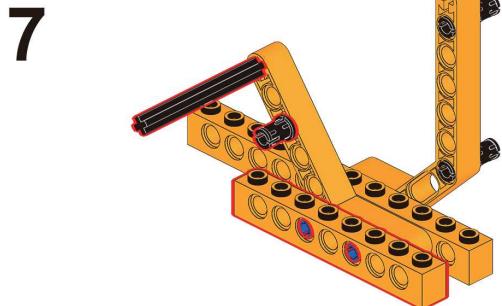
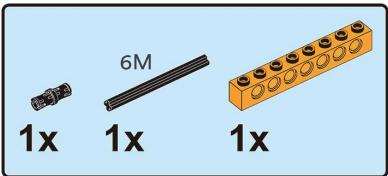


5



6

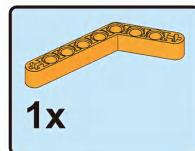
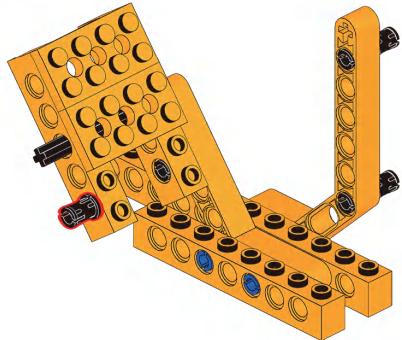




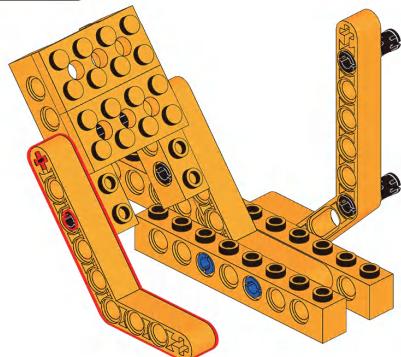
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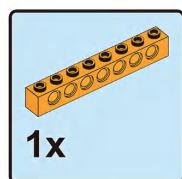
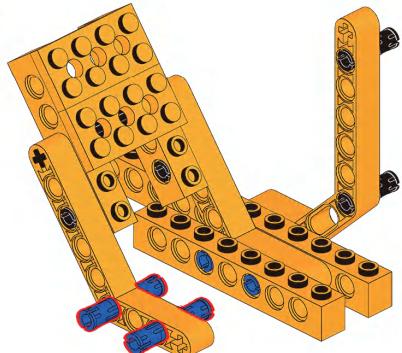
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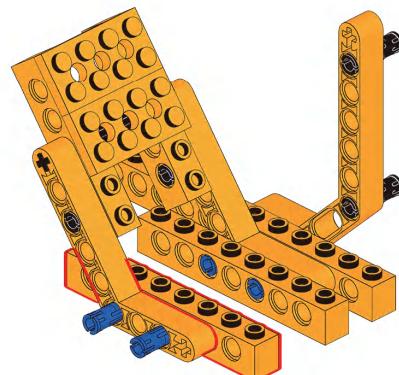
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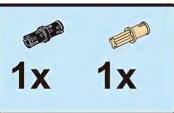
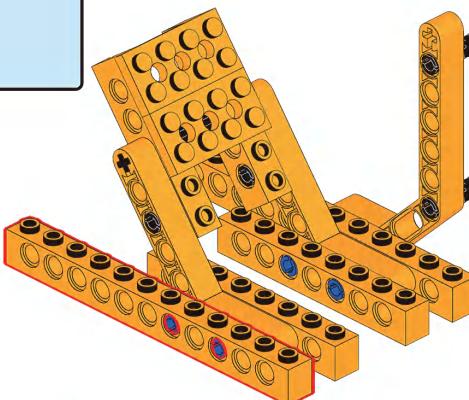
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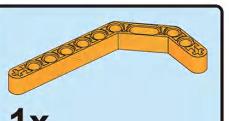
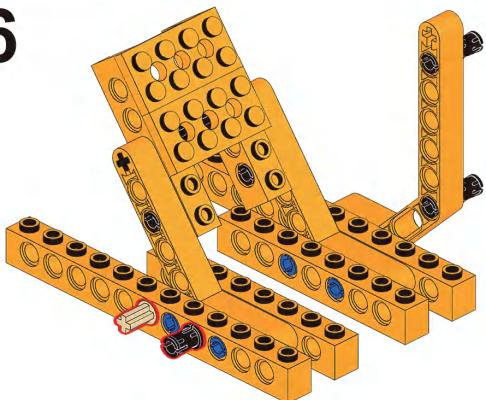
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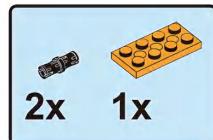
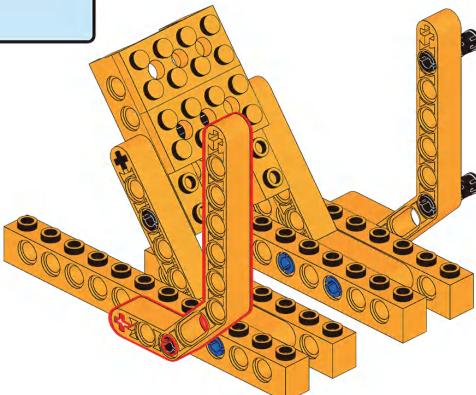
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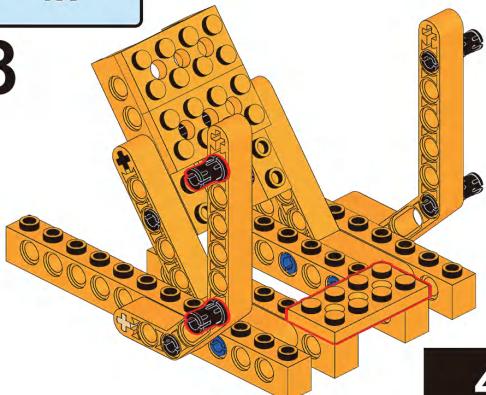
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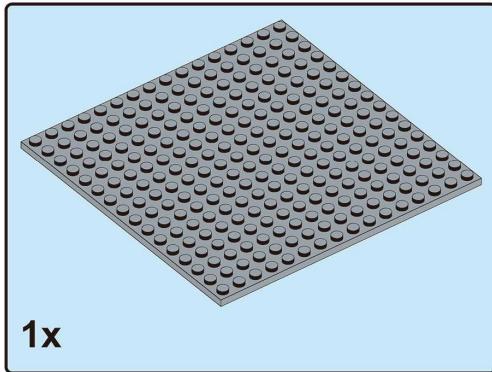


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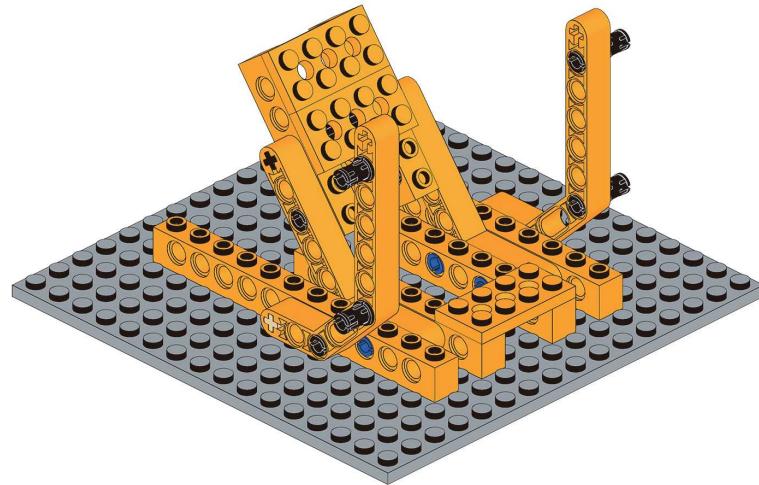
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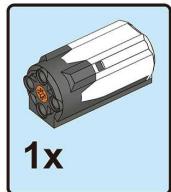


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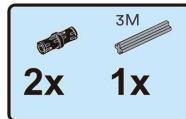
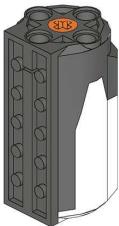
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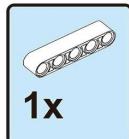
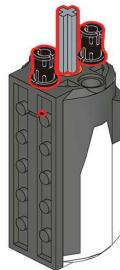
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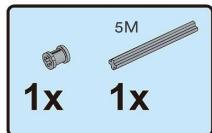
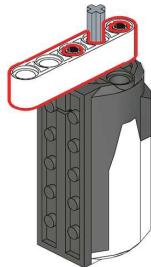
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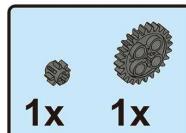
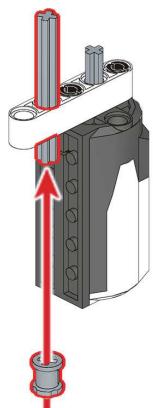
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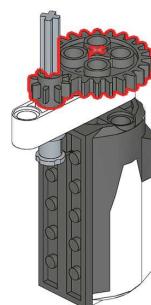
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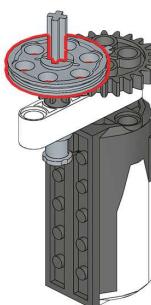
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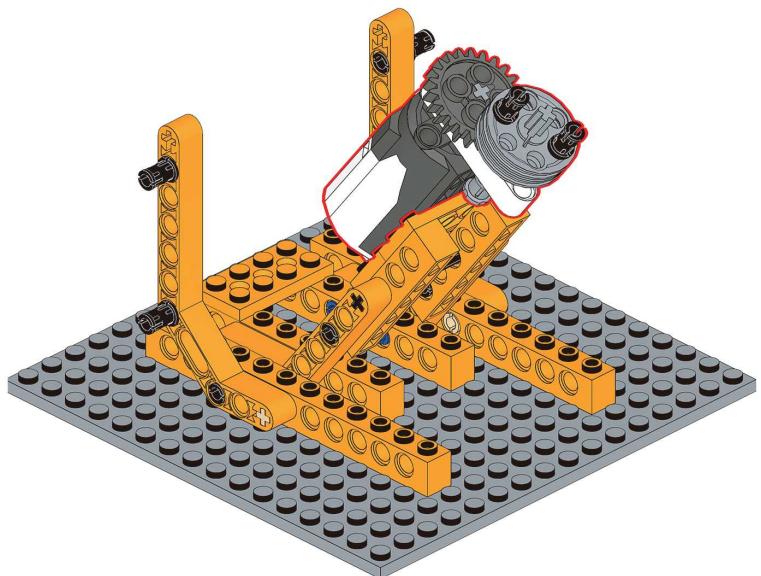
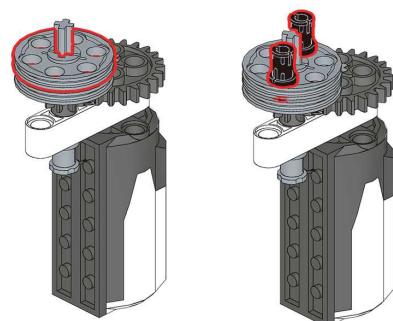


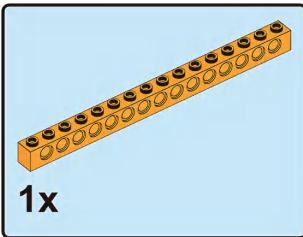
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27

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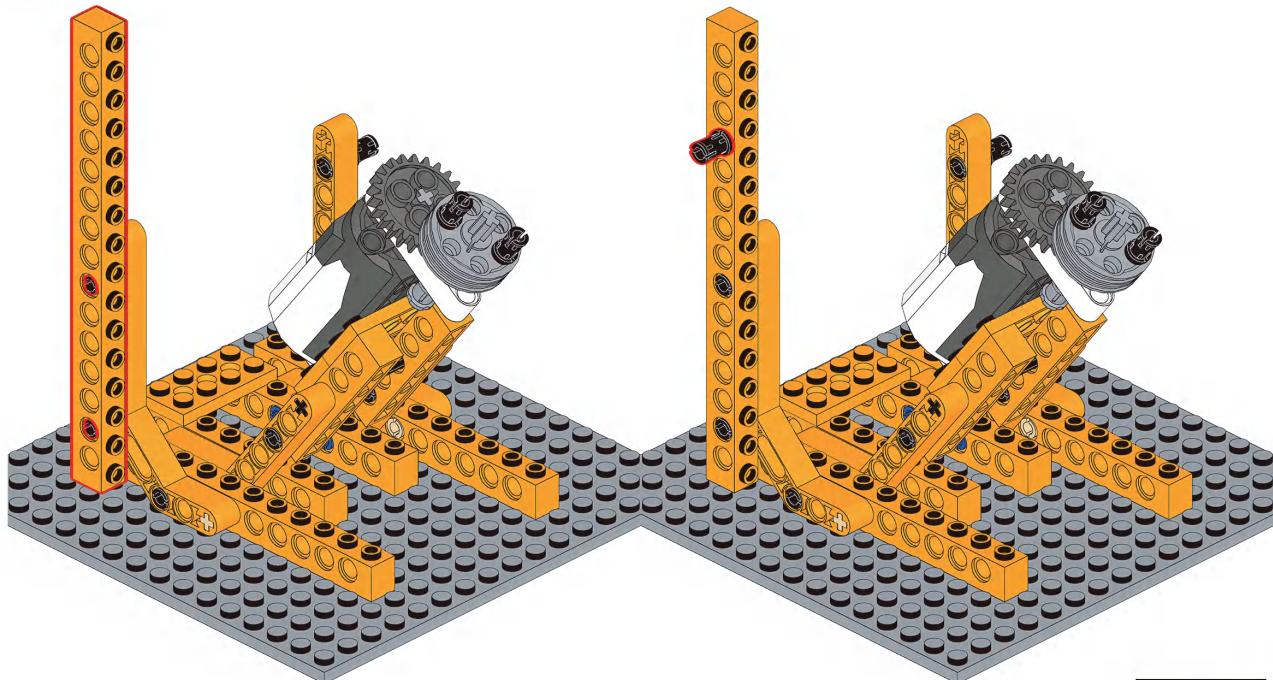




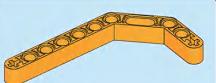
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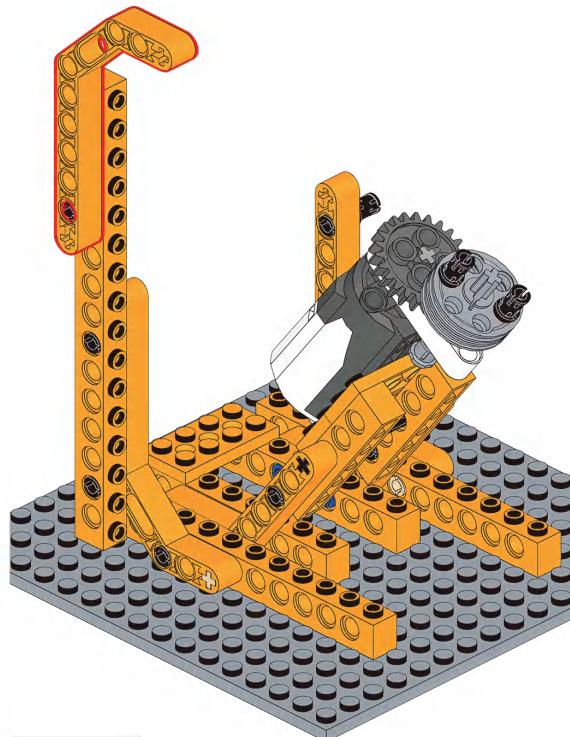


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31



9

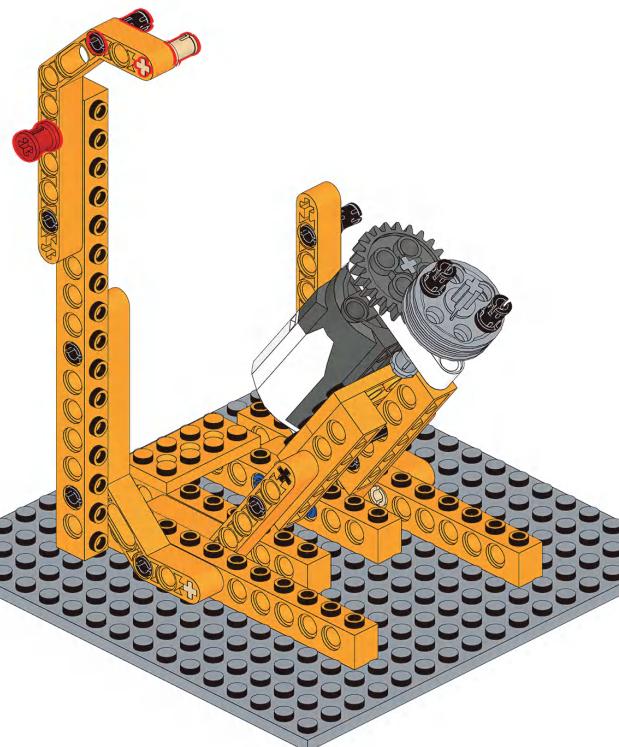


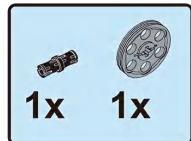
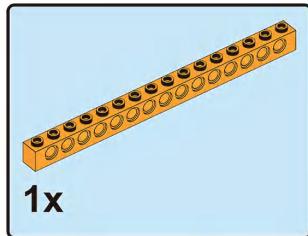
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1x

1x

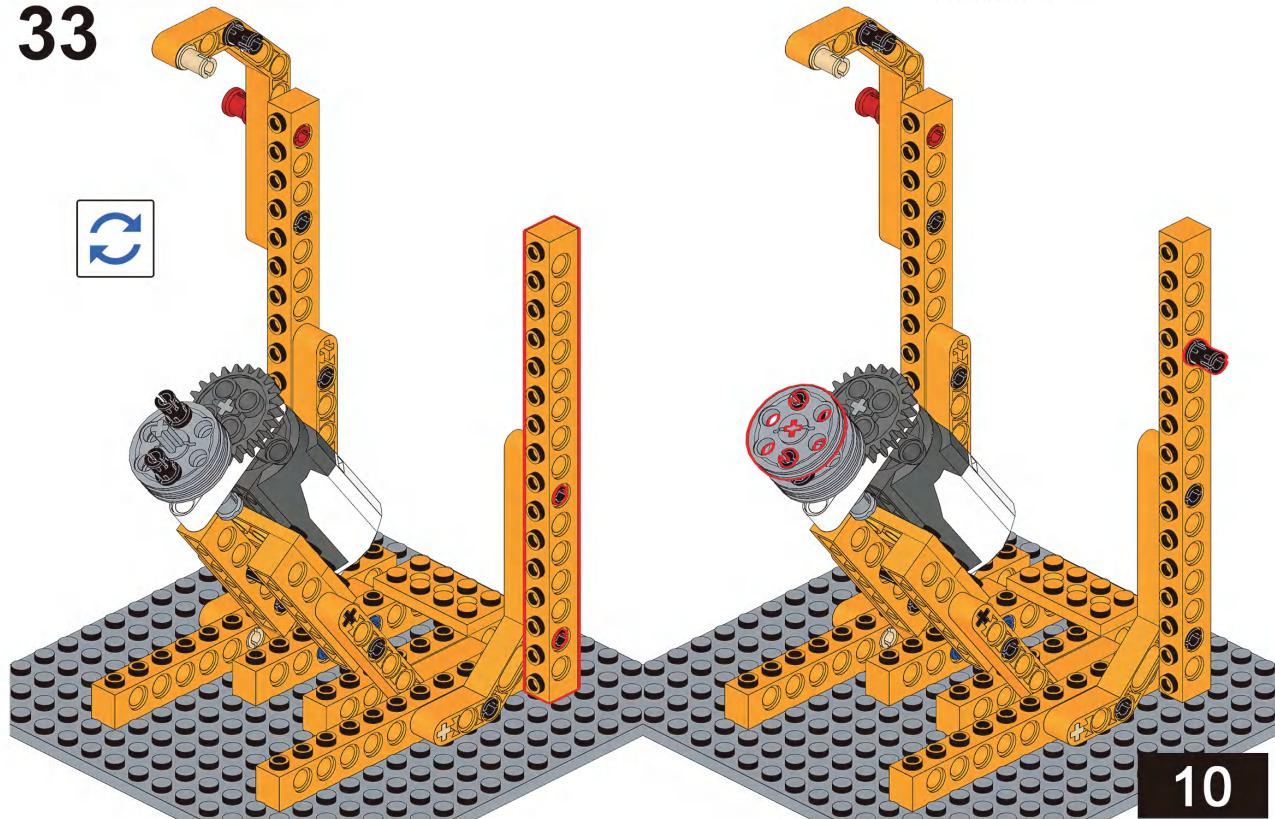
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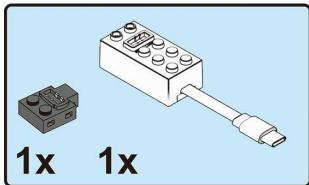


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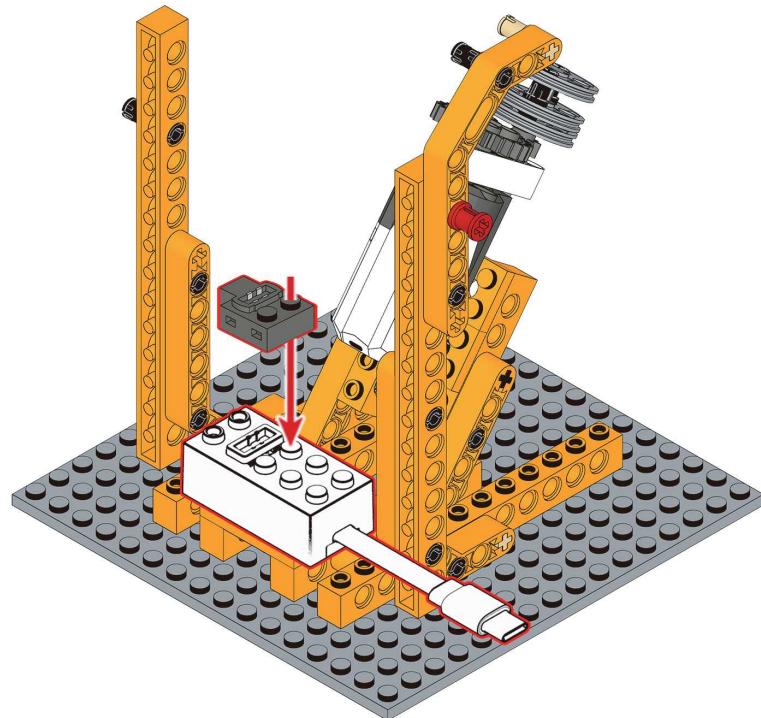
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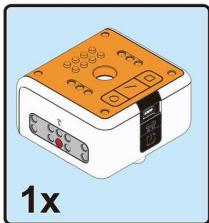


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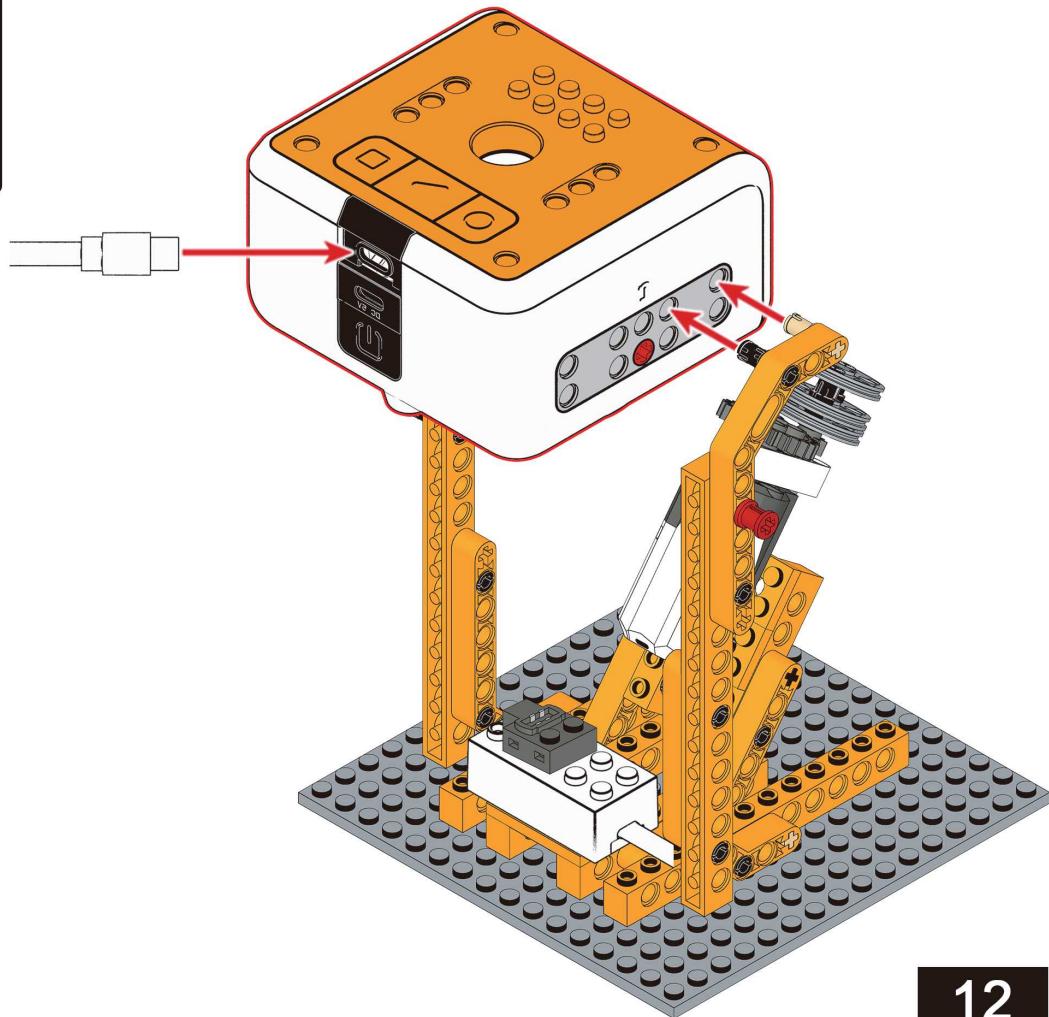


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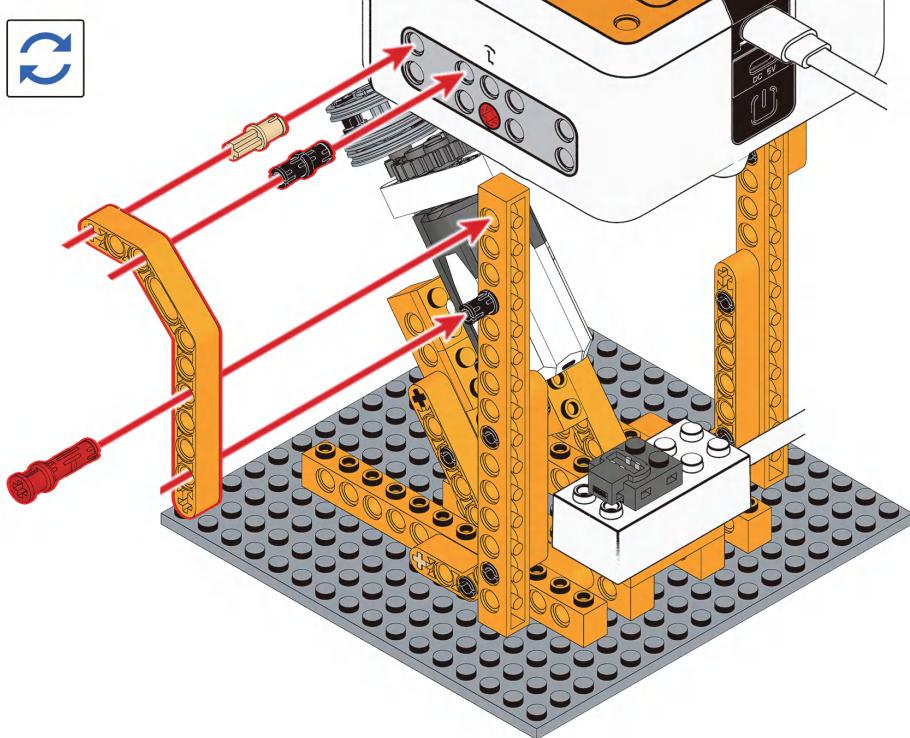
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12

 1x  1x  1x  1x

37



13

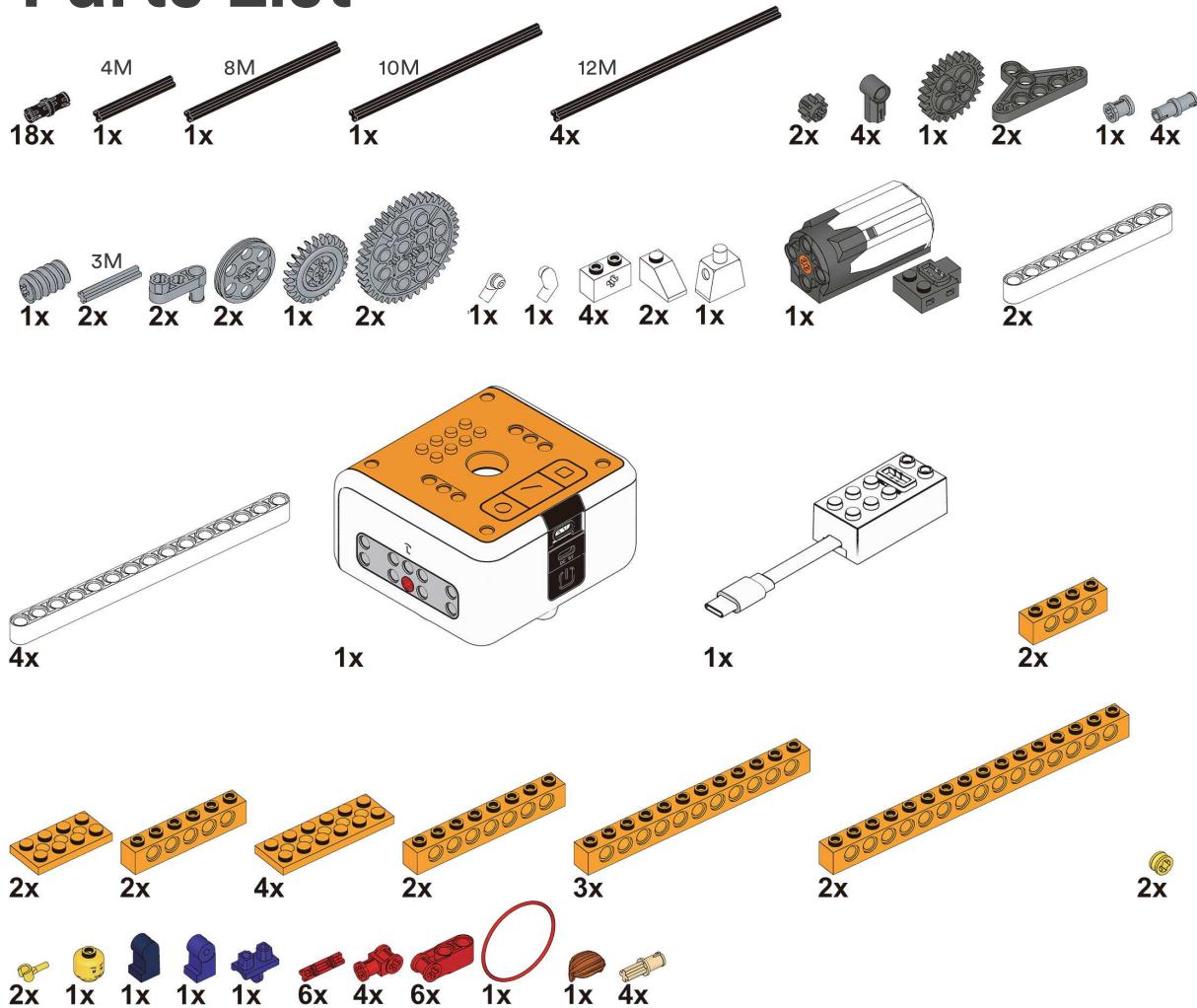
Demo Program

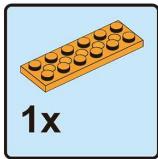


Case 13 Flying Chair Ride

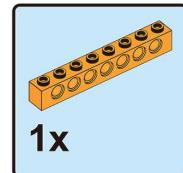
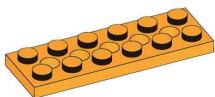


Parts List

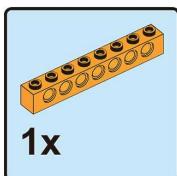
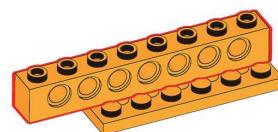




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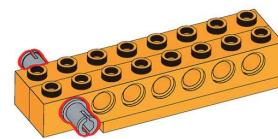
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3



4

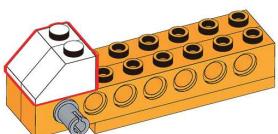


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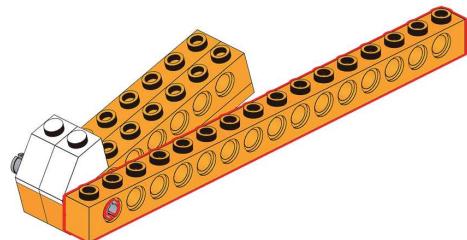
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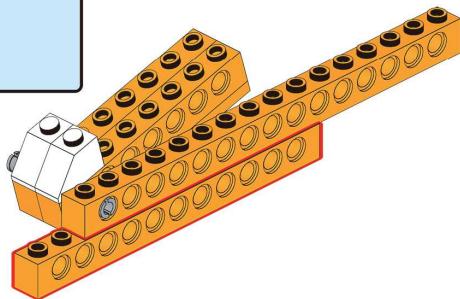
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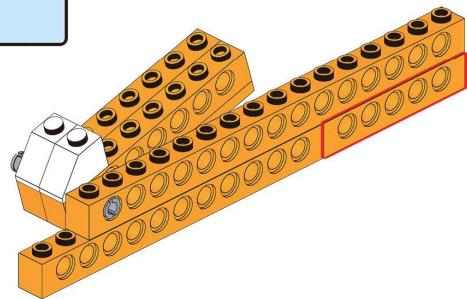


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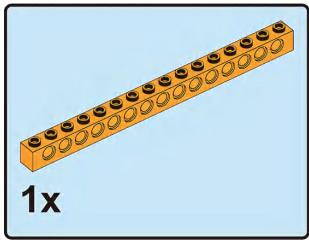
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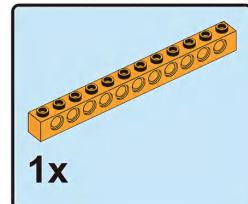
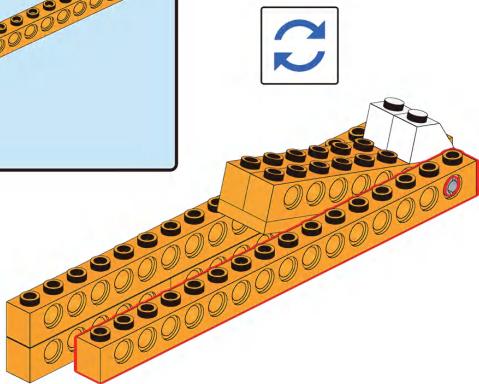
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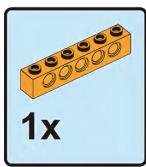
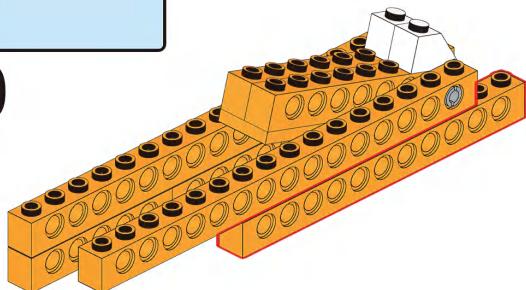
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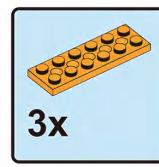
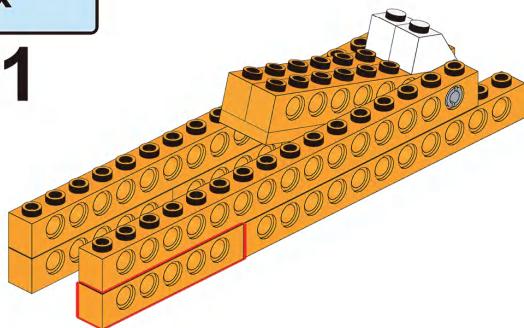
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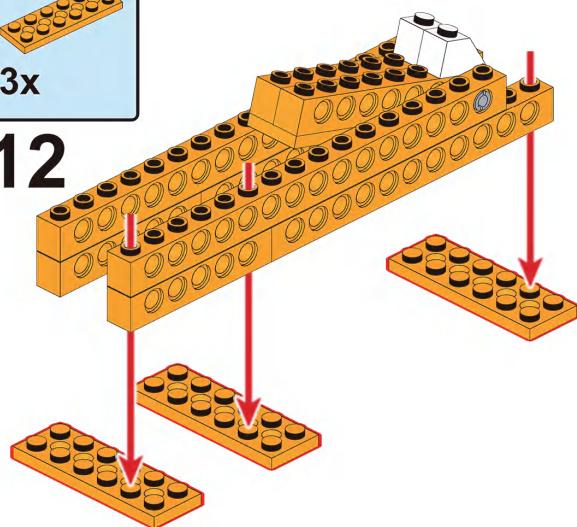
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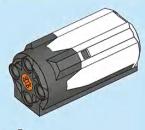
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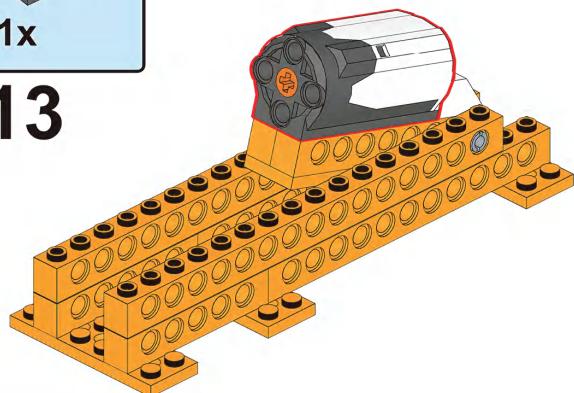


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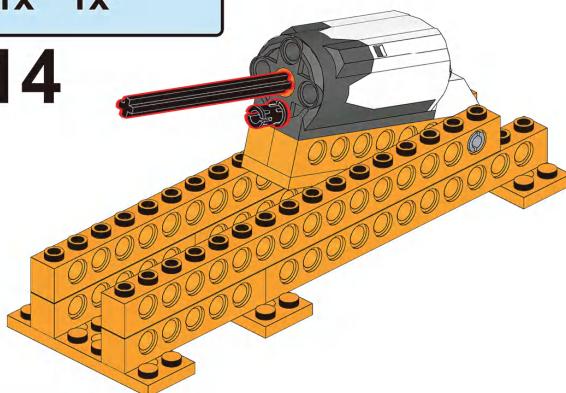
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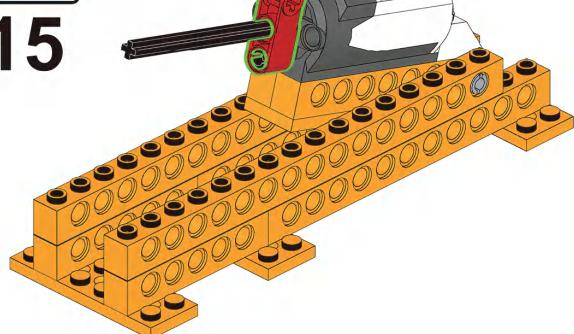
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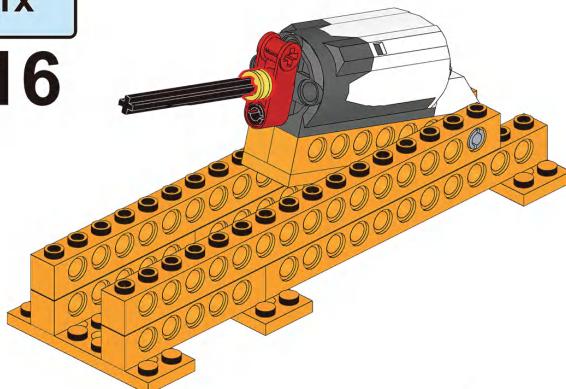
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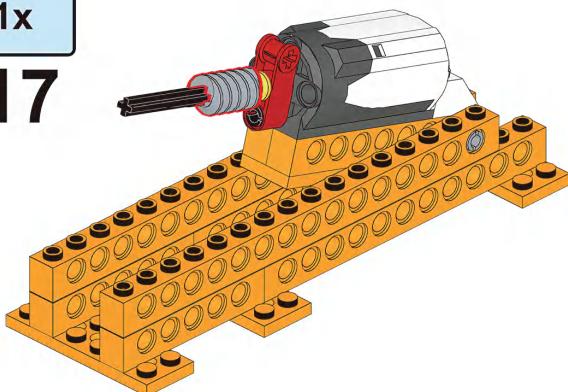
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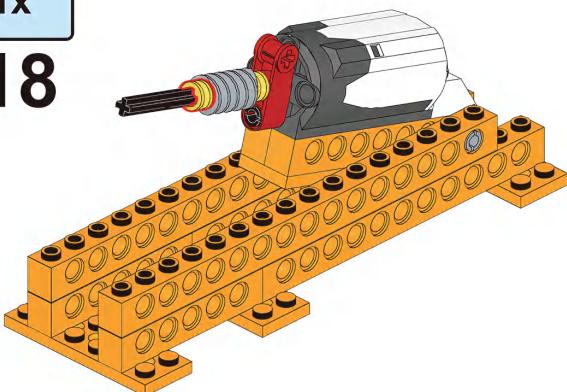




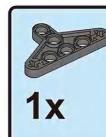
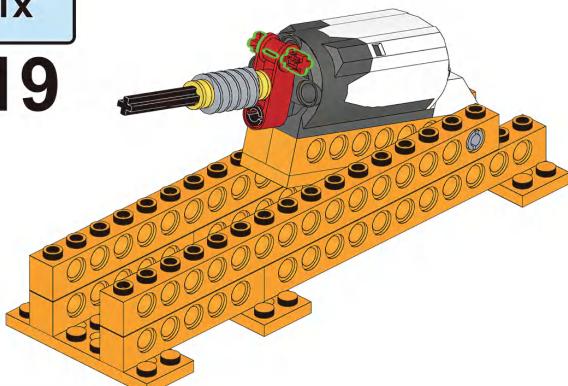
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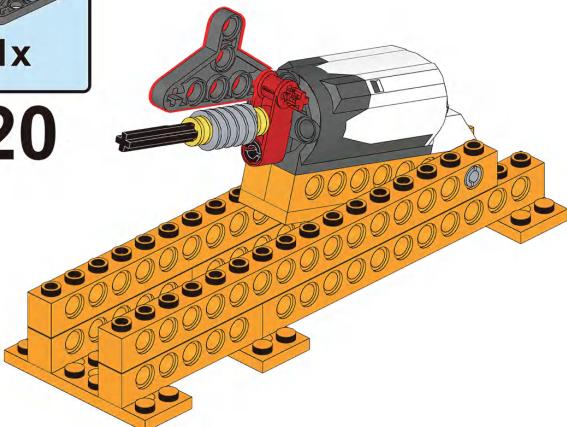
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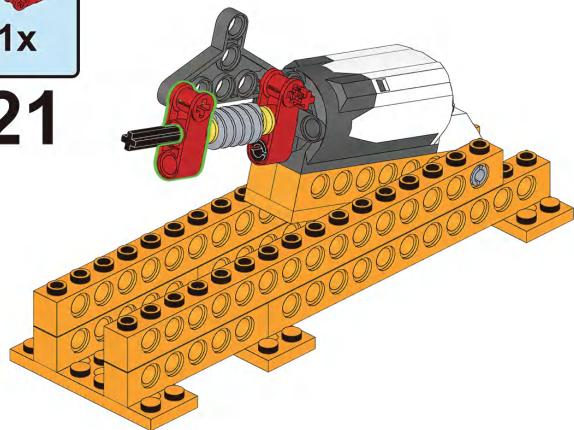
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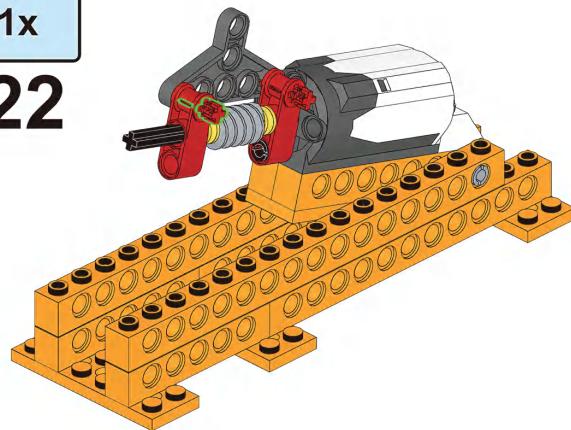
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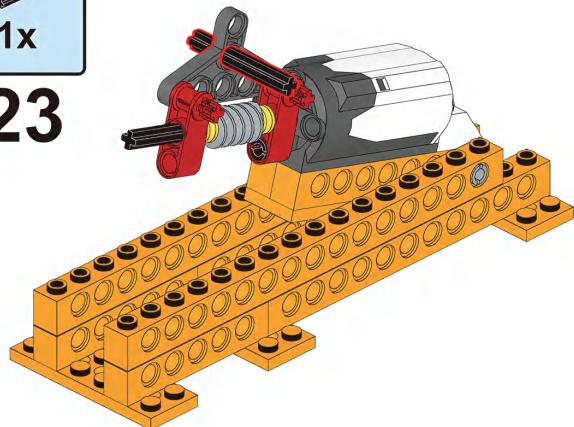
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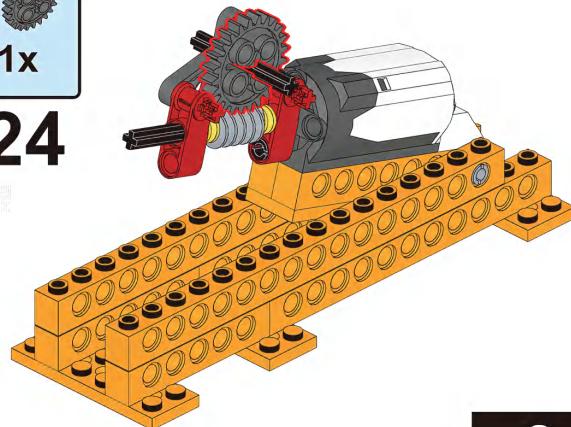
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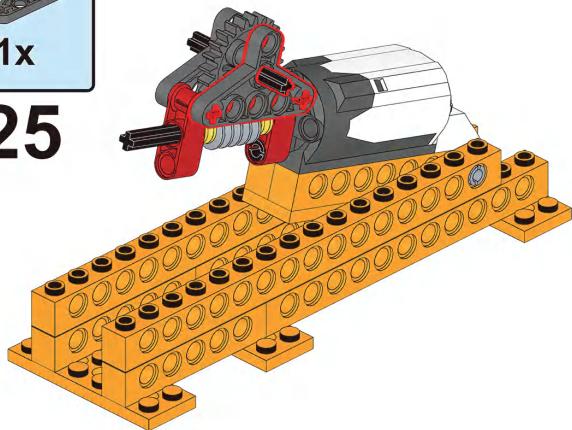


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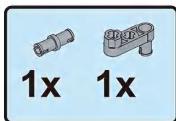
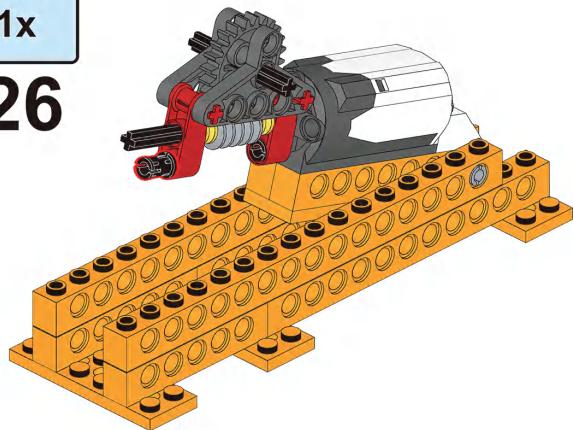




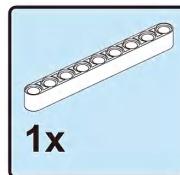
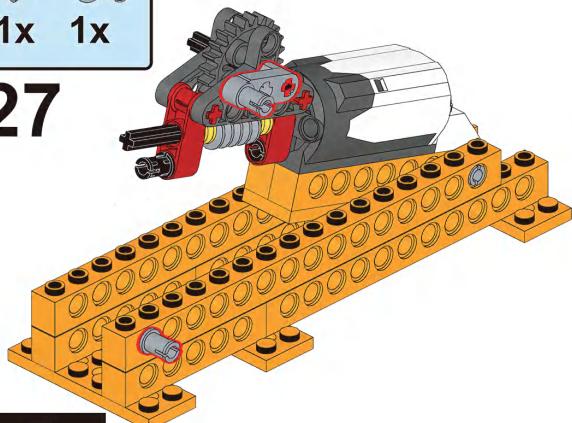
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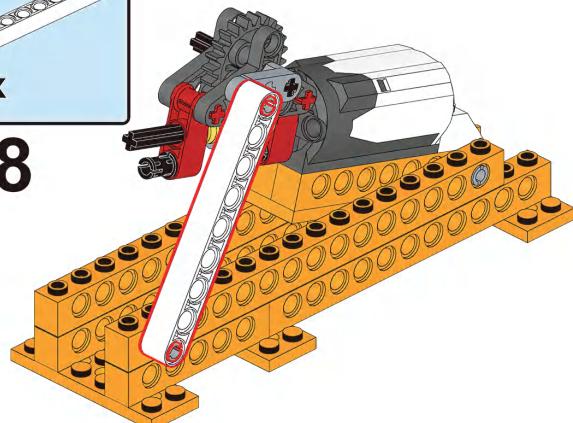
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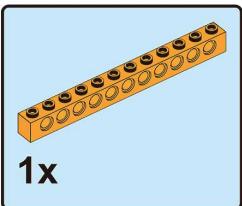
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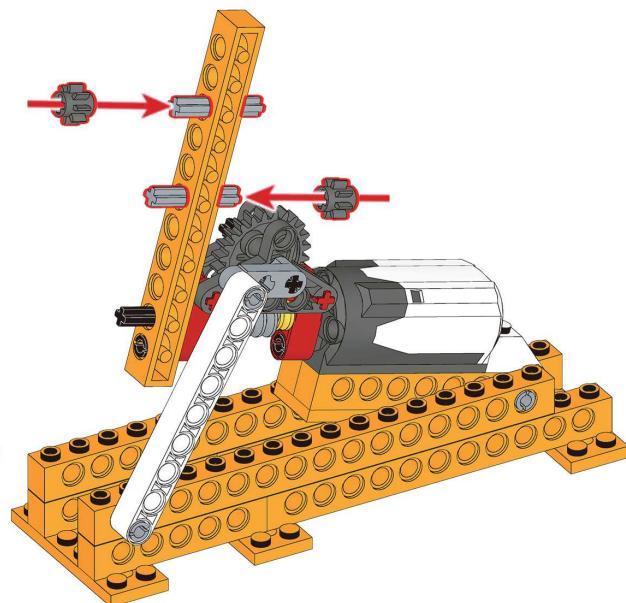
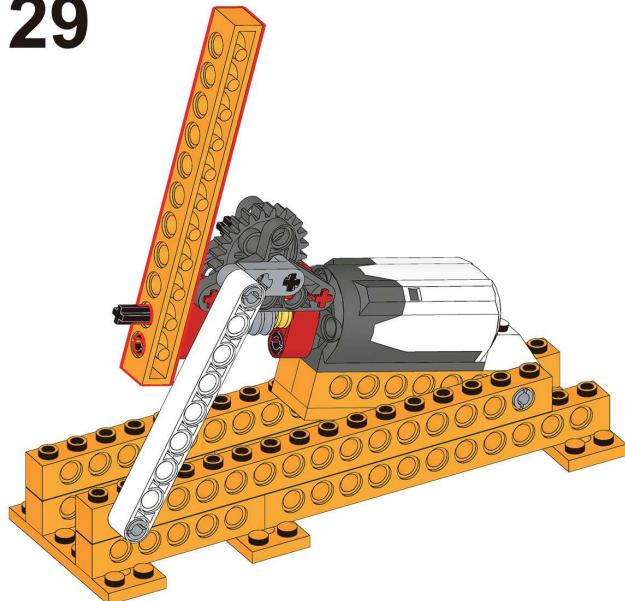
7



3M
2x 2x

30

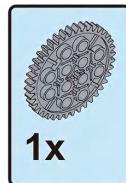
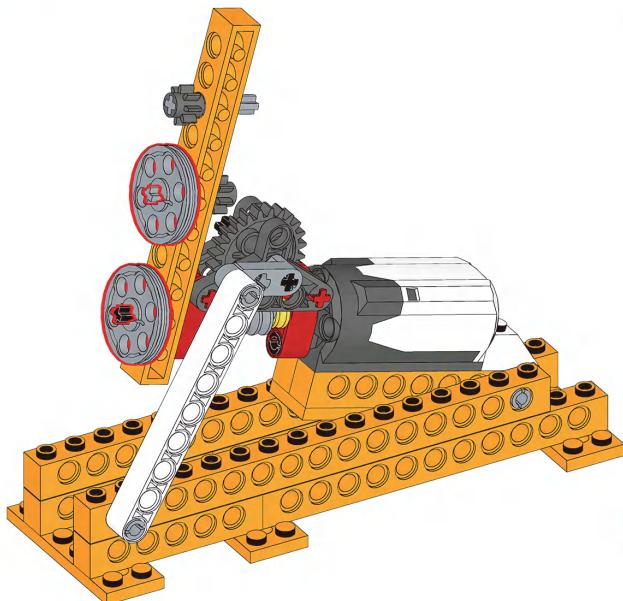
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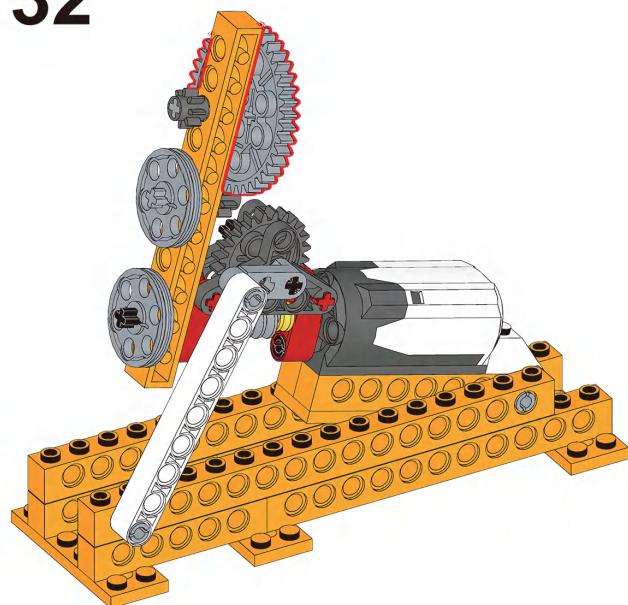
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31



1x

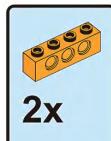
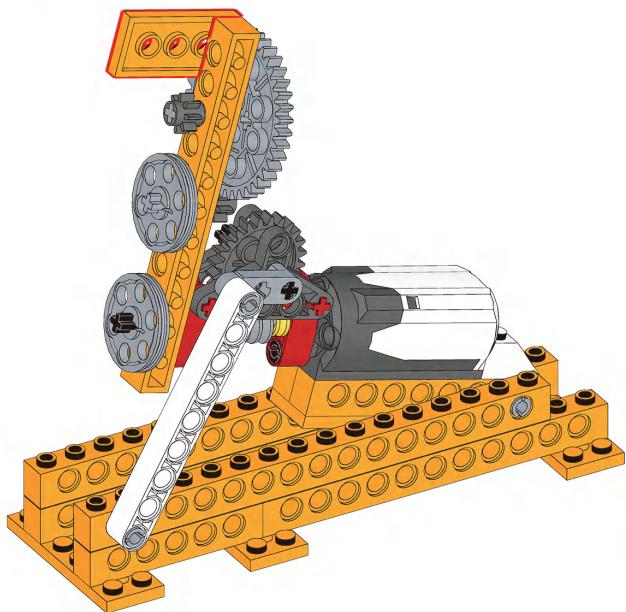
32





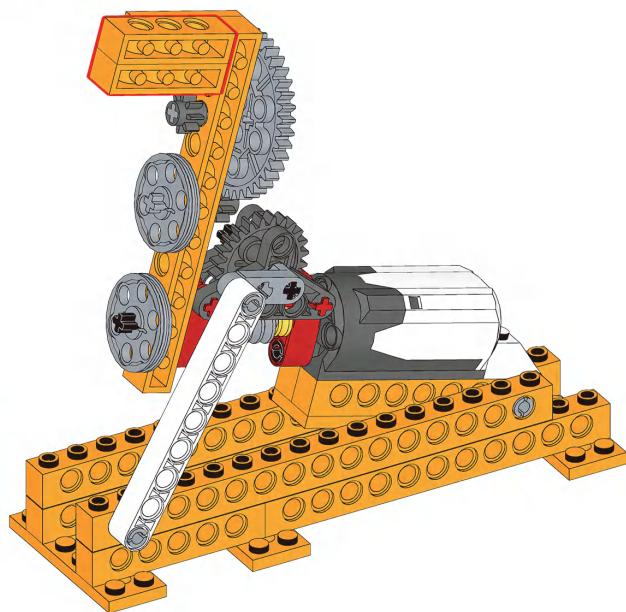
1x

33



2x

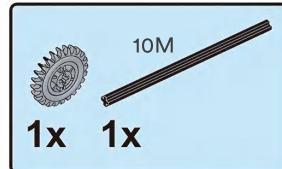
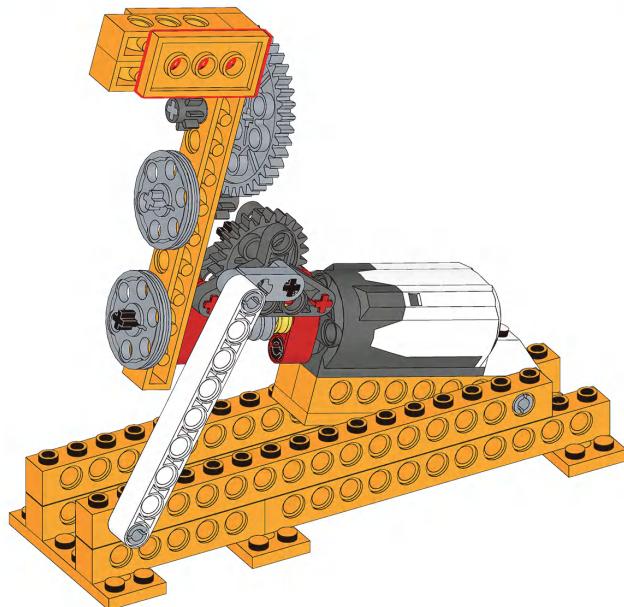
34





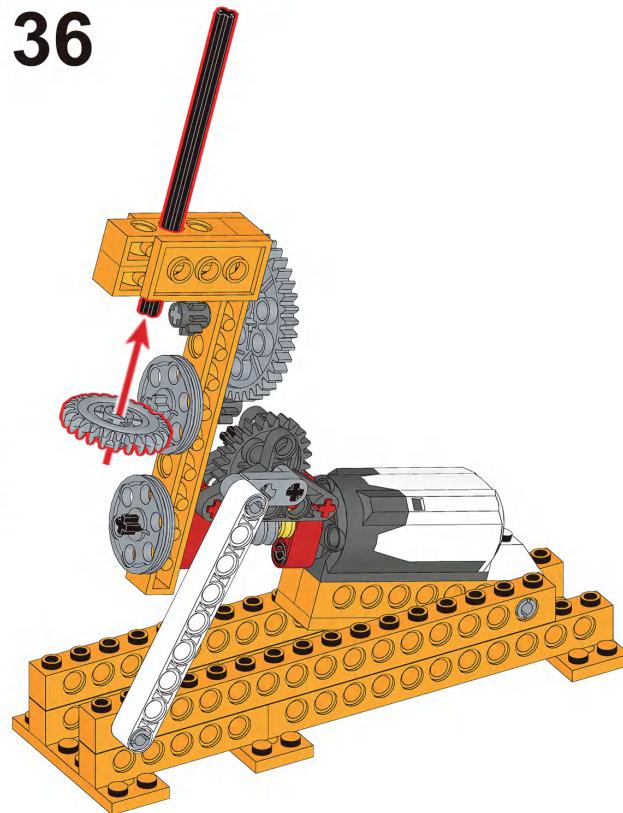
1x

35



1x 1x

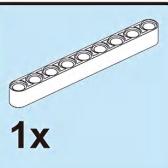
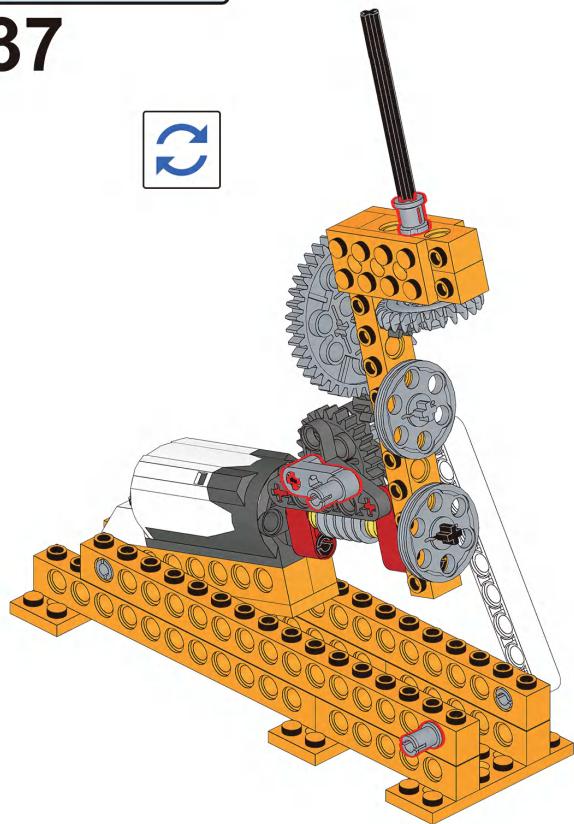
36



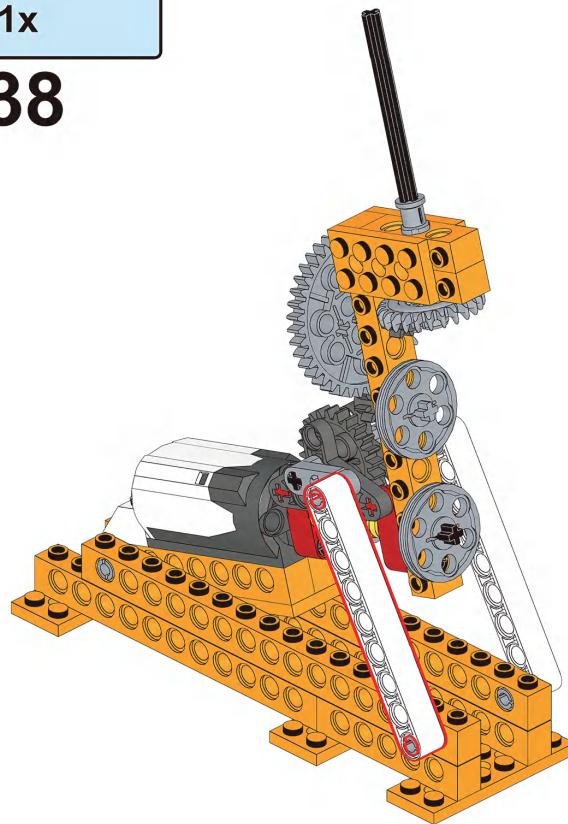
11



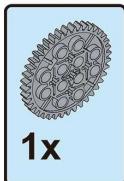
37



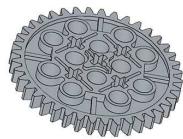
38



12



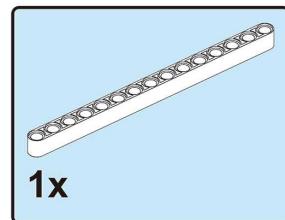
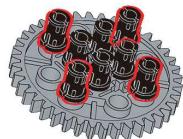
39



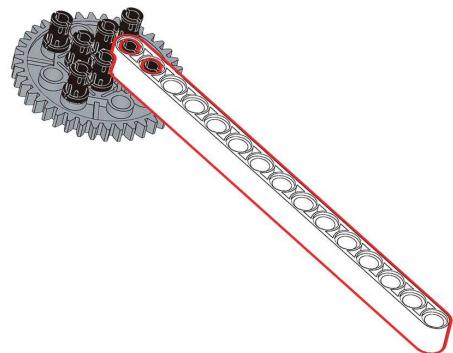
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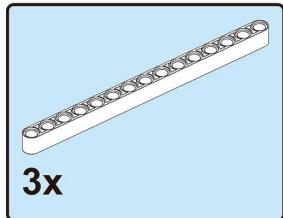
41



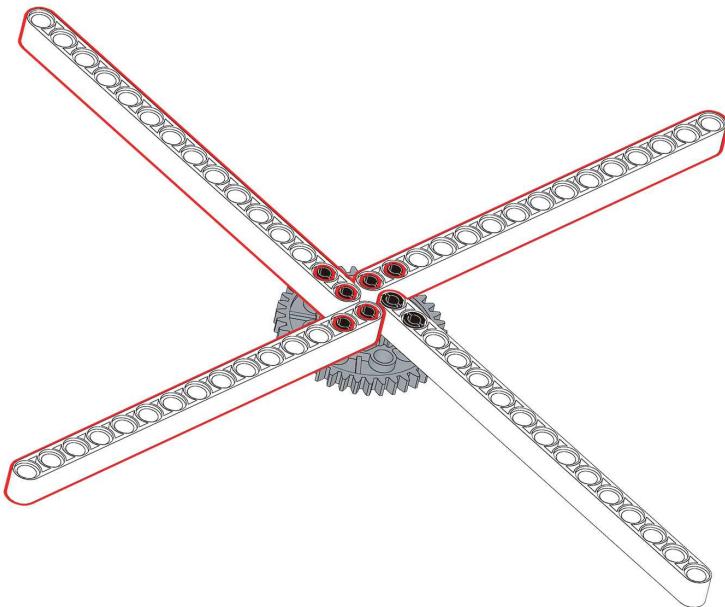
42



13



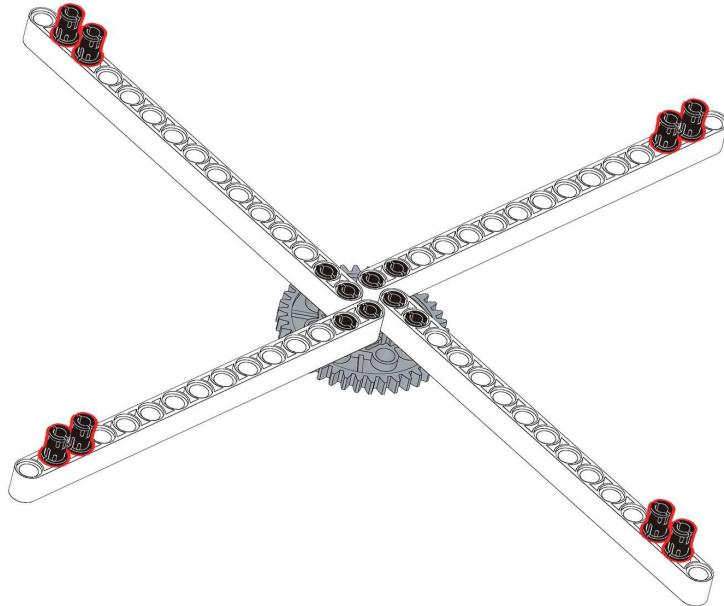
43



14



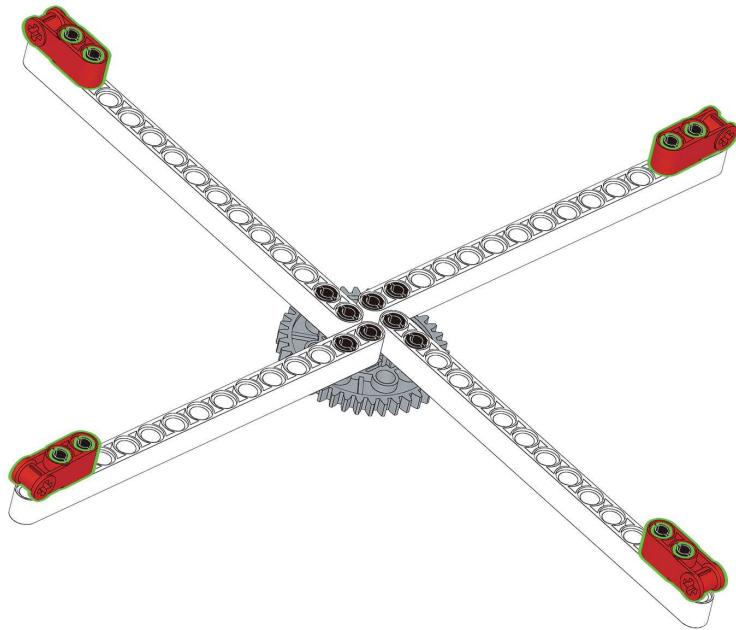
44



15



45

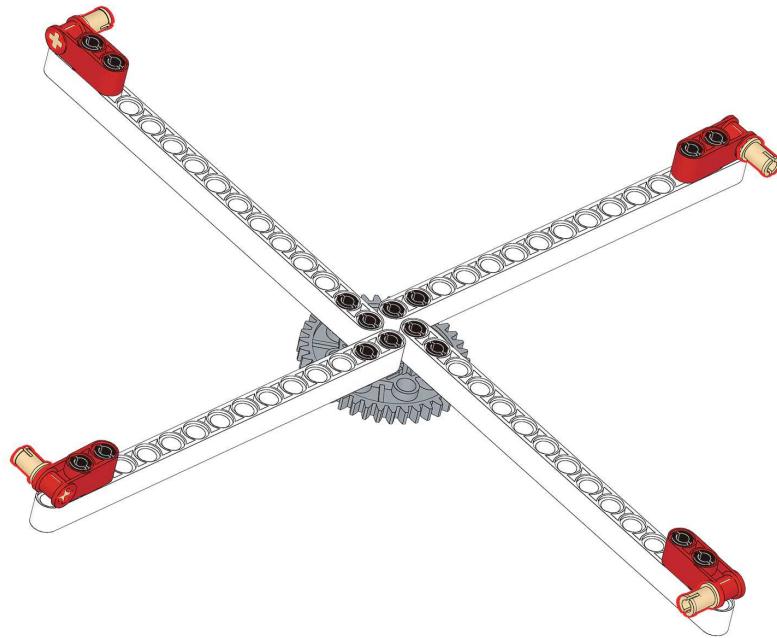


16

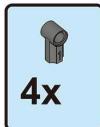


4x

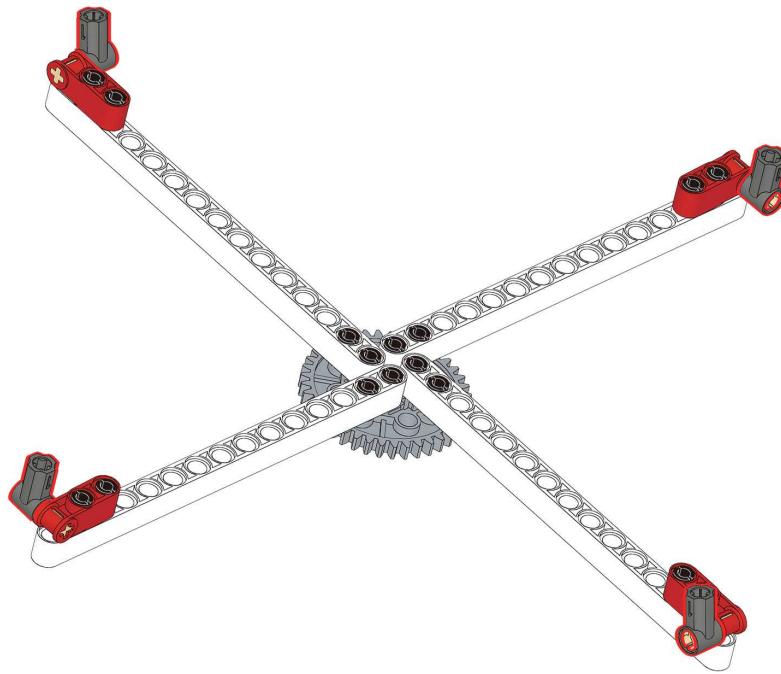
46



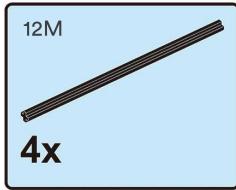
17



47



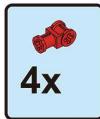
18



48



19



49



20

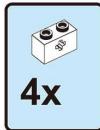


4x

50



21

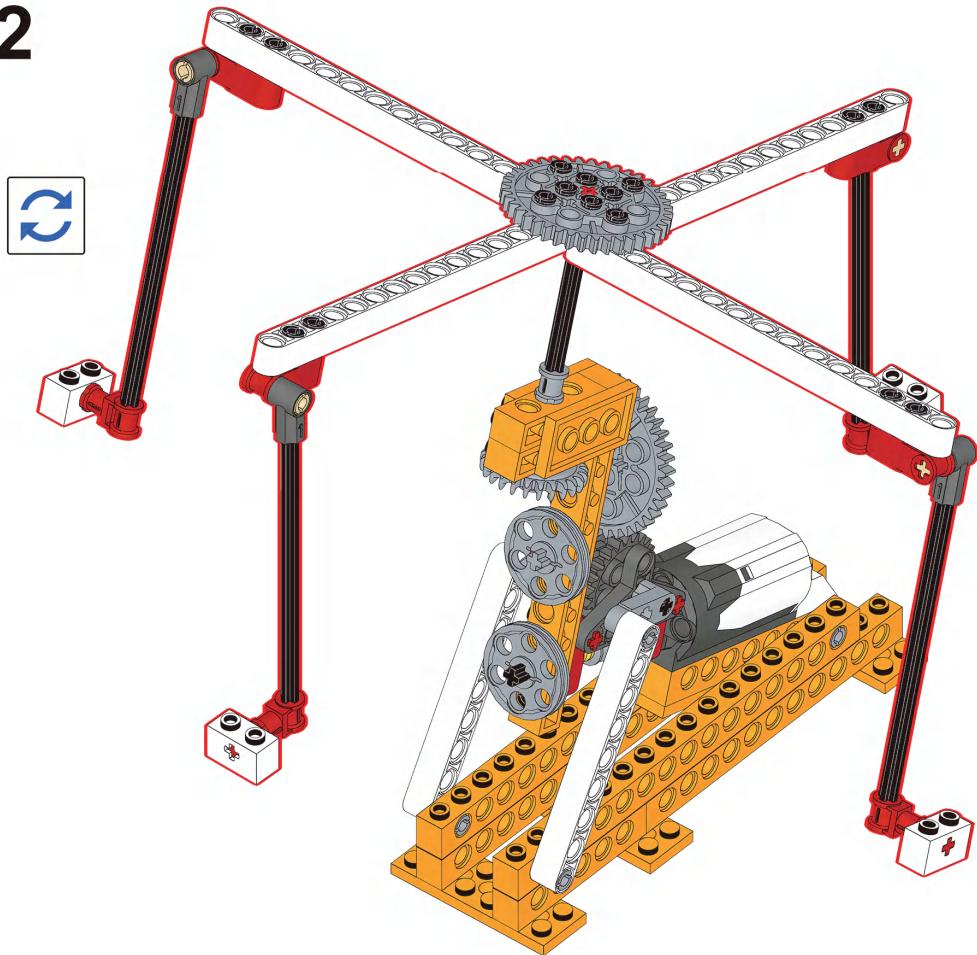


51



22

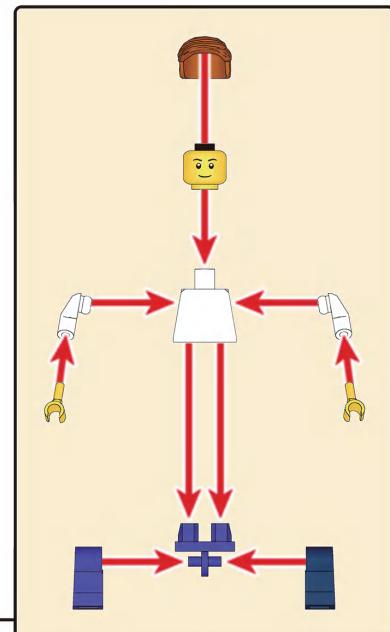
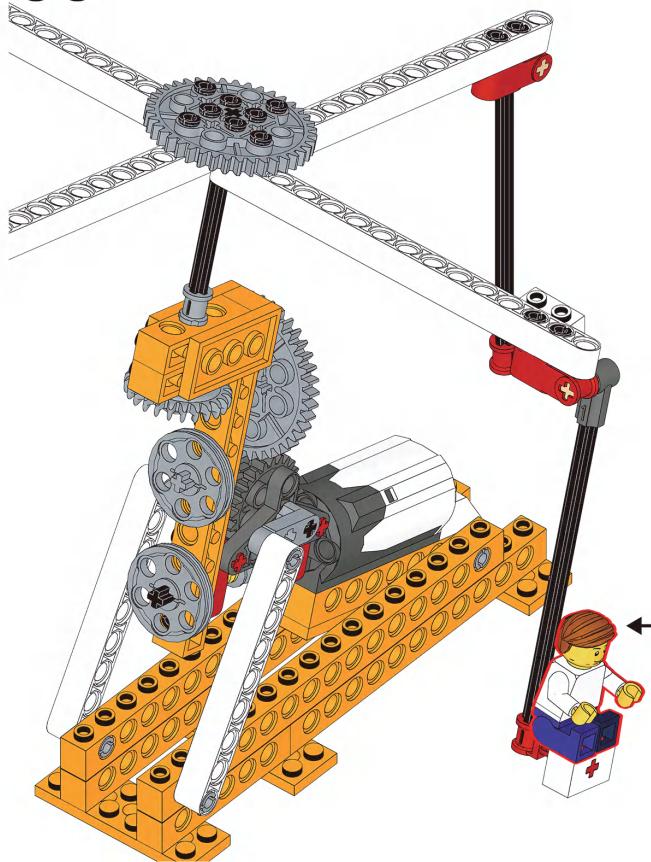
52



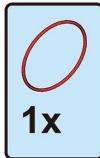
23



53



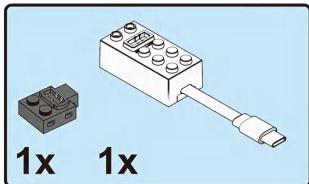
24



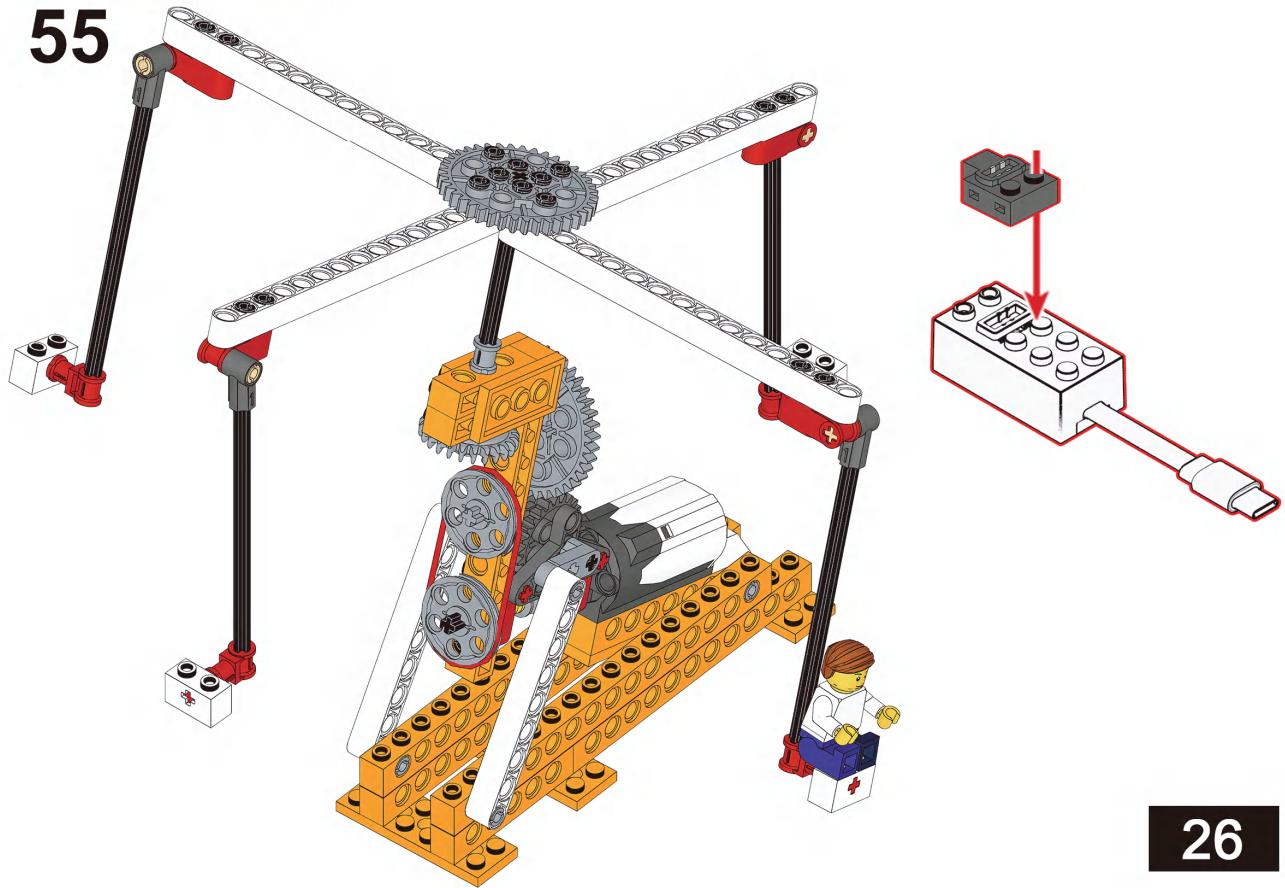
54



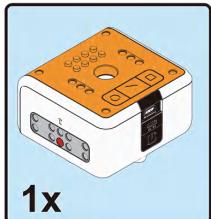
25



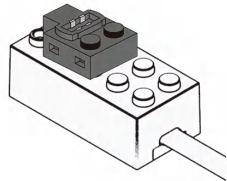
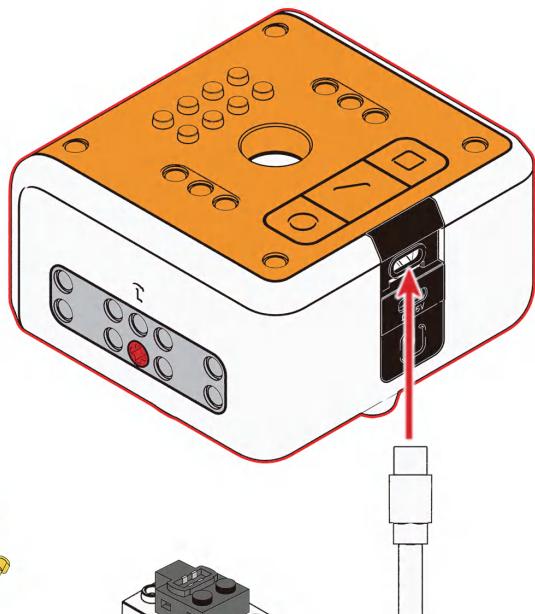
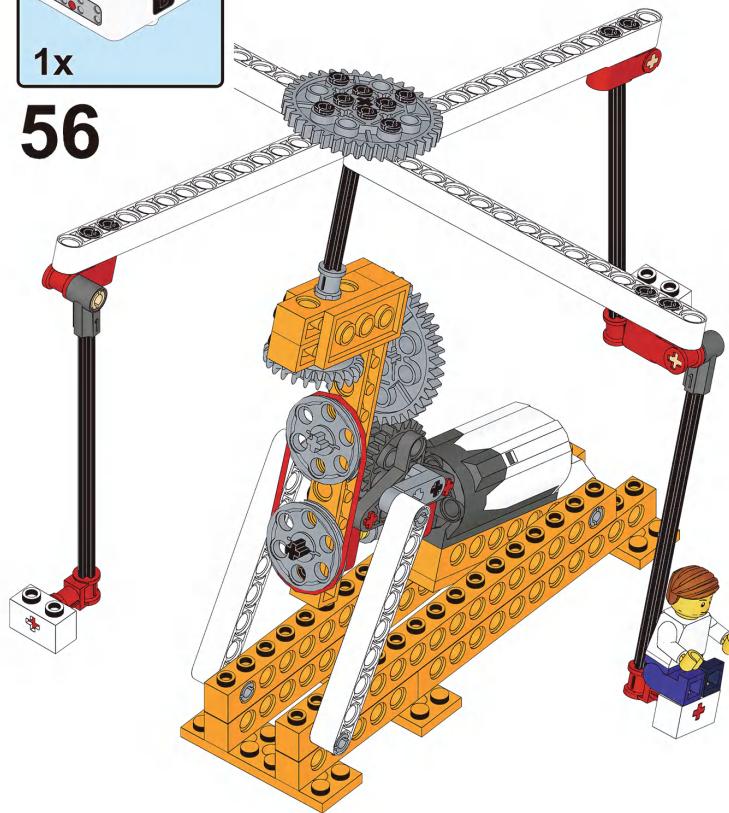
55



26



56



27

Demo Program

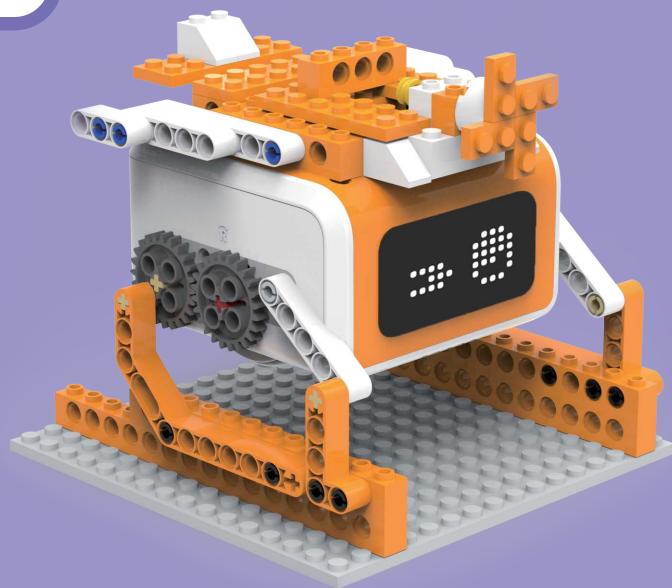
This Scratch script, titled "Demo Program", runs when the triangle key is pressed. It uses a variable `v` to track distance and a variable `color` to track color detection.

The script starts with a `when triangle key pressed` hat block. It initializes `v` to 0 and enters a `forever` loop. Inside the loop, it checks if there is an obstacle at distance > 20. If yes, it shows a red square image for 2 seconds, then waits 3 seconds, sets the motor to run clockwise at 80% speed for 15 seconds, and then sets the motor to run clockwise at 0% speed for 15 seconds. After this sequence, it checks if the color blue is detected. If yes, it shows a blue square image for 2 seconds. Finally, it loops back to check for the next obstacle.

On the right side of the stage, there is another Scratch script:

- A `when triangle key pressed` hat block.
- A `wait until v = 80` control block.
- A `repeat until v = 0` control block.
- Inside the repeat loop:
 - A `sing twinkle, twinkle, little star until done` sound block.

Case 14 Rocking Car



Parts List



8x



4x



2x



1x



4x



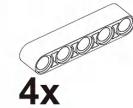
2x



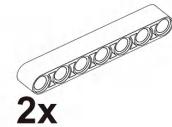
1x



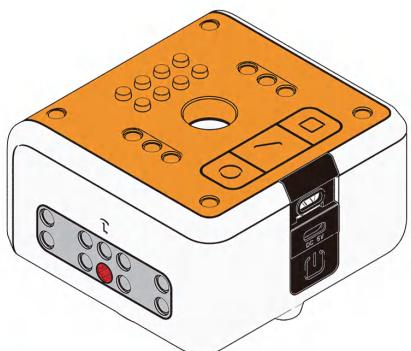
1x



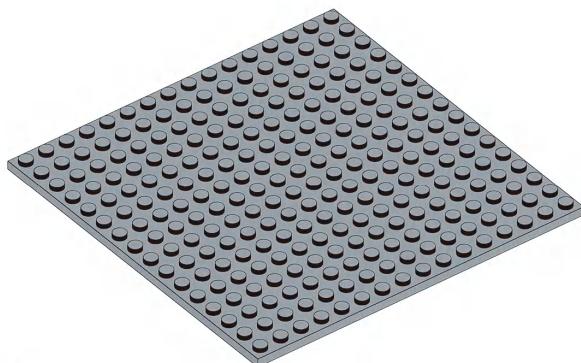
4x



2x



1x



1x



3x



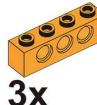
7x



4x



1x



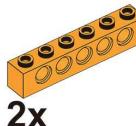
3x



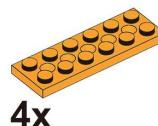
2x



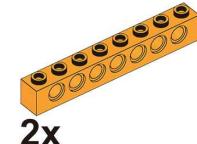
3x



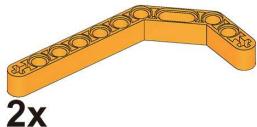
2x



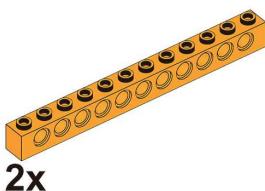
4x



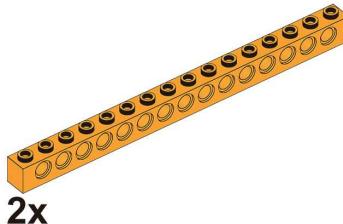
2x



2x



2x



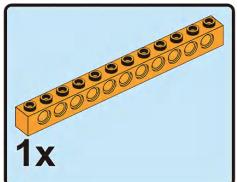
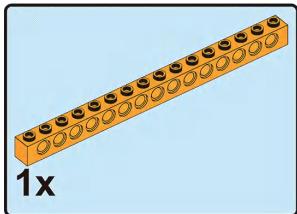
2x



1x



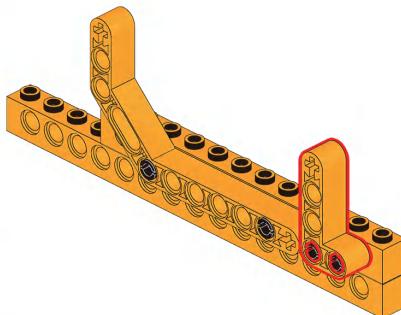
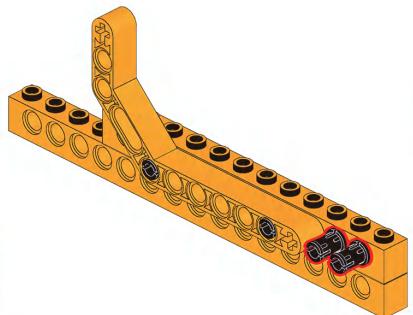
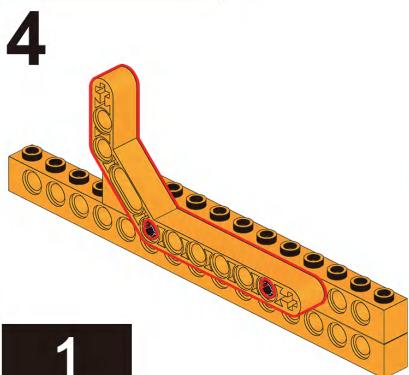
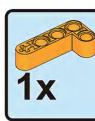
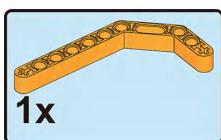
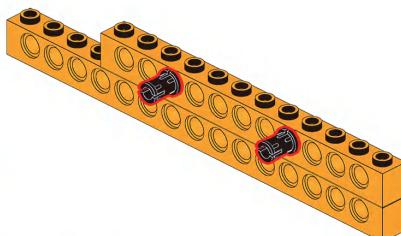
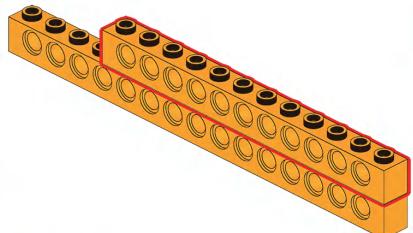
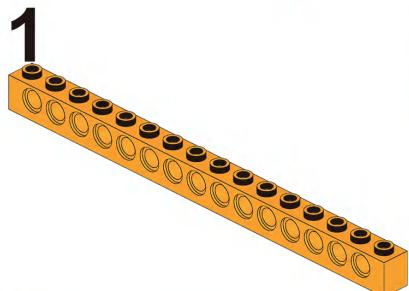
8x

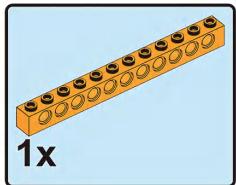
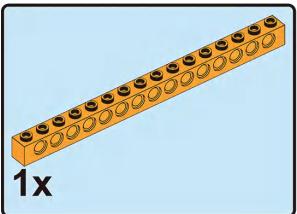


2



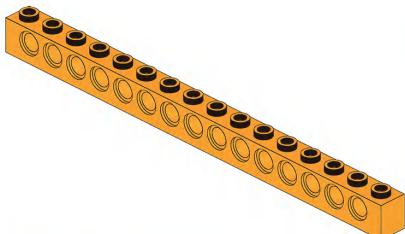
3



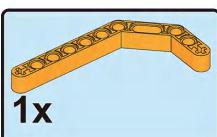
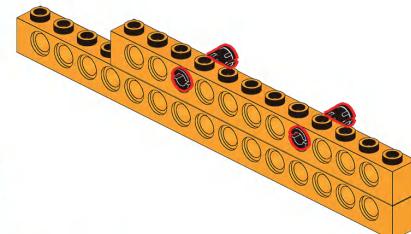
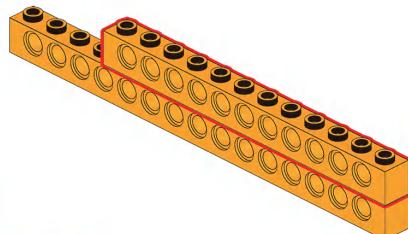


9

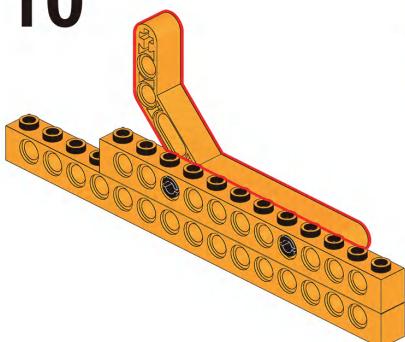
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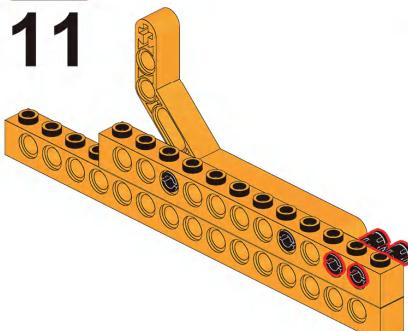
8



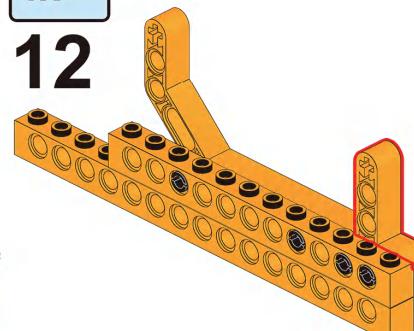
10



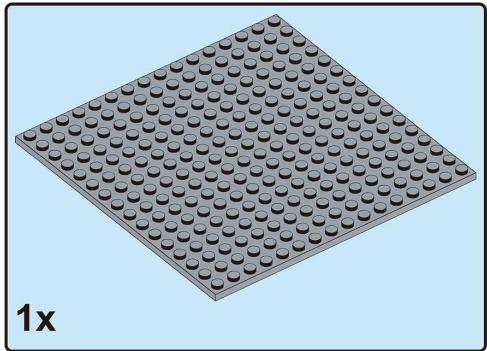
11



12

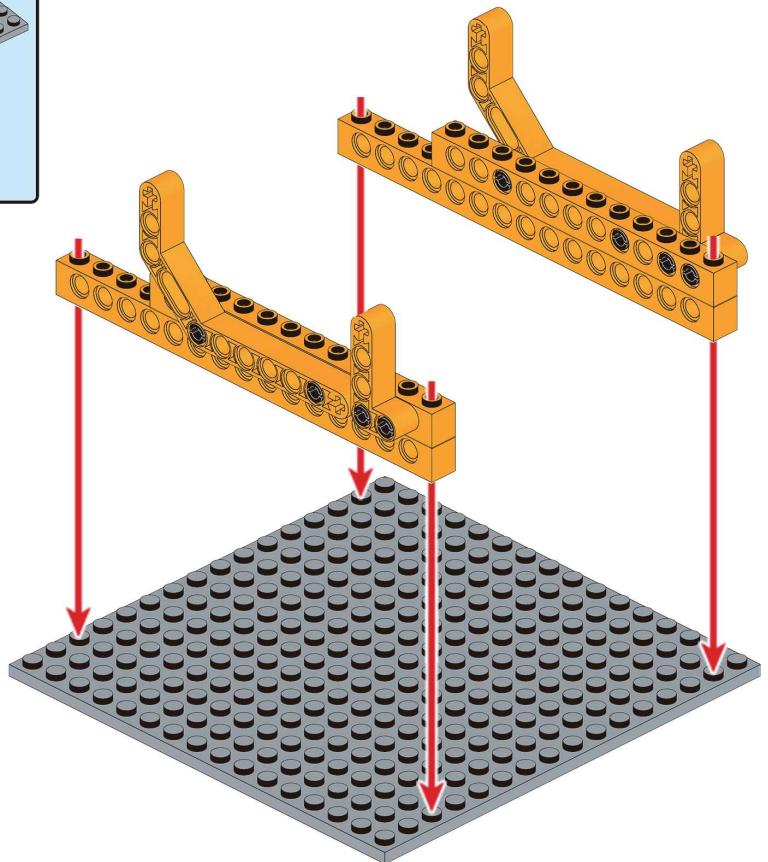


2



1x

13

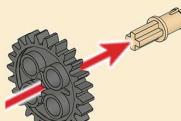


3

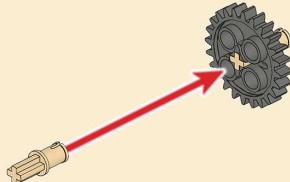
 4x  2x

14

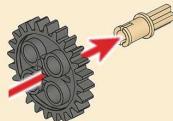
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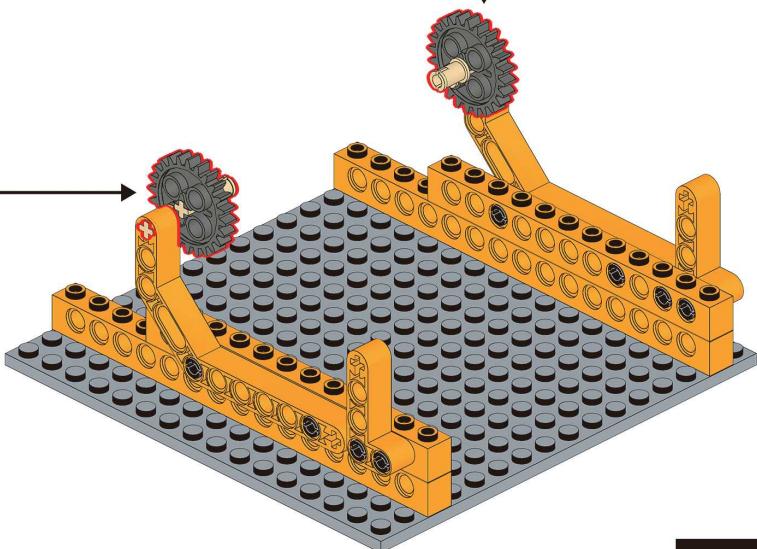
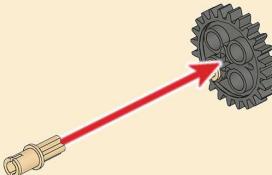
2



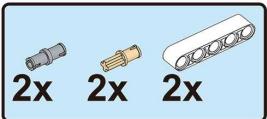
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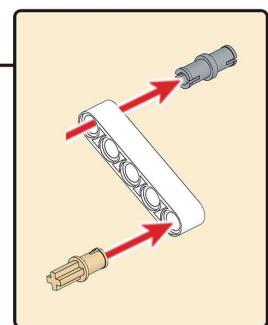
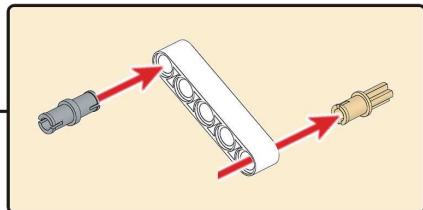
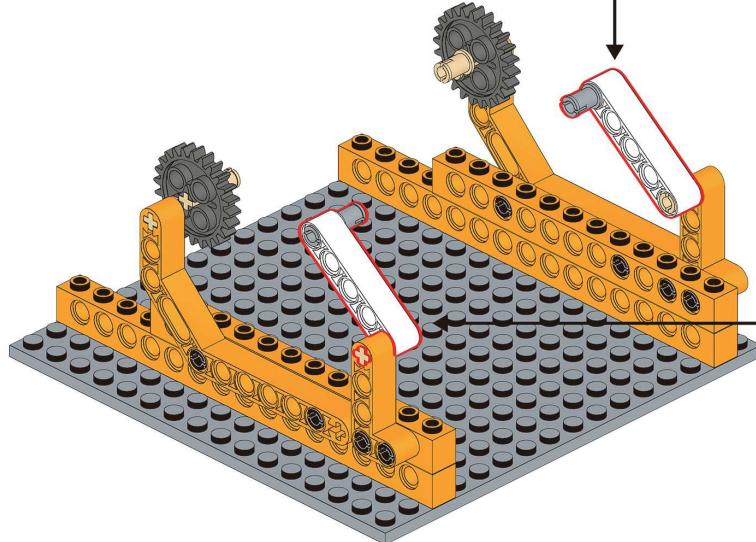
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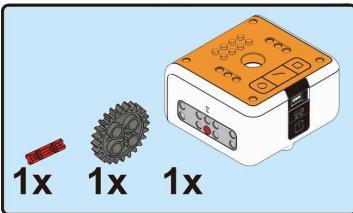
4



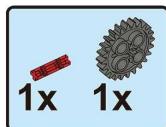
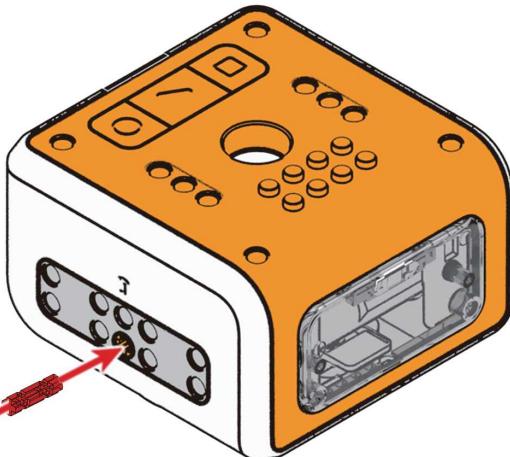
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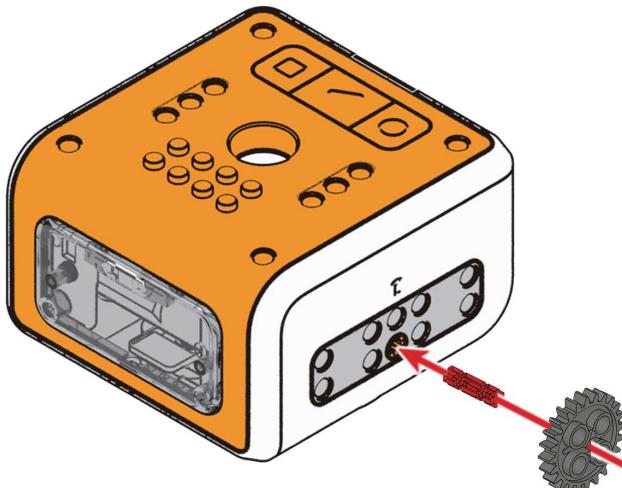
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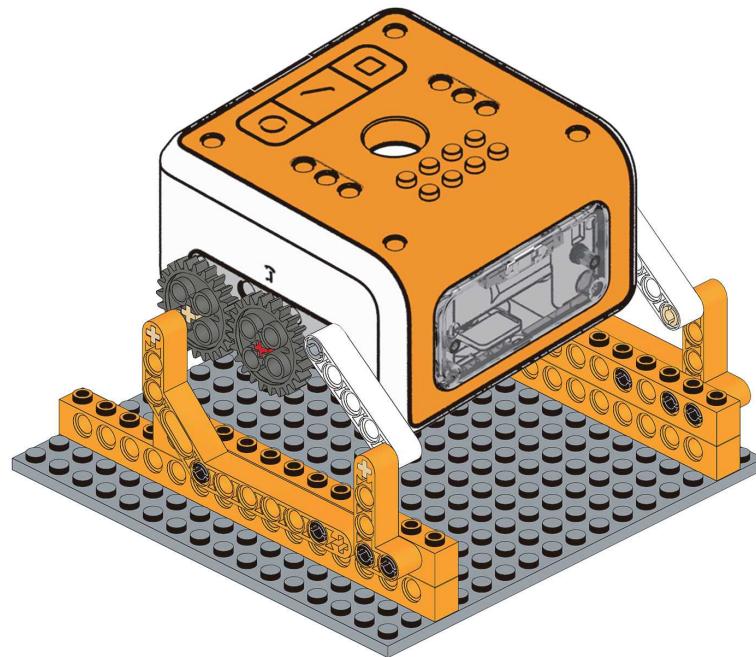
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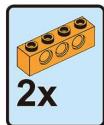
17



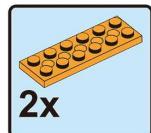
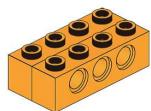
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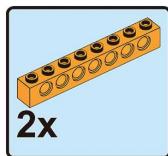
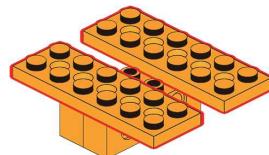
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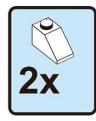
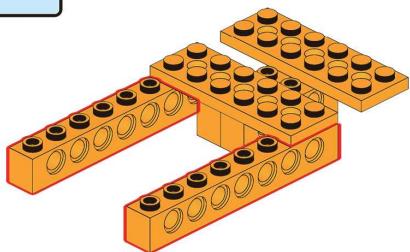
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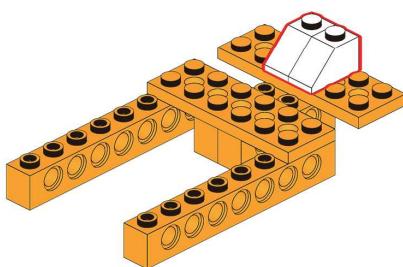
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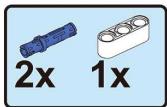


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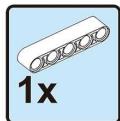
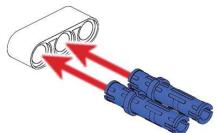


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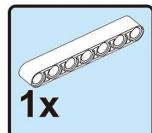
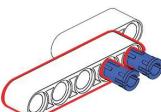




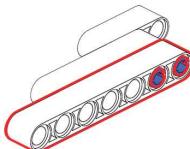
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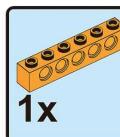
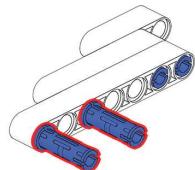
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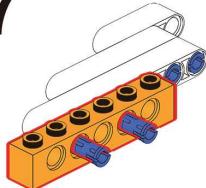
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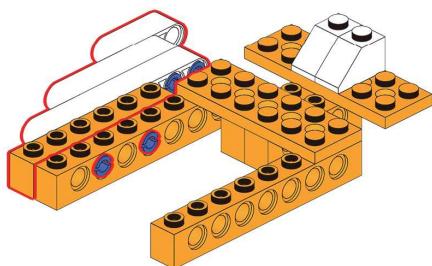
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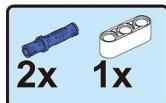


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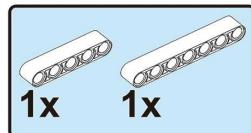
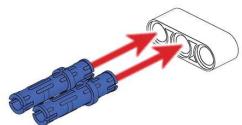


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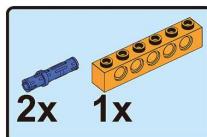
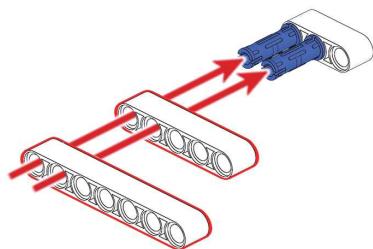




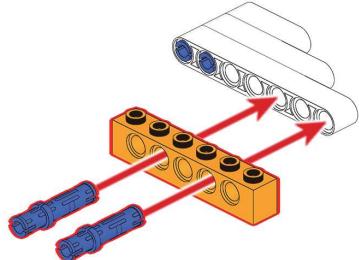
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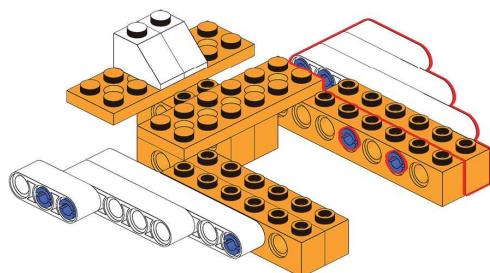
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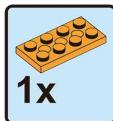
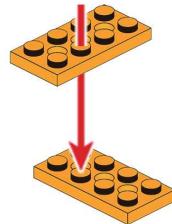


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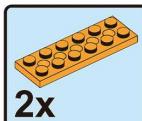
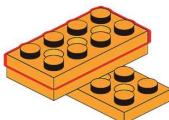




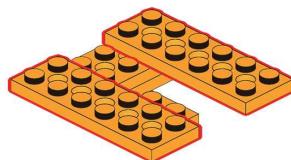
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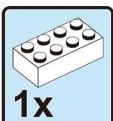
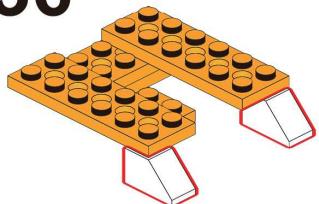
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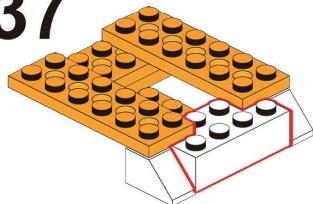
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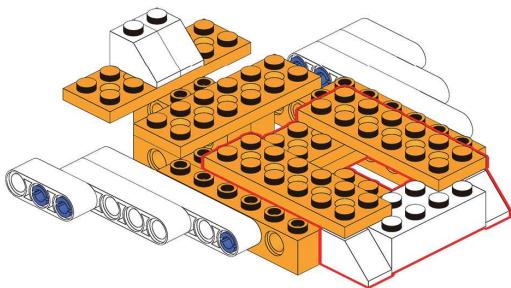
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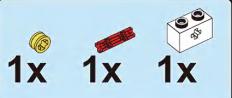


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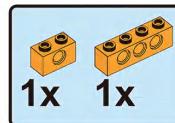
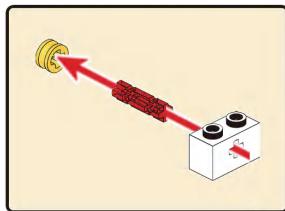


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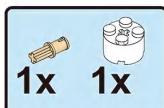
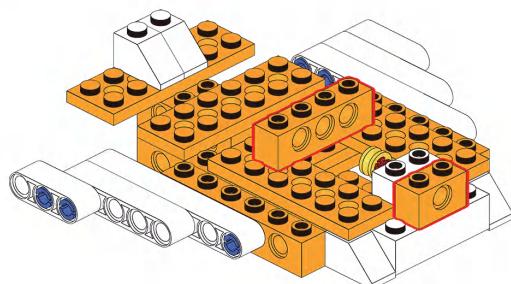
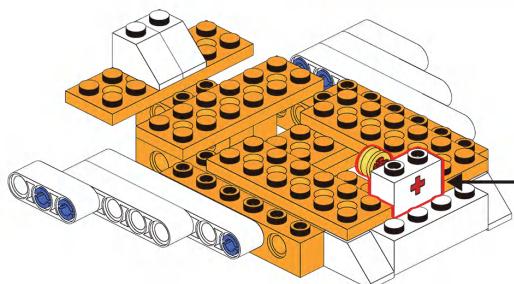




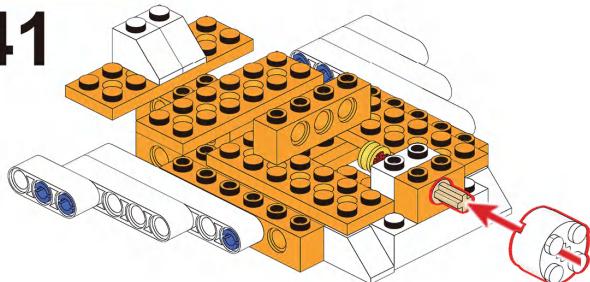
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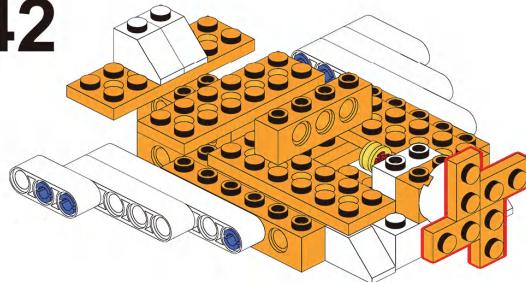
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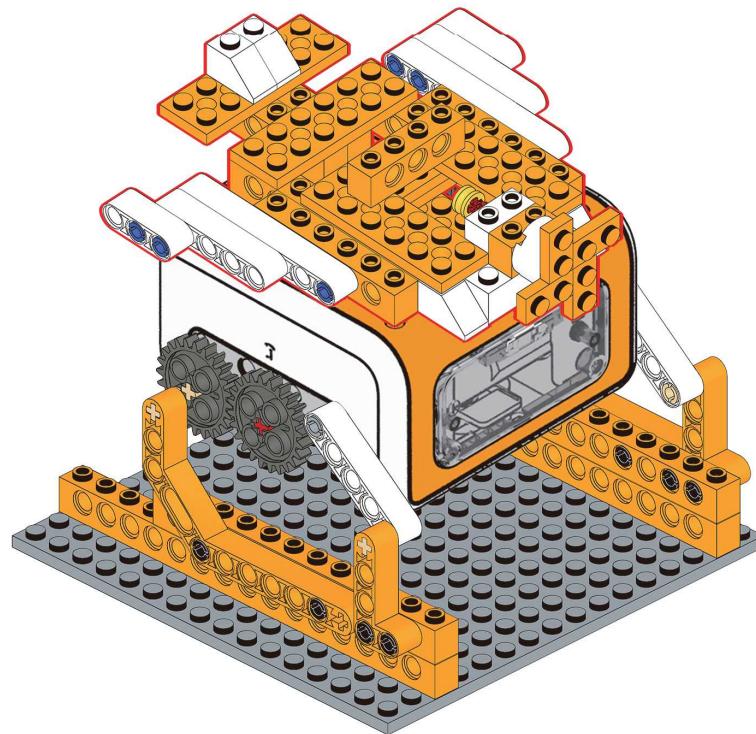
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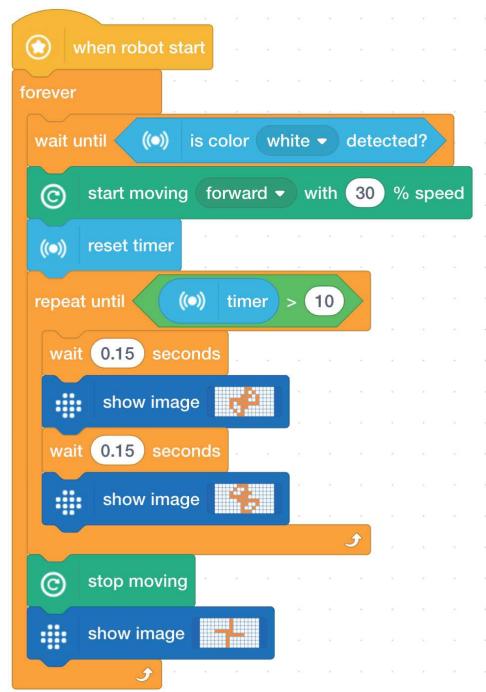


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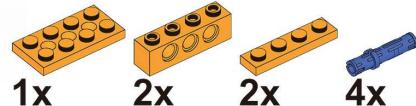
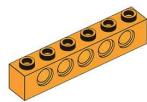
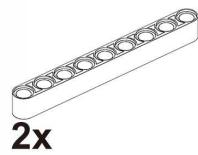
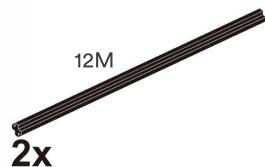
Demo Program

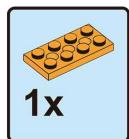


Case 15 Soar High

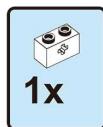
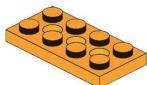


Parts List

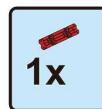




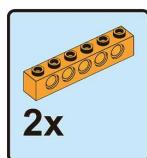
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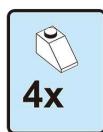
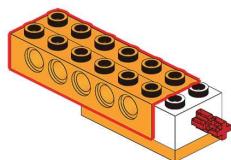
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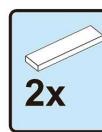
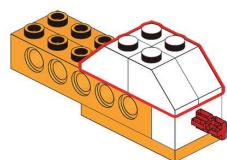
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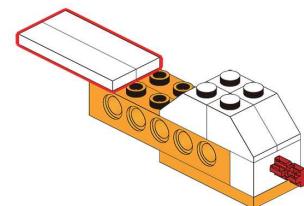
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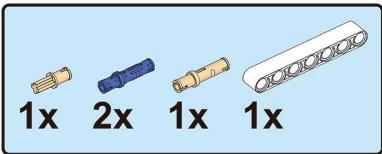
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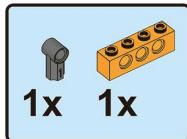
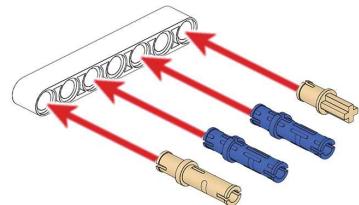
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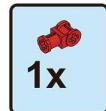
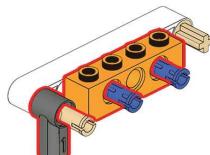
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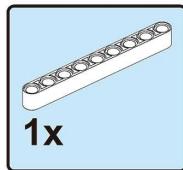
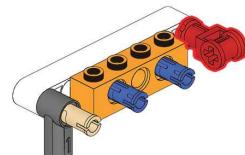
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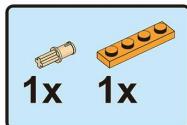
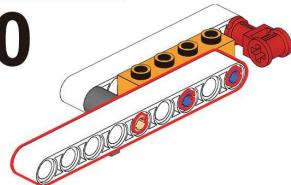
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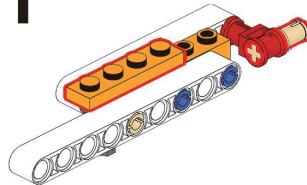
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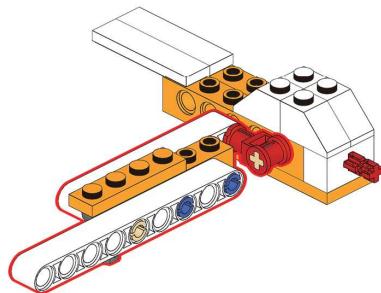
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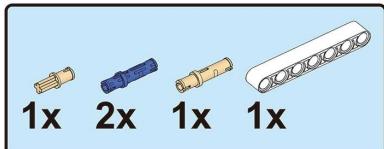
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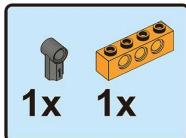
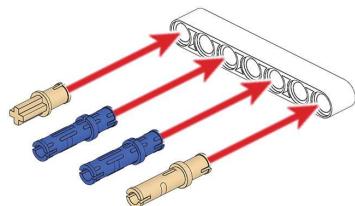
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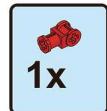
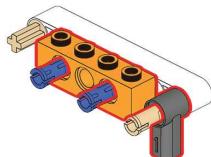
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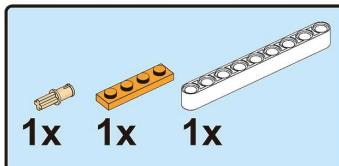
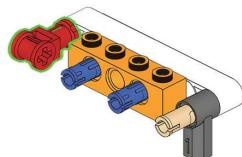
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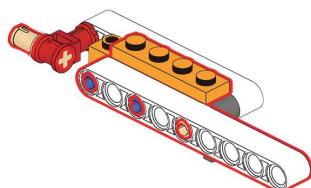
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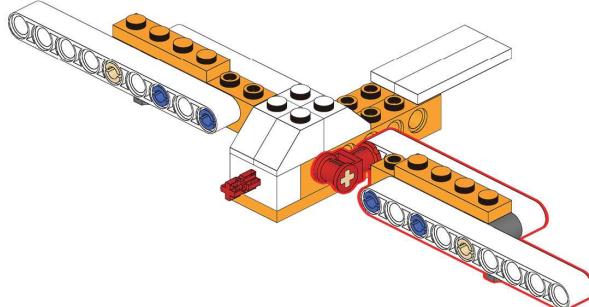
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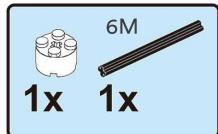
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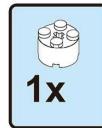
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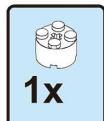
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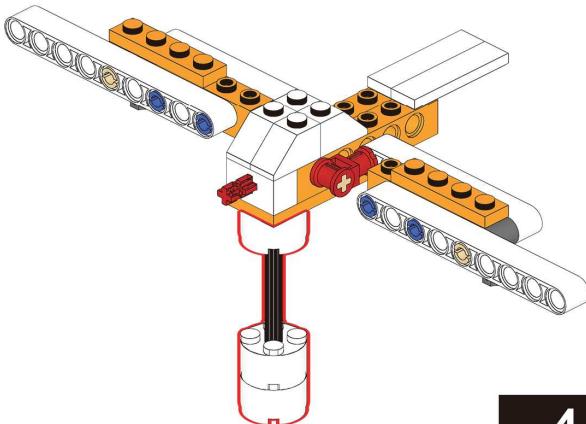
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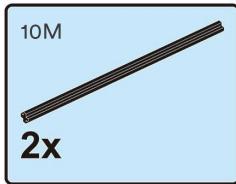


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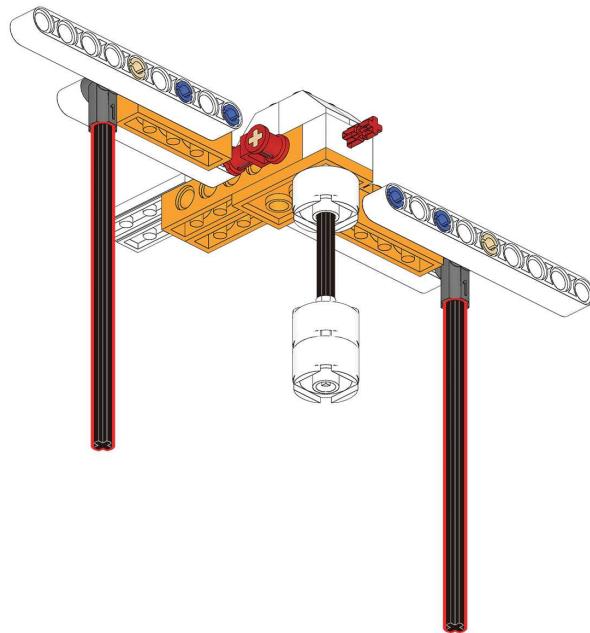


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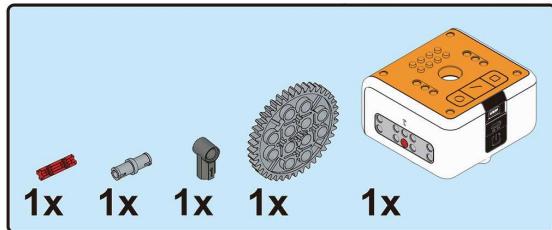




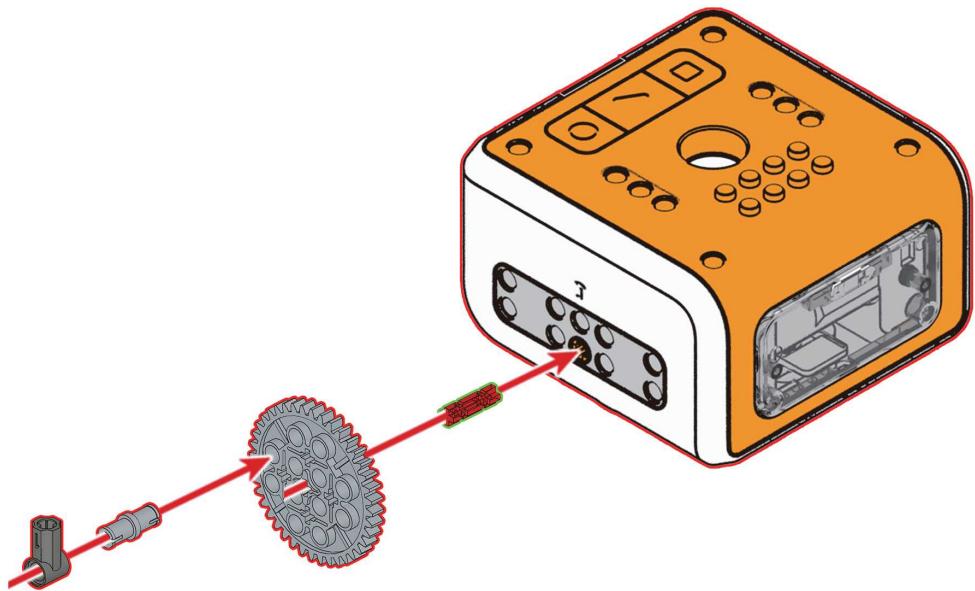
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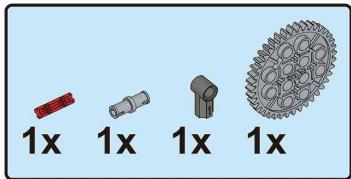


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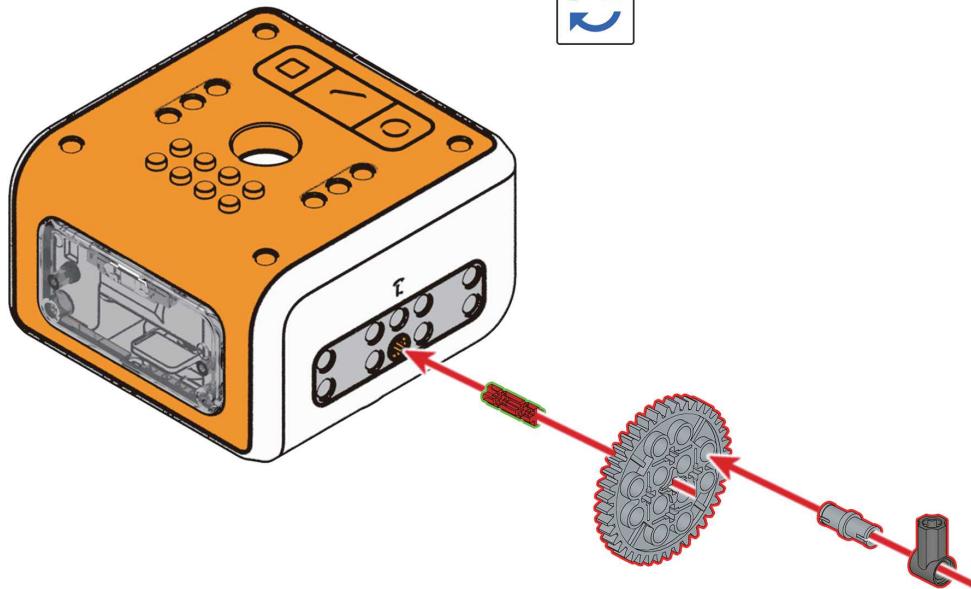


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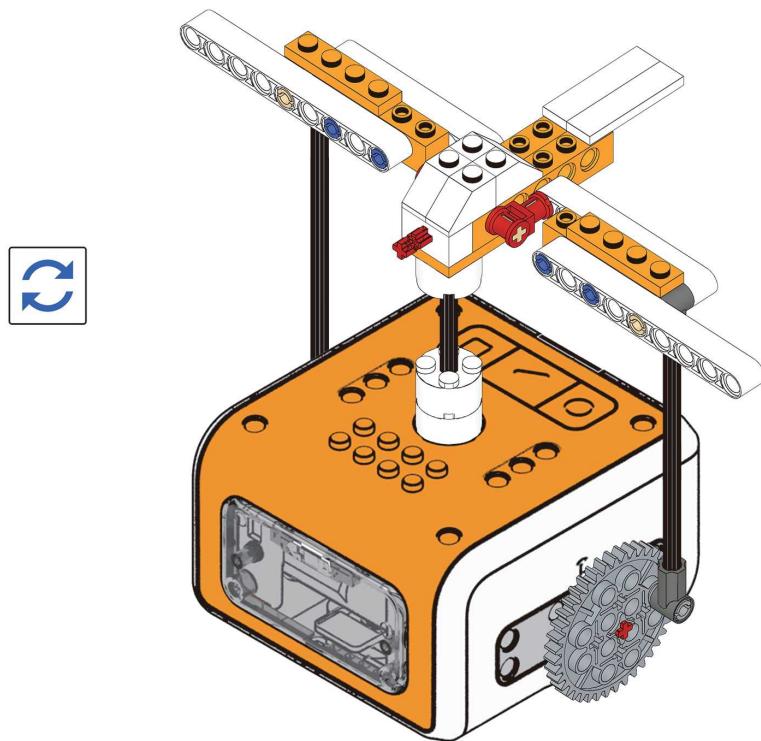




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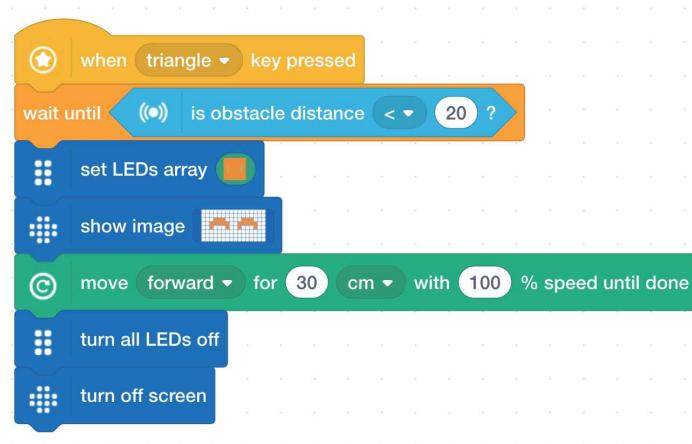


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8

Demo Program

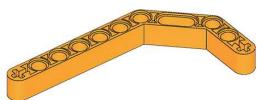
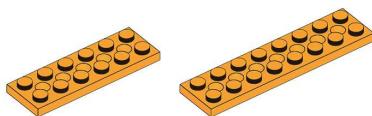
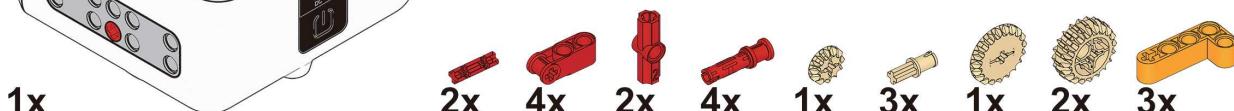
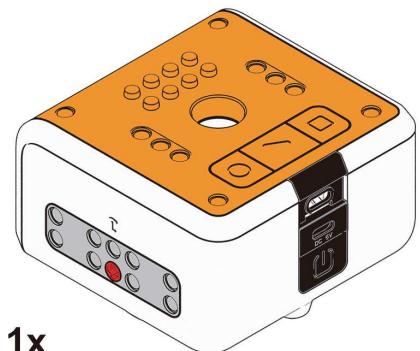
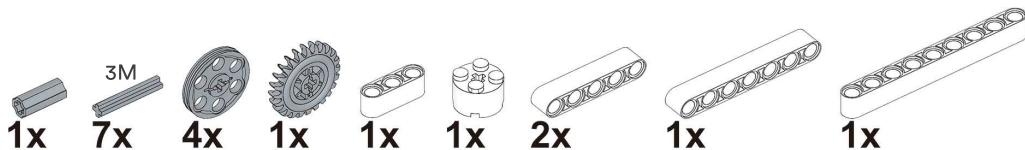


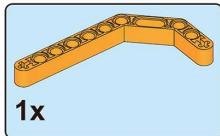
Case 16

The Helicopter



Parts List





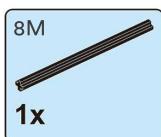
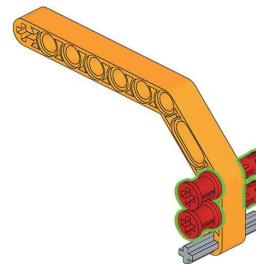
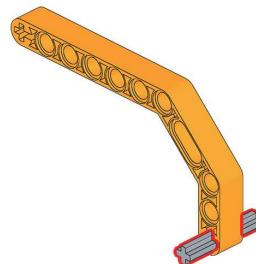
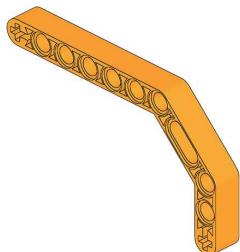
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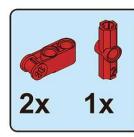
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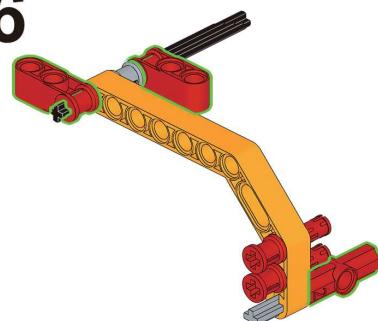
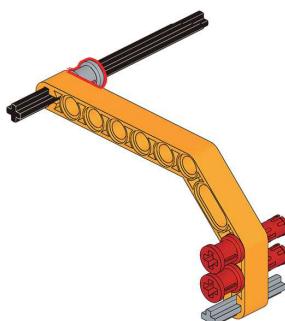
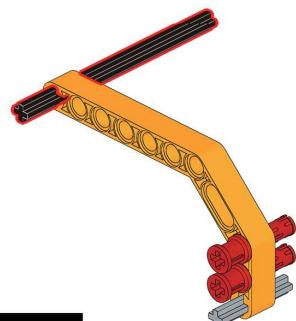
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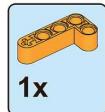
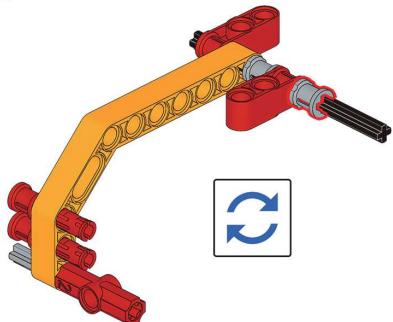
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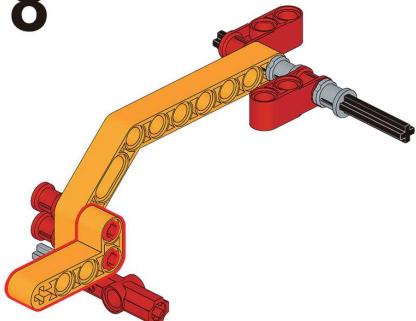
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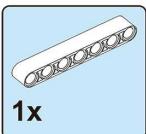
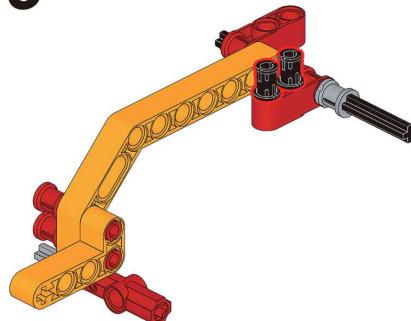
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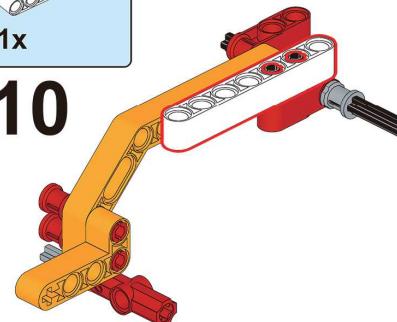
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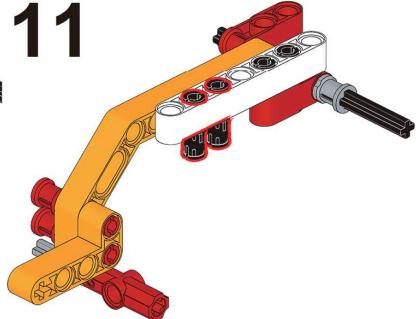
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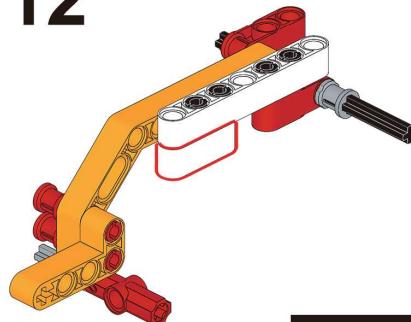
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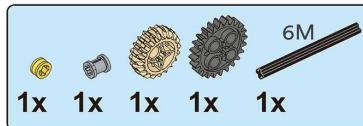
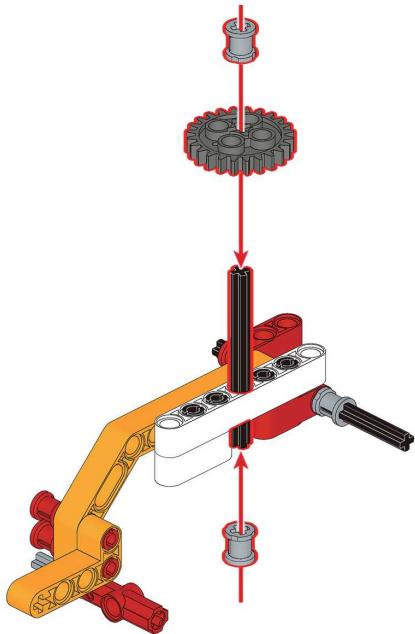
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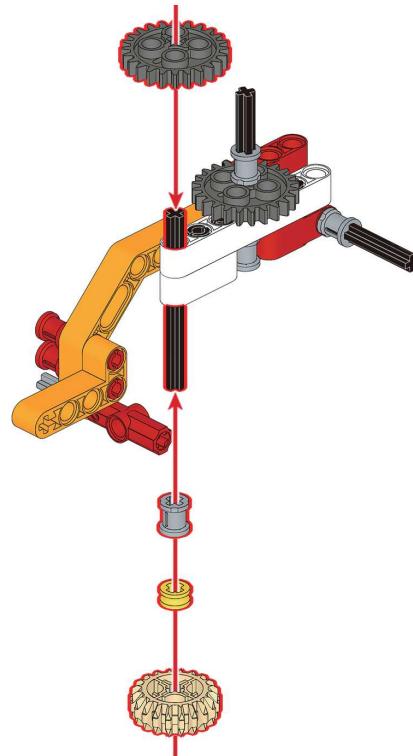
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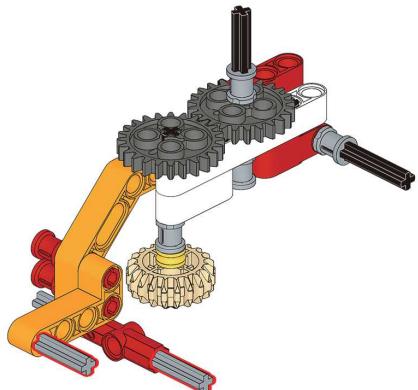


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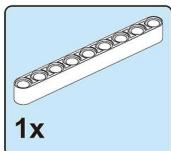
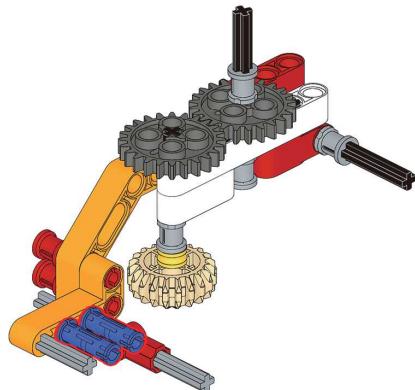




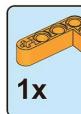
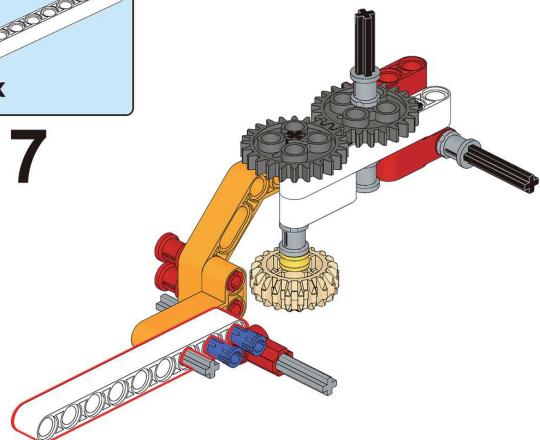
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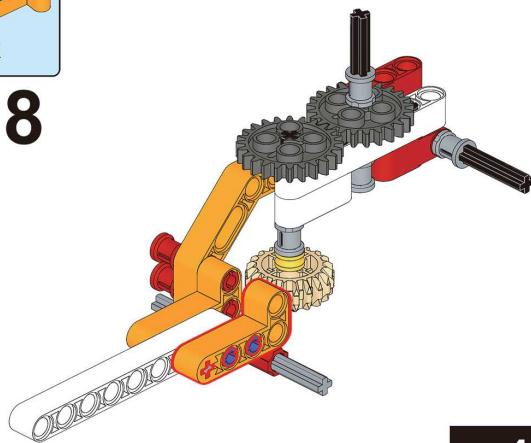
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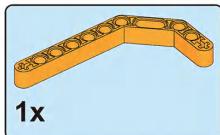


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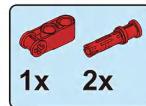
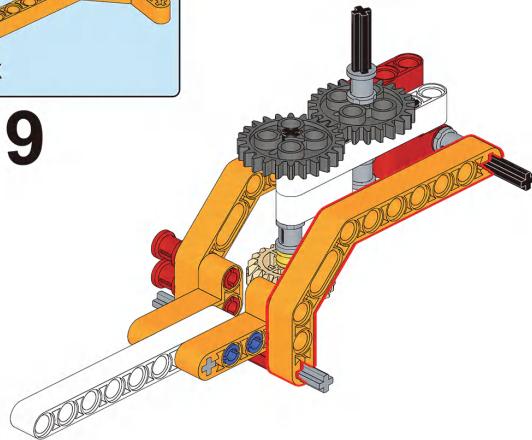
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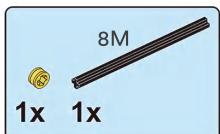
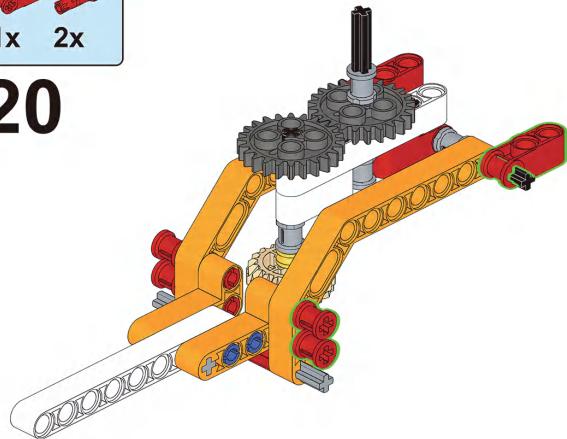
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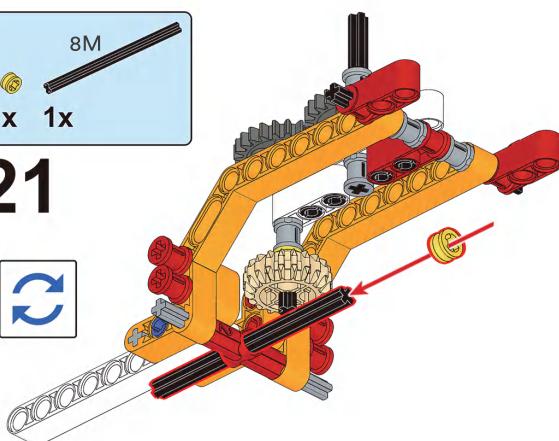


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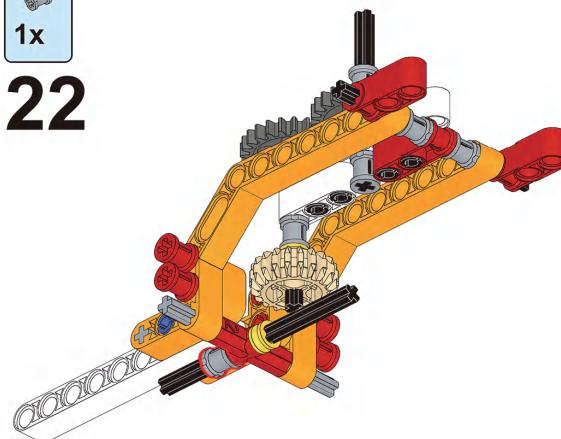


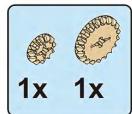
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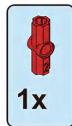
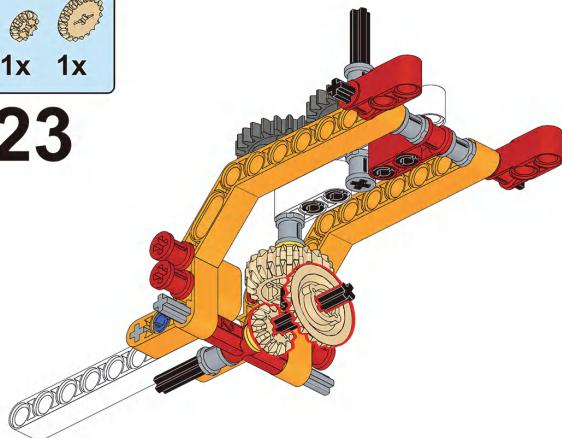
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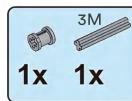
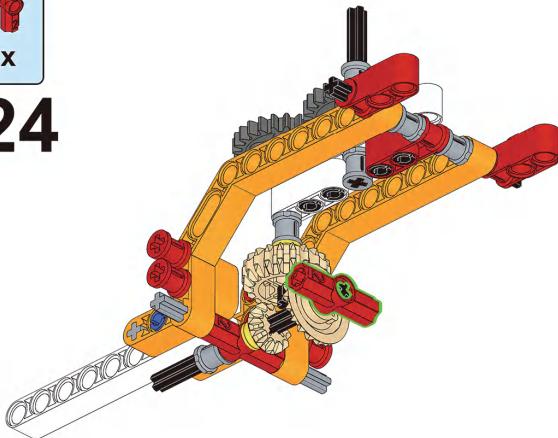




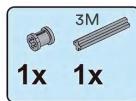
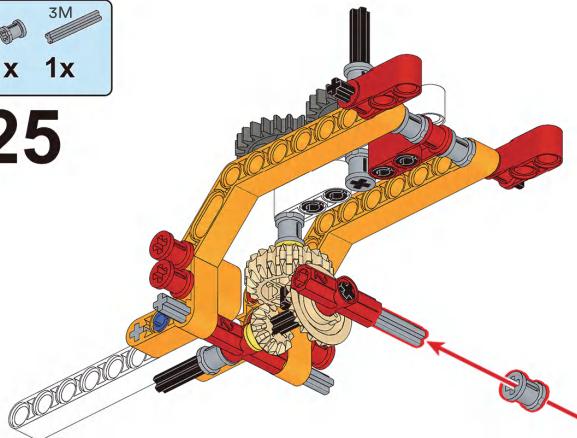
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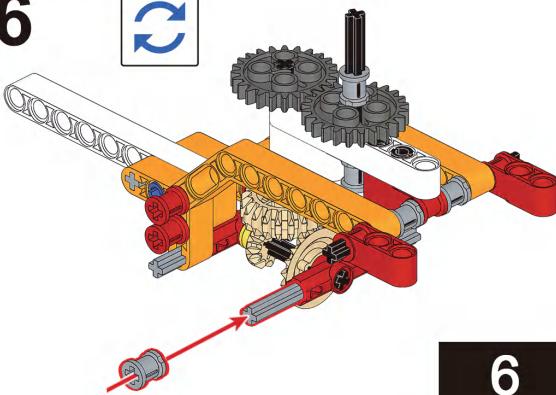
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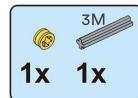
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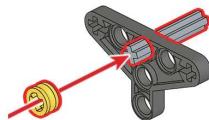
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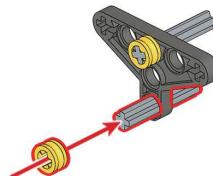
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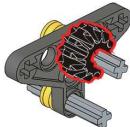
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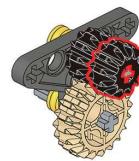
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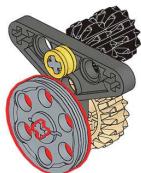
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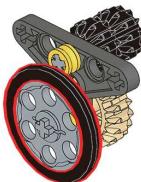
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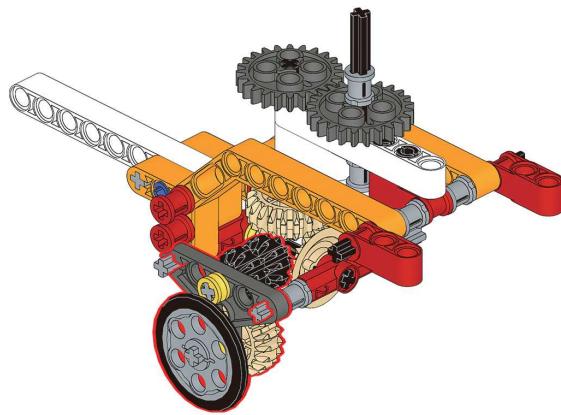
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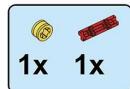


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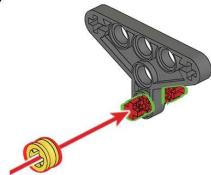




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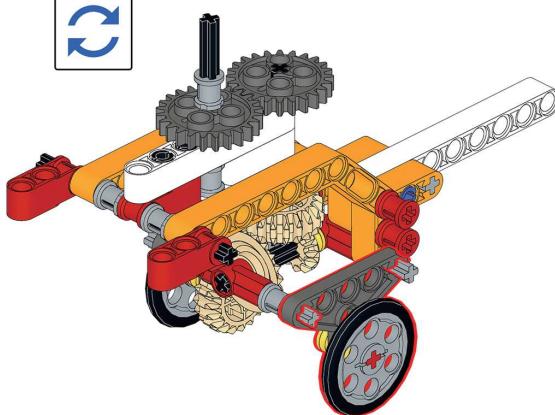
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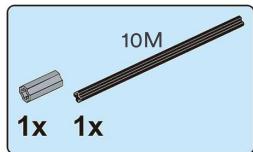


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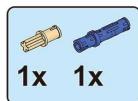
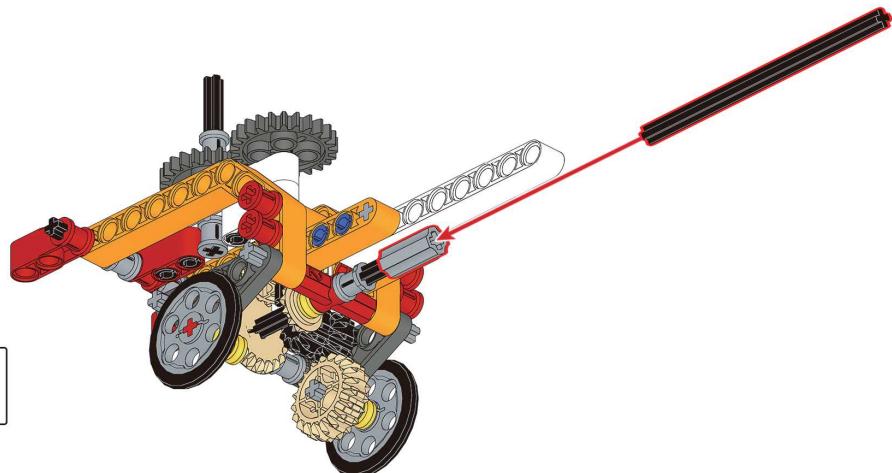


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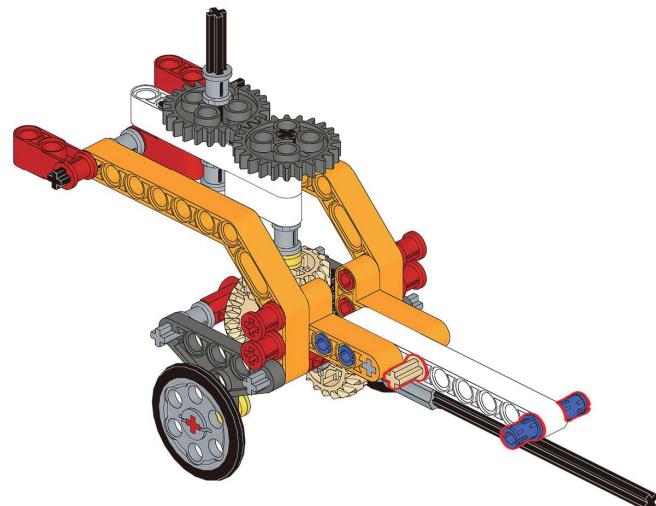




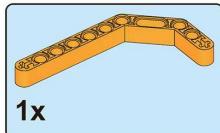
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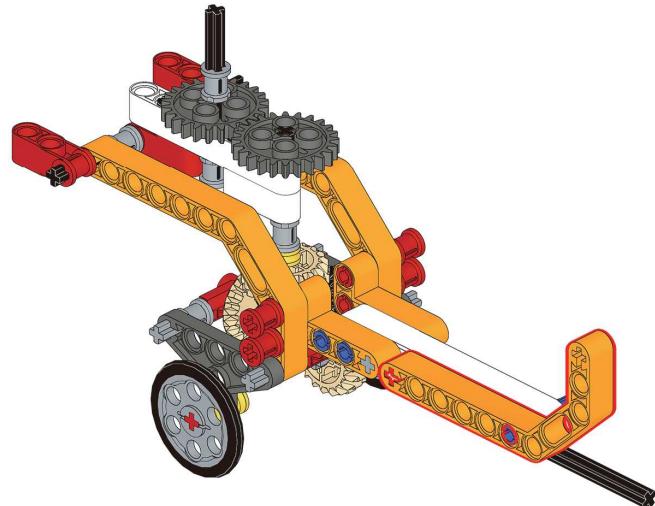


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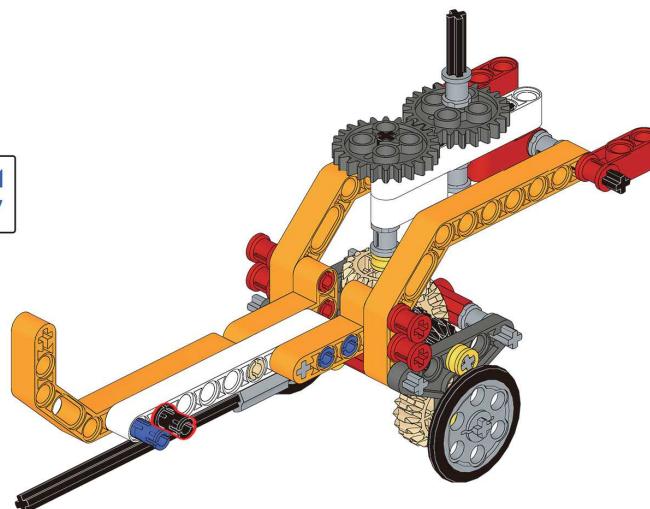
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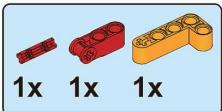


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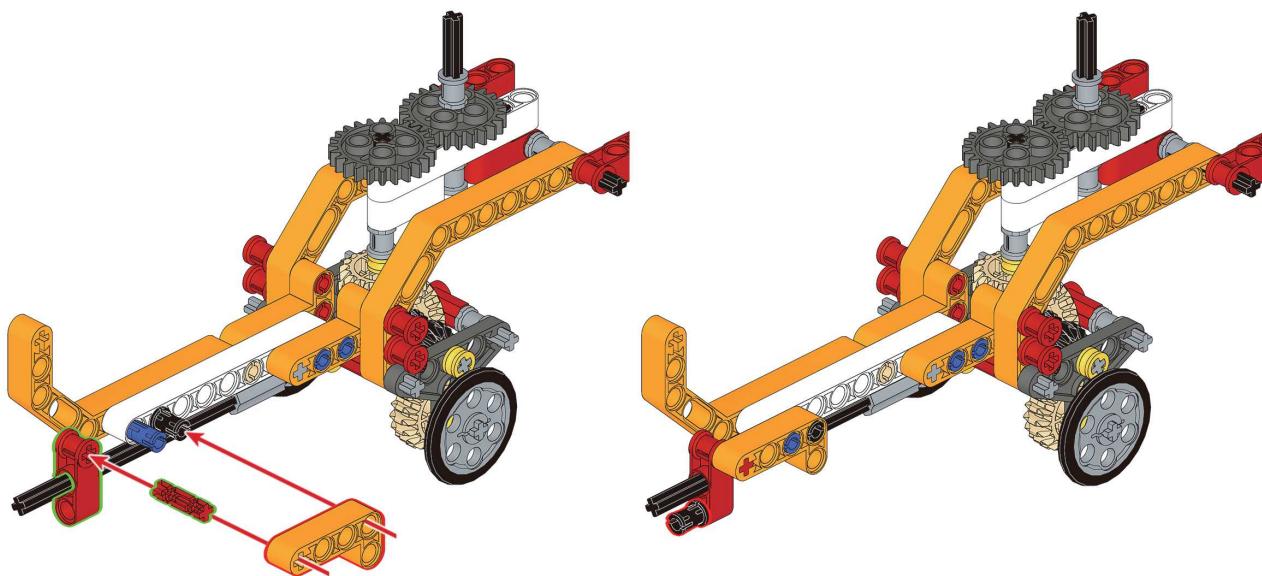
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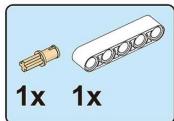


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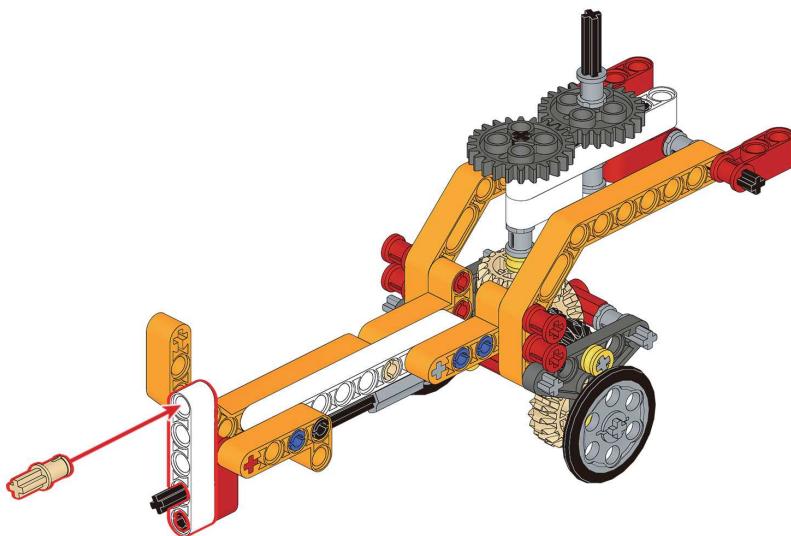


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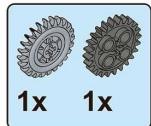




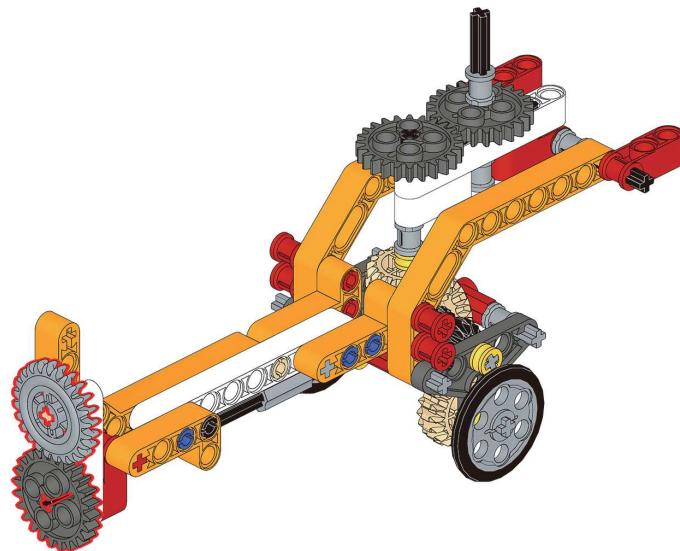
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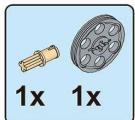
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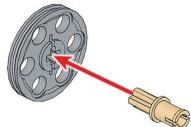
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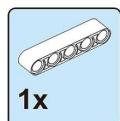
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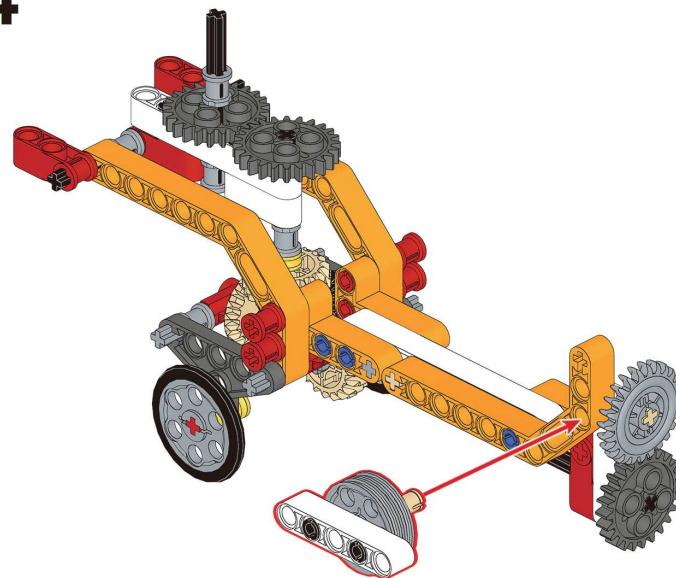
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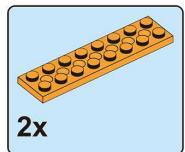
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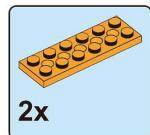
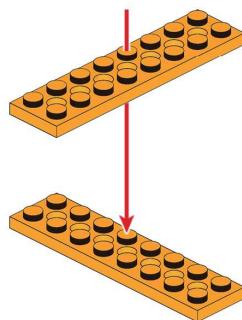
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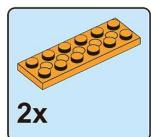
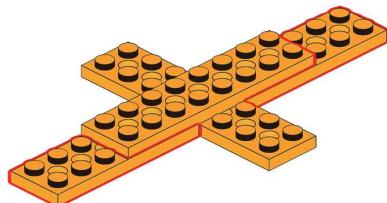
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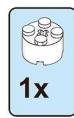
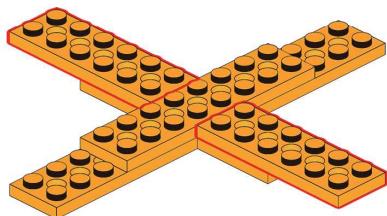
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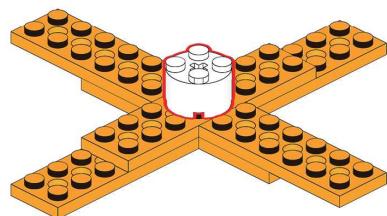
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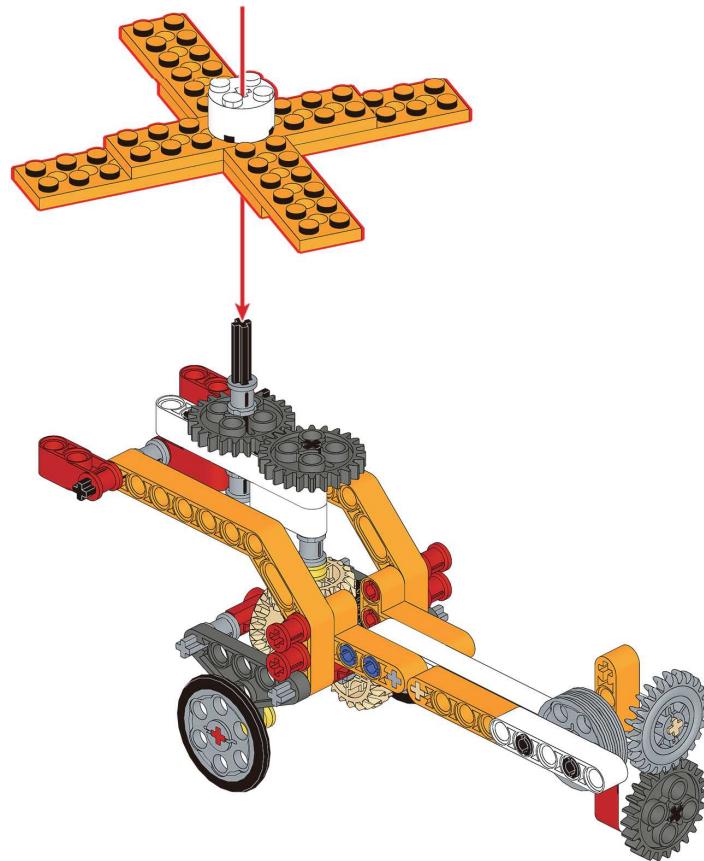


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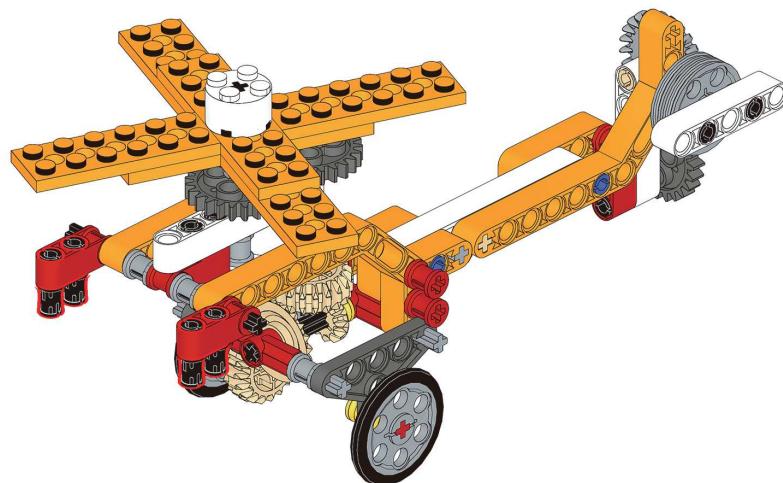
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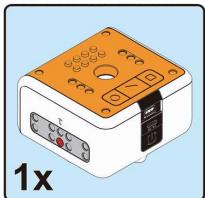
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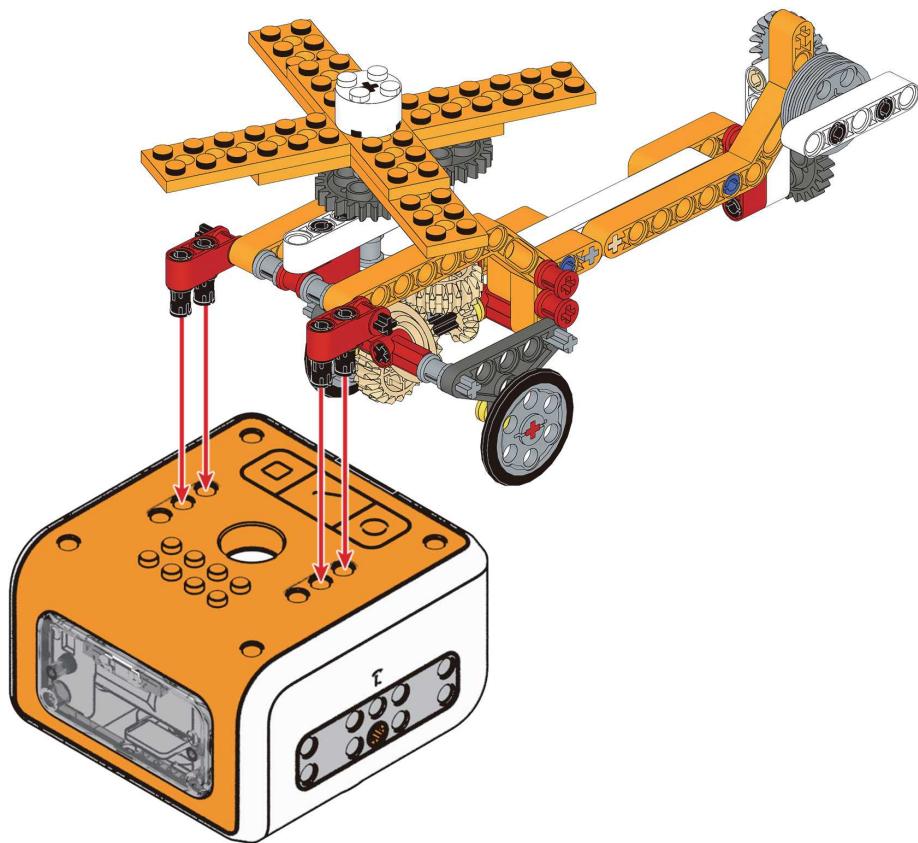
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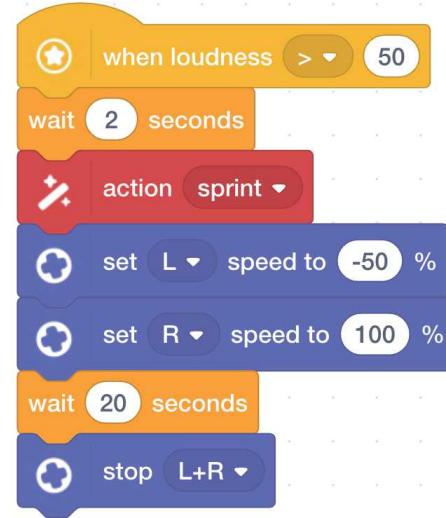


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19

Demo Program

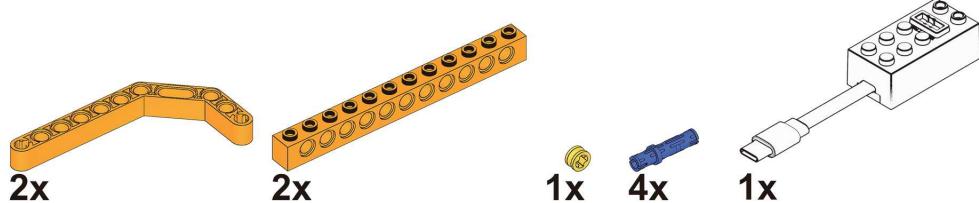
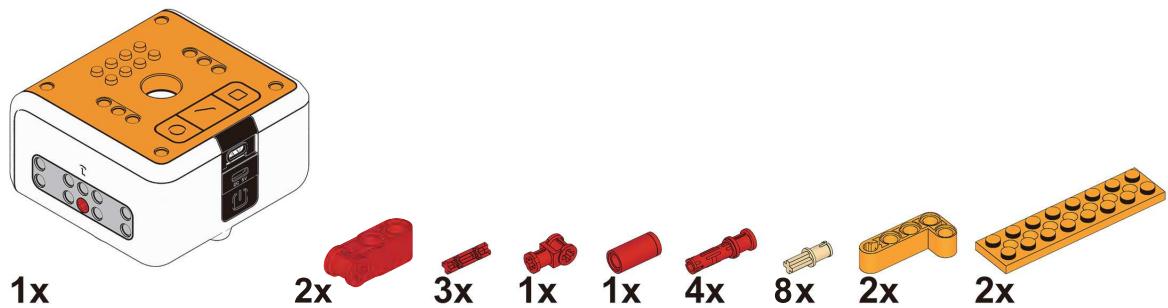
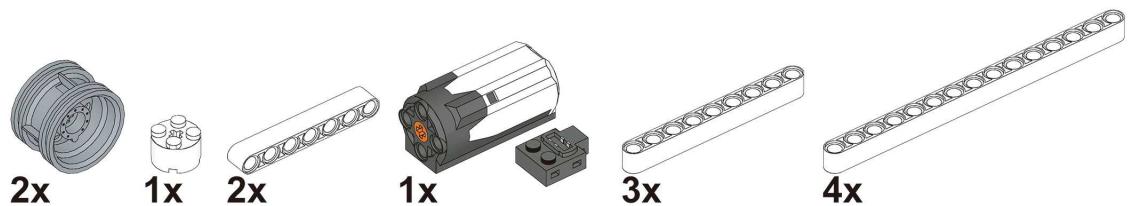
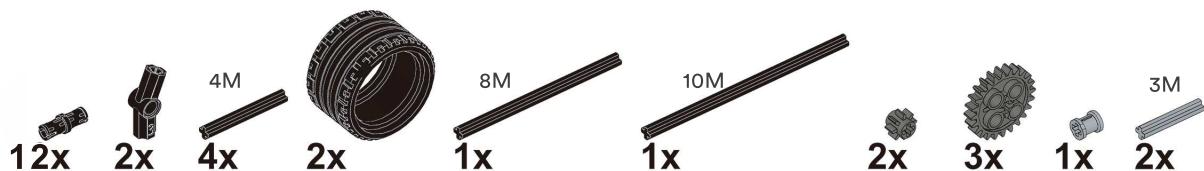


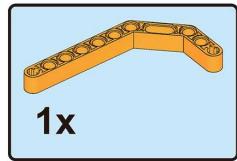
Case 17

Paper Airplane Launcher

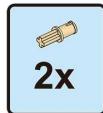


Parts List

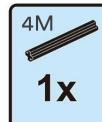




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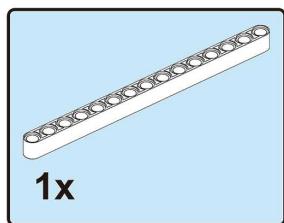
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4



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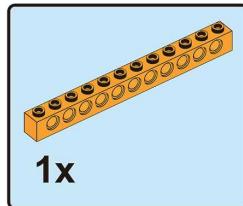
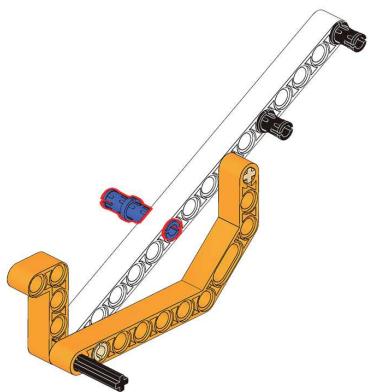


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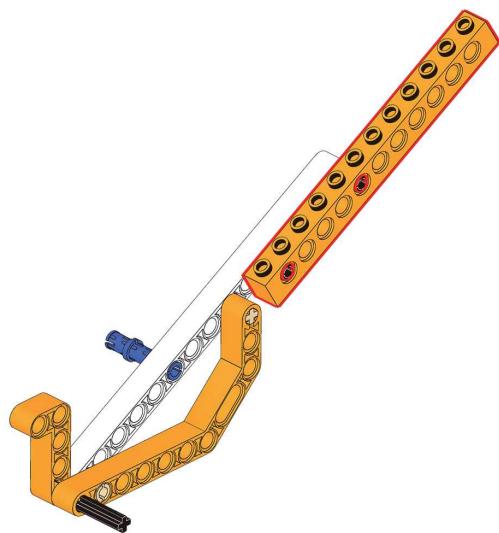
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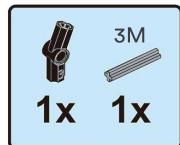
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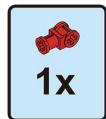
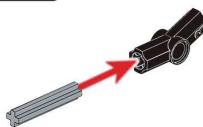
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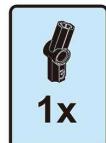
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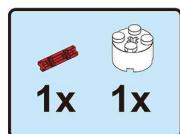
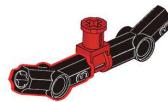
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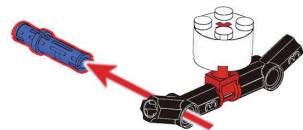
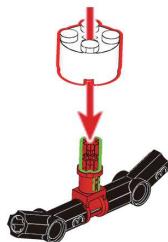
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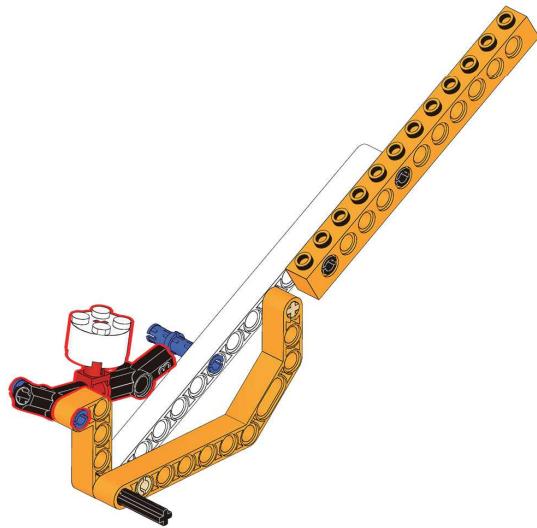
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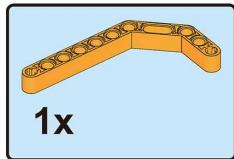
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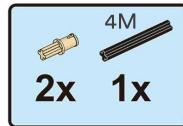
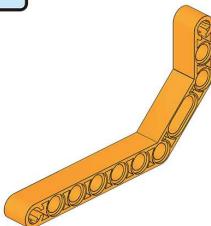
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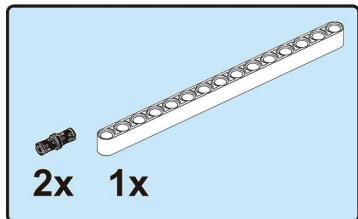
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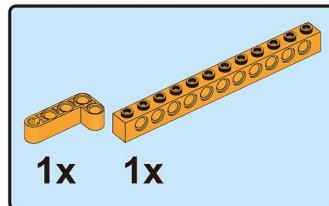
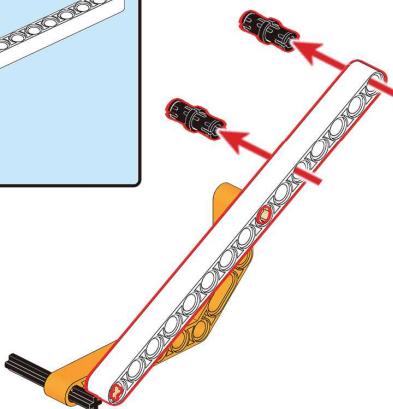
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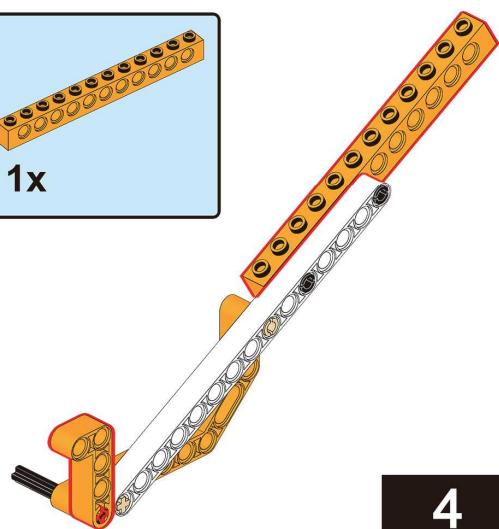
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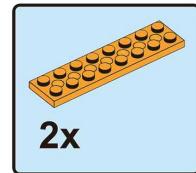


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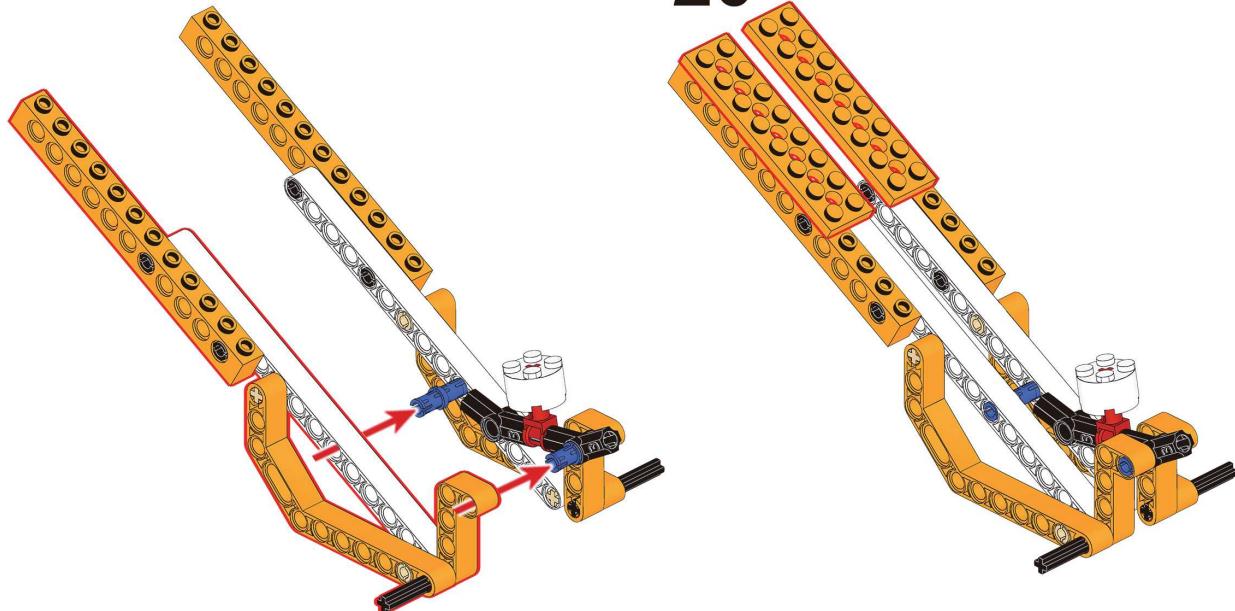


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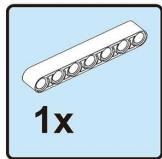
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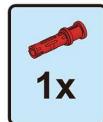
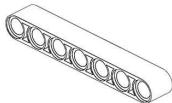
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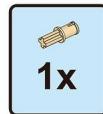
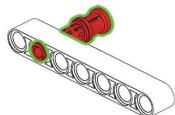
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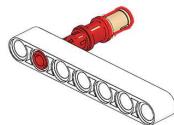
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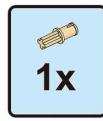
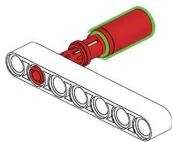
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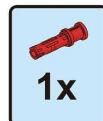
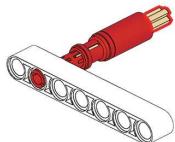
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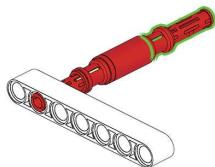
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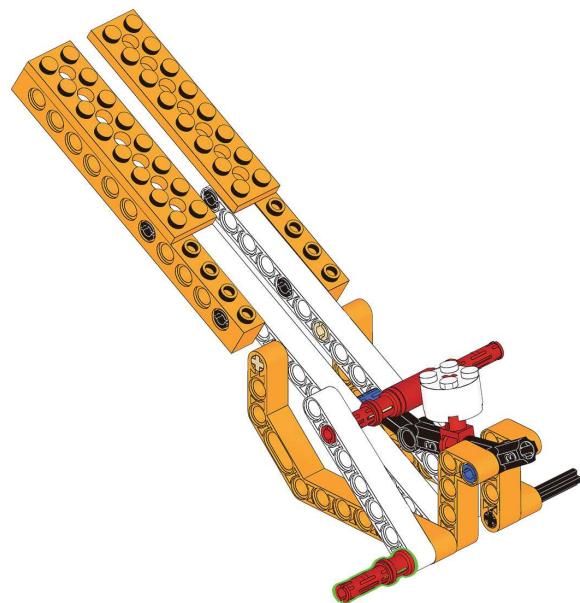
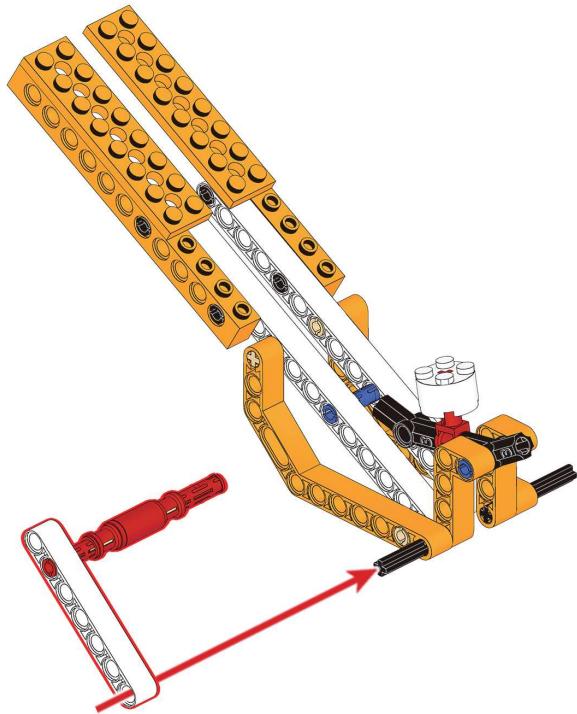
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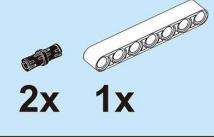
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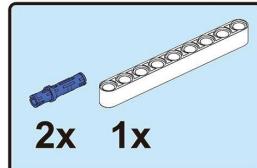
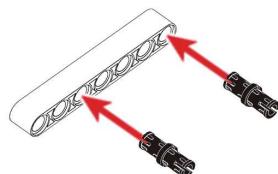
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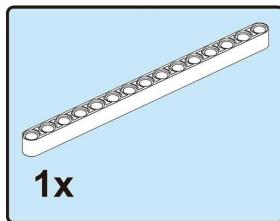
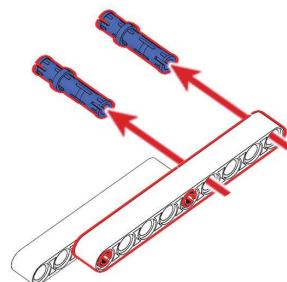
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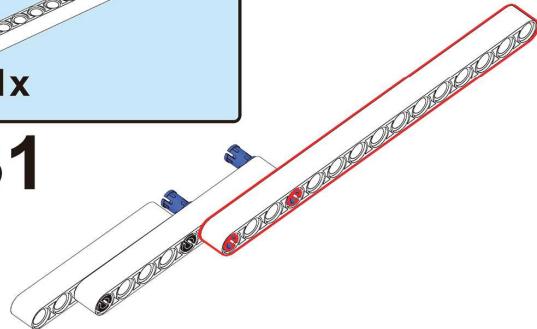
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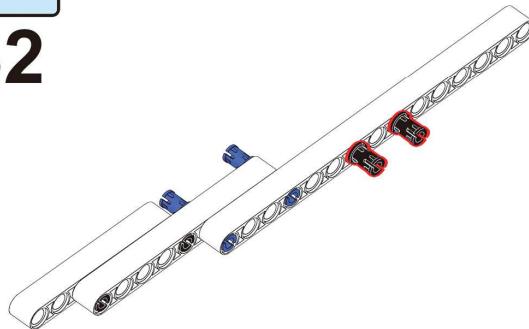
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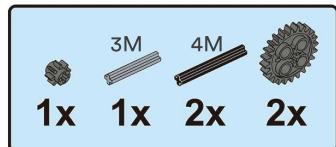


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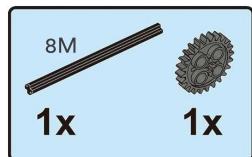


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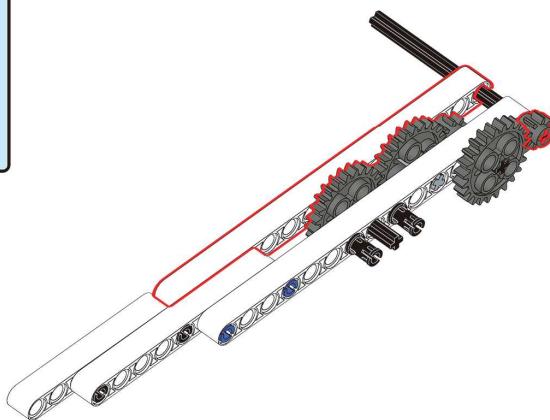
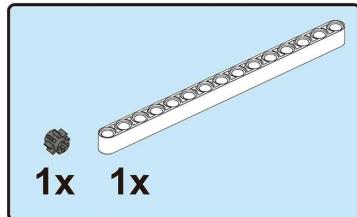


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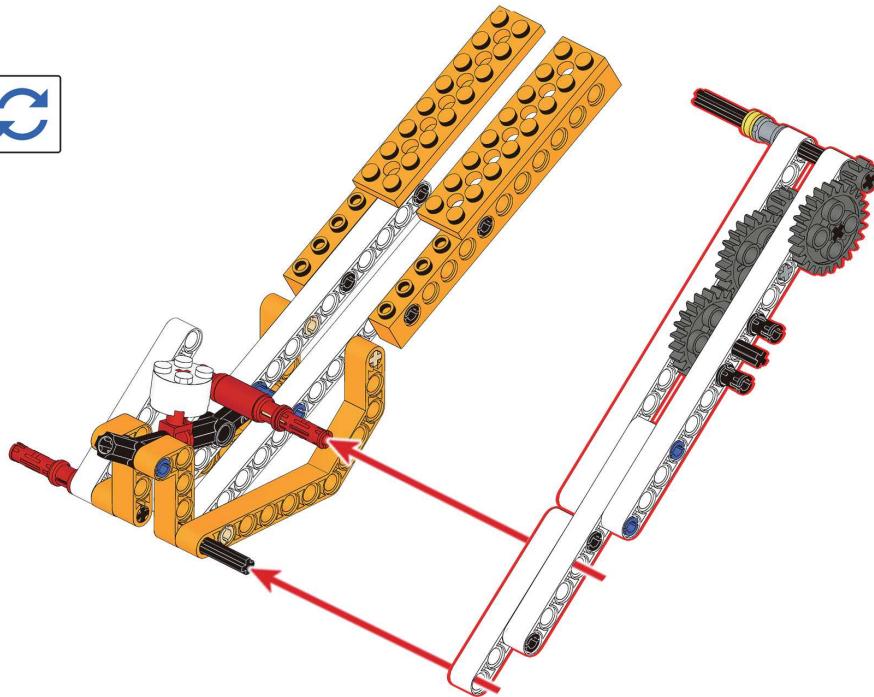


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37



11



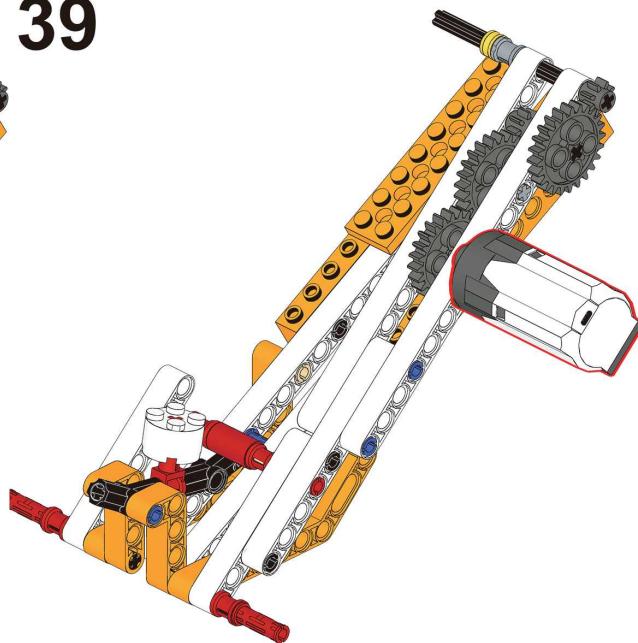
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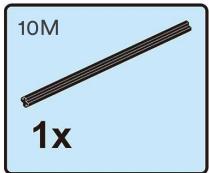


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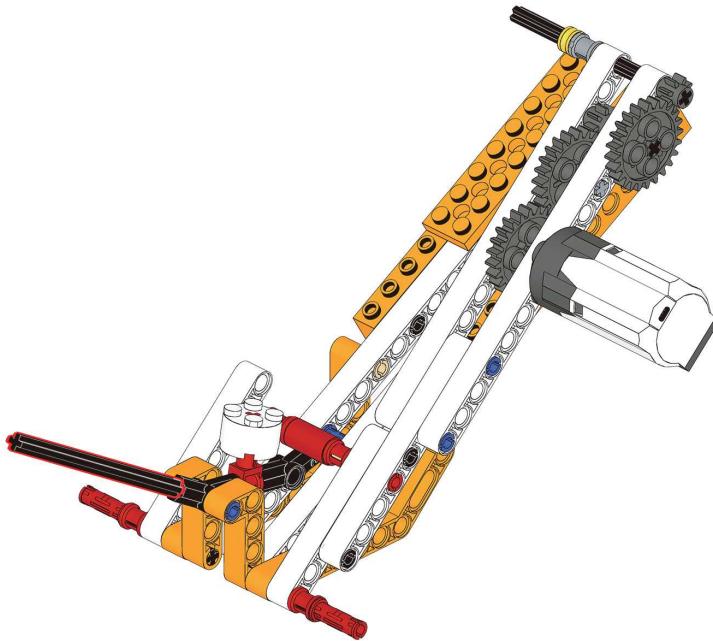
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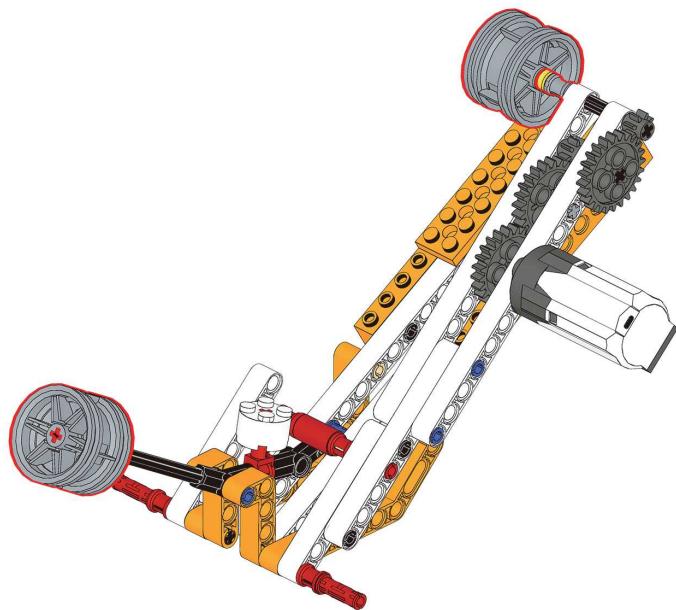


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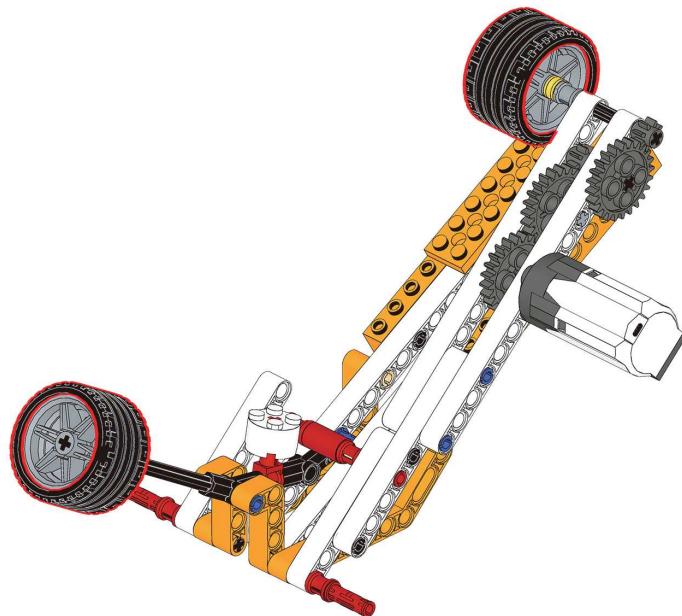


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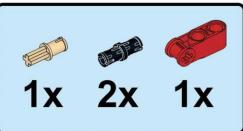


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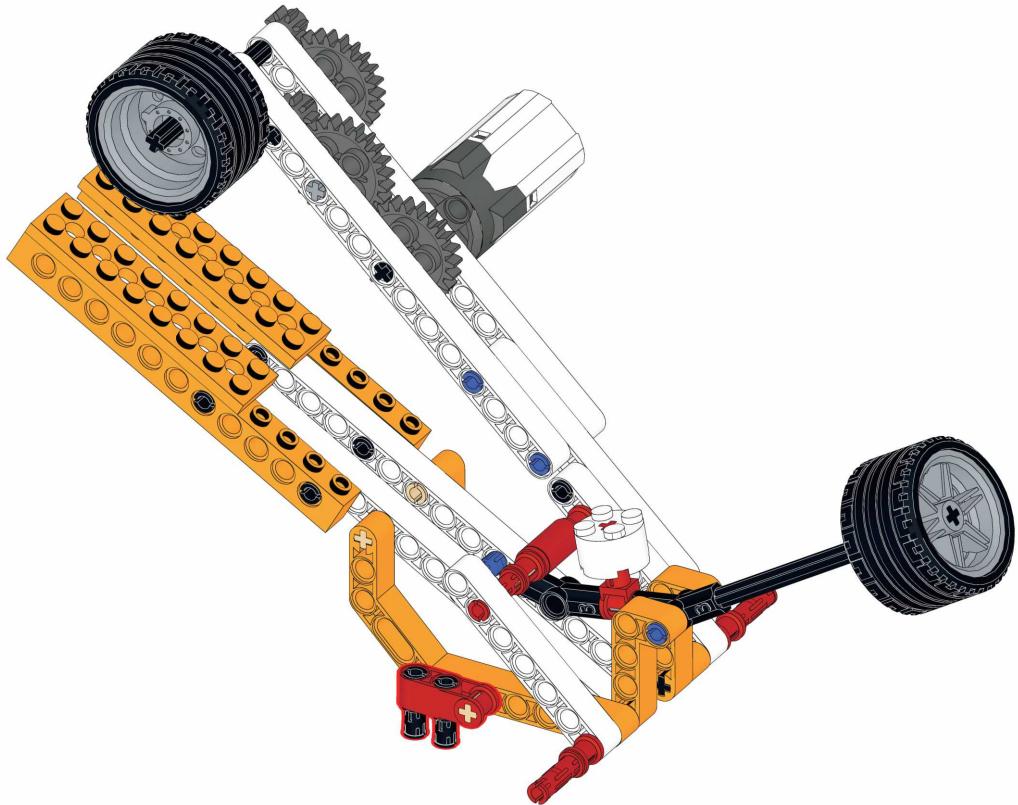
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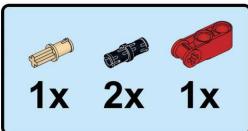


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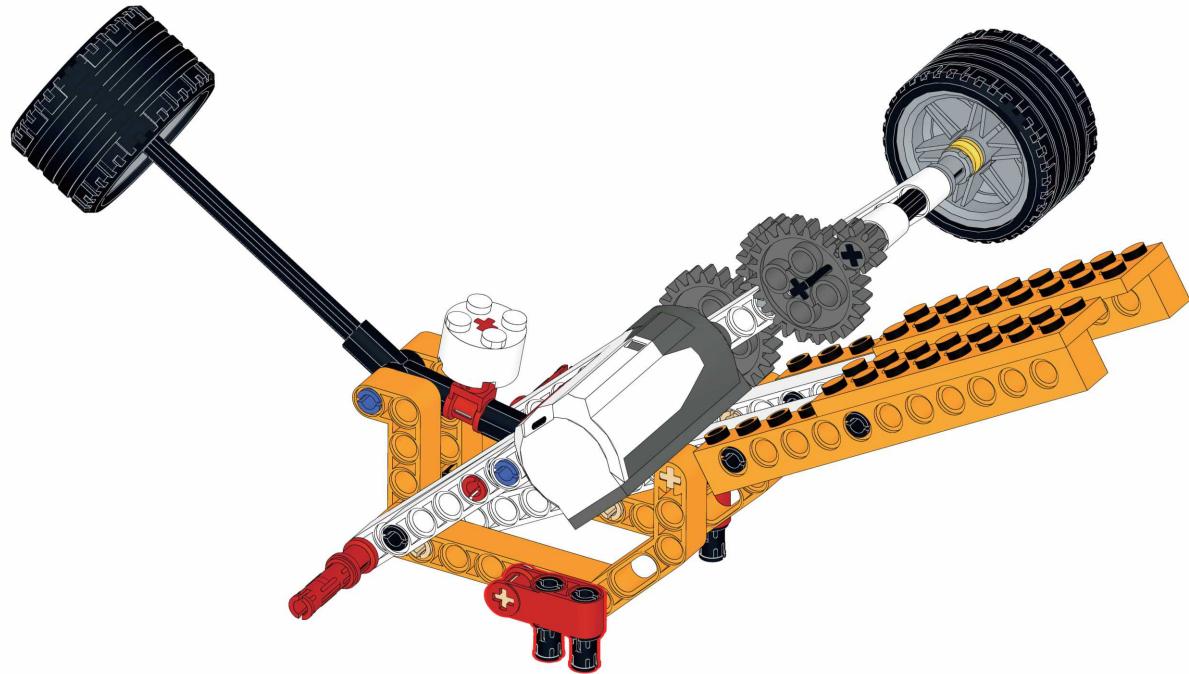


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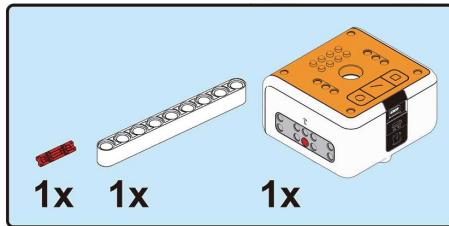




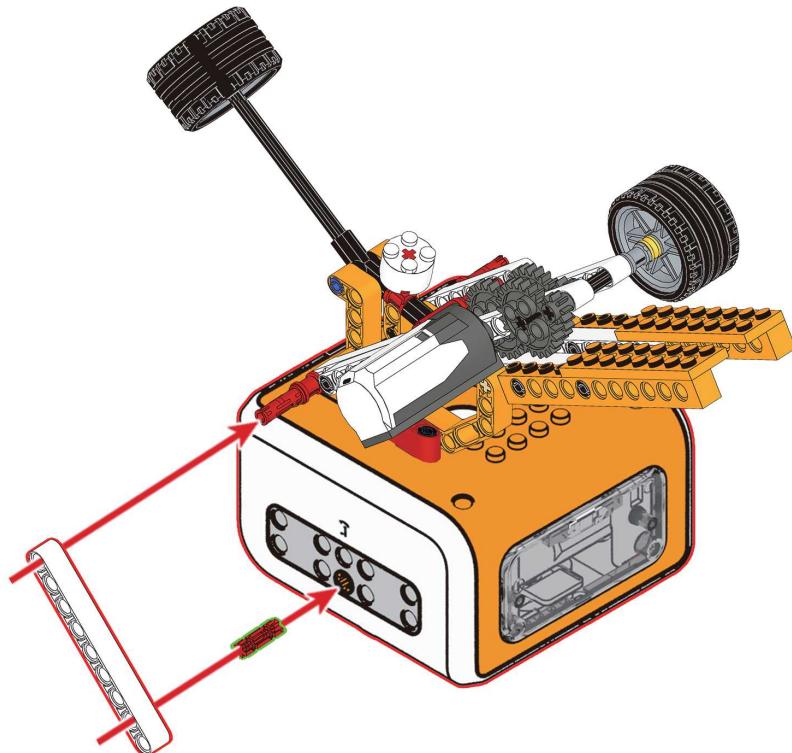
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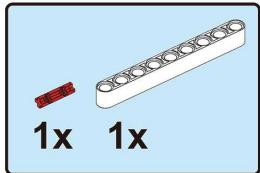


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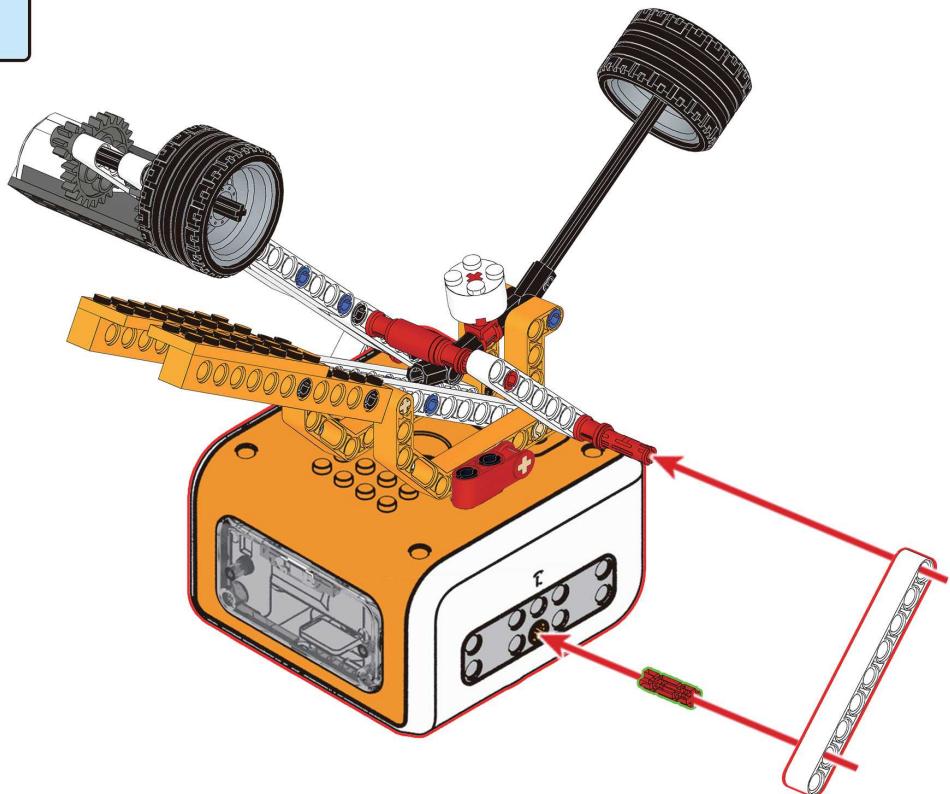


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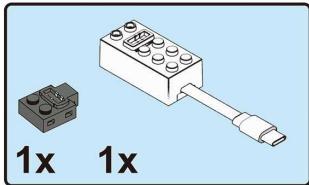




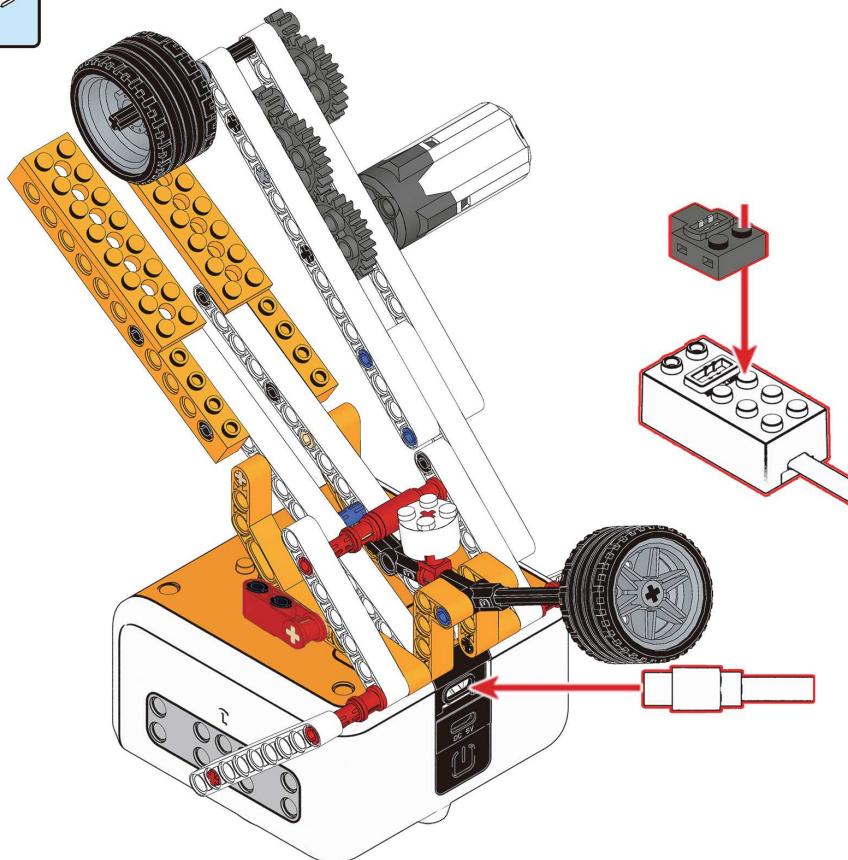
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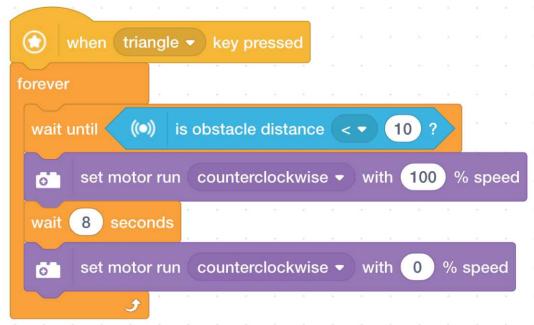


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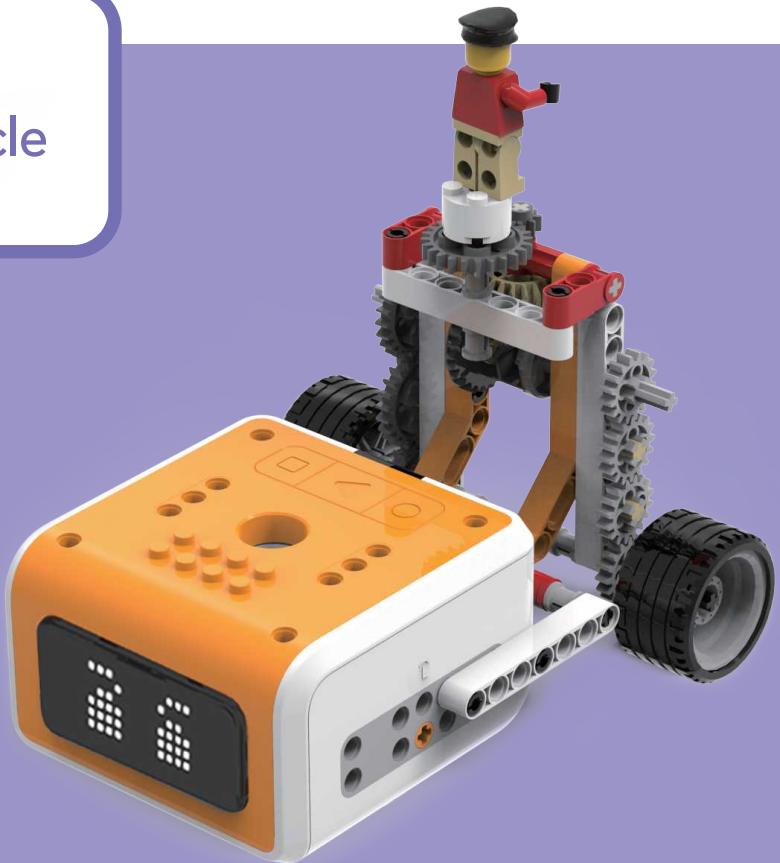


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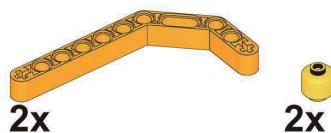
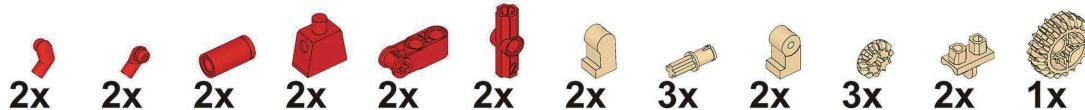
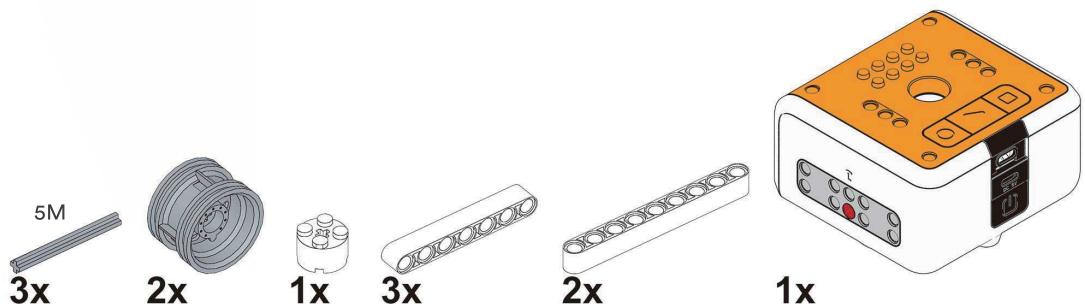
Demo Program

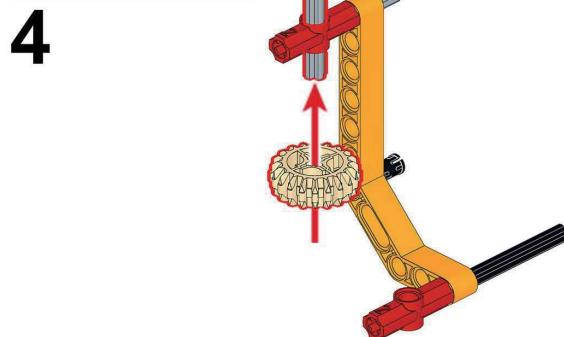
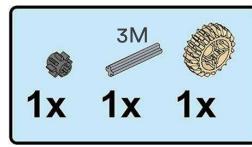
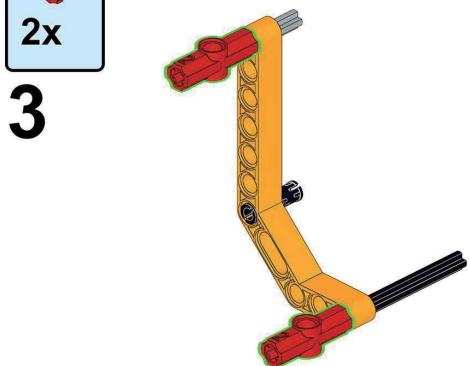
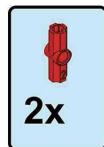
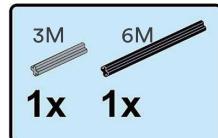
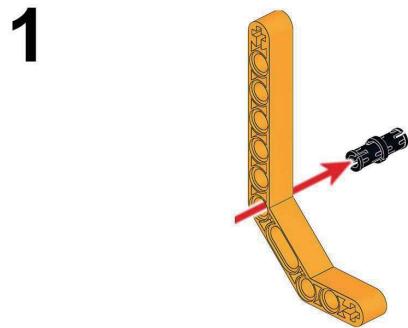
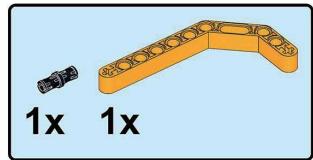


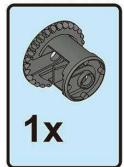
Case 18 The Guide Vehicle



Parts List



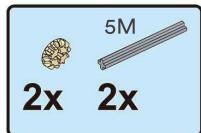
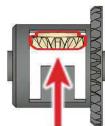




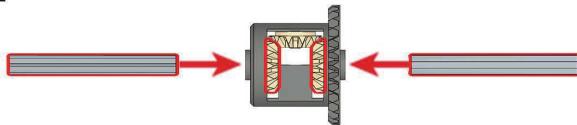
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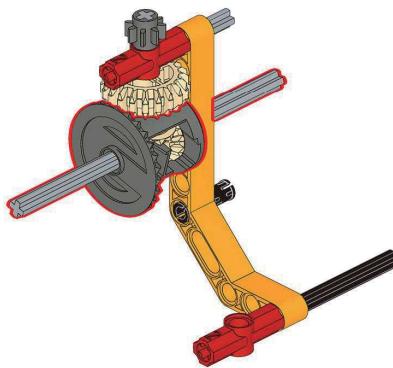
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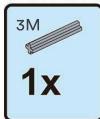
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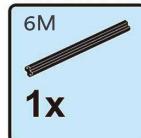
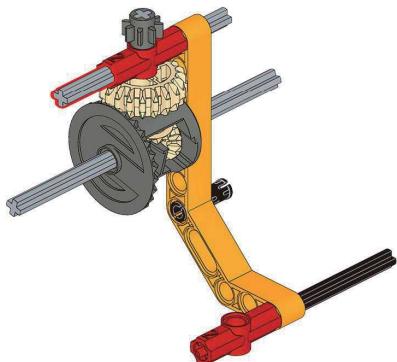
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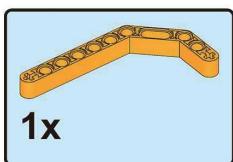
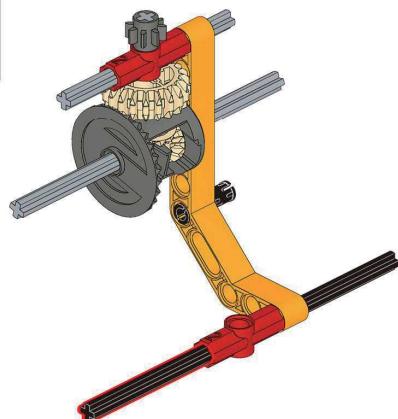
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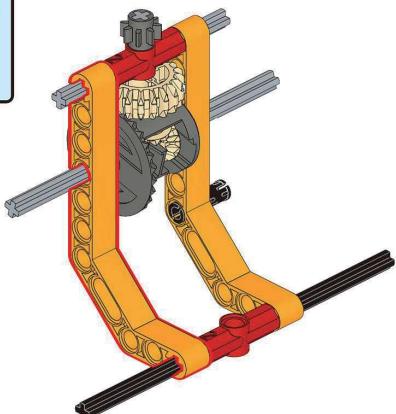
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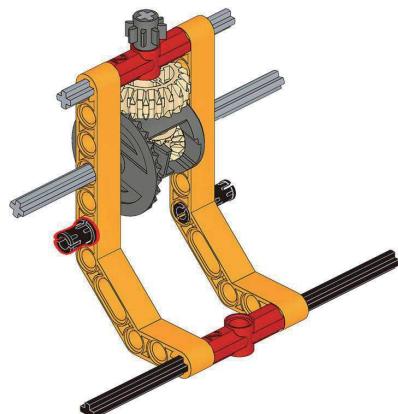
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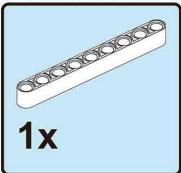
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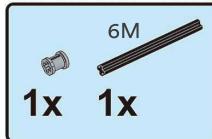
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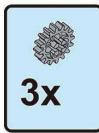
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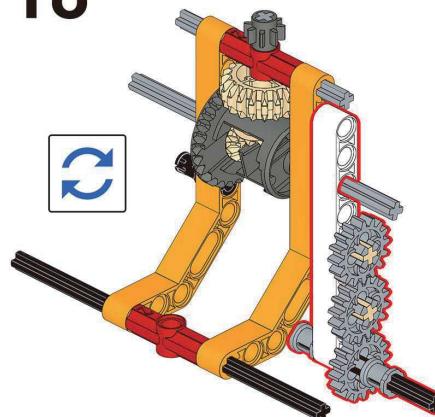


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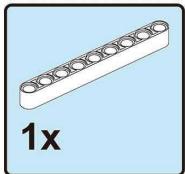


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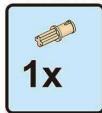
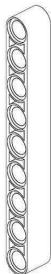
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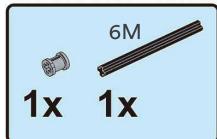
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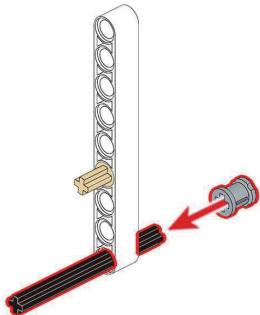
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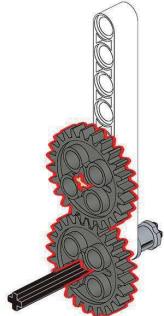
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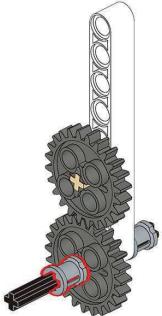
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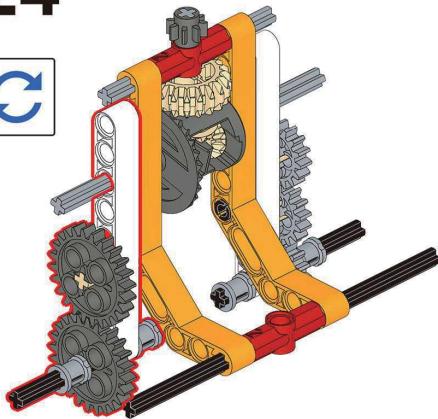
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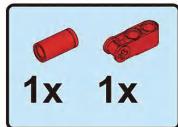
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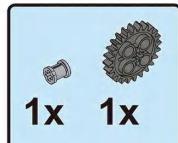
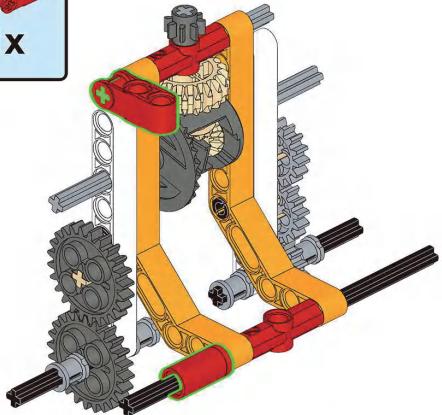
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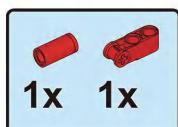
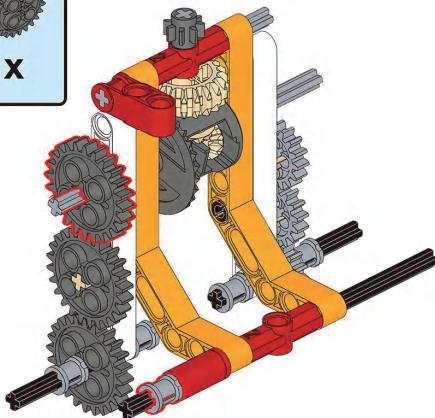
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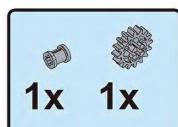
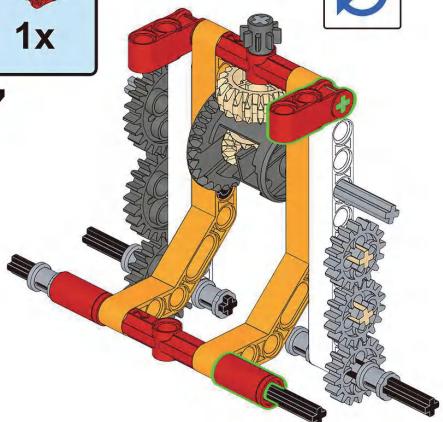
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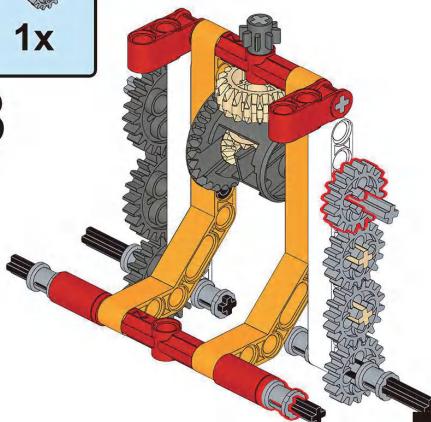
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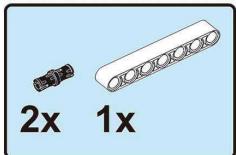


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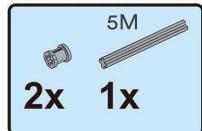
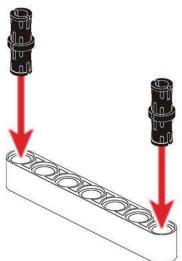


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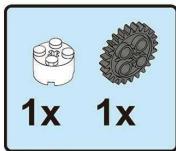
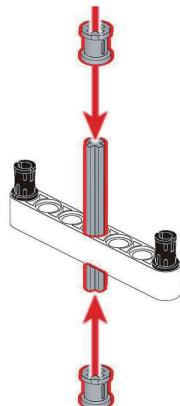




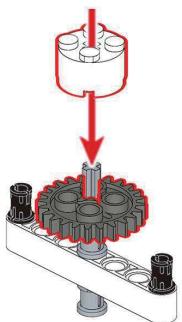
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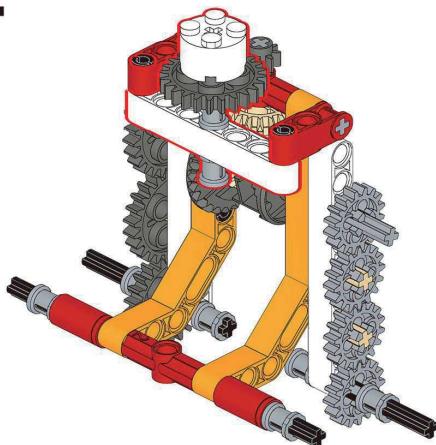
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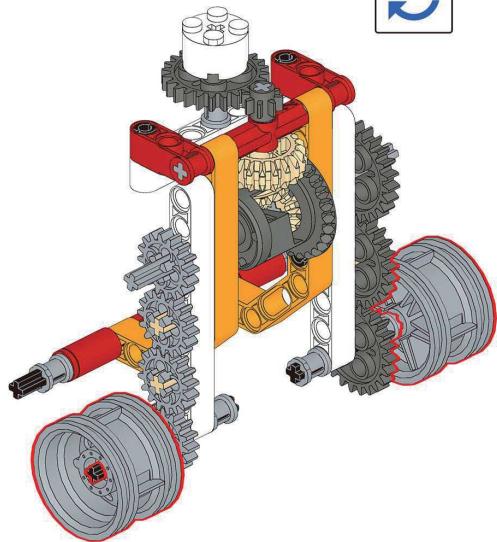
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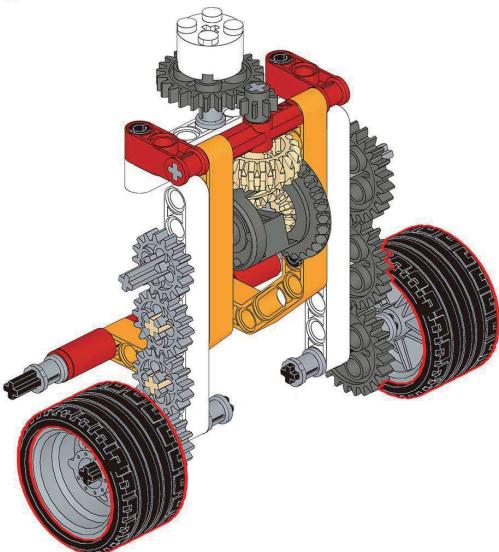
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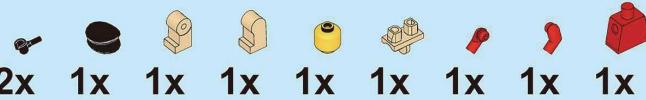
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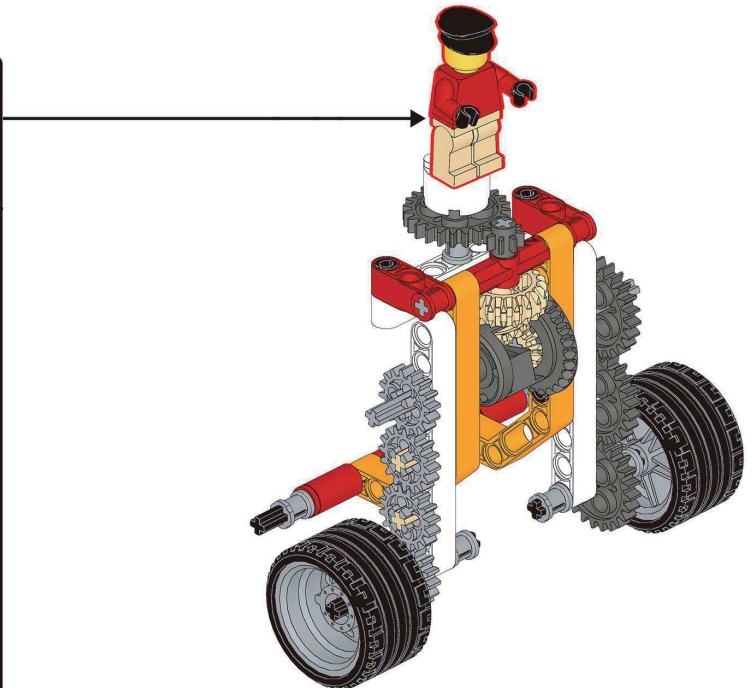
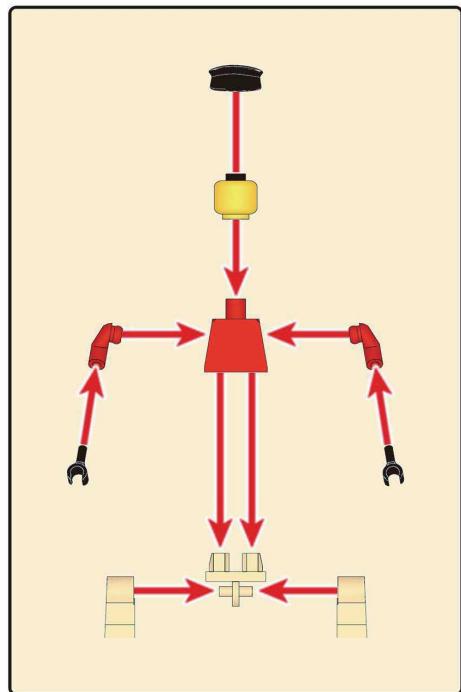
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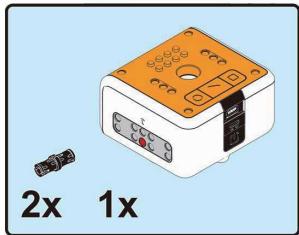
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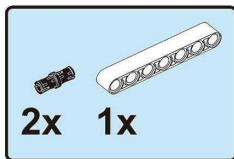
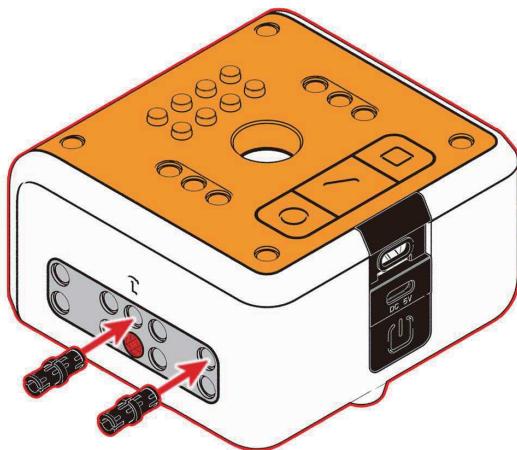


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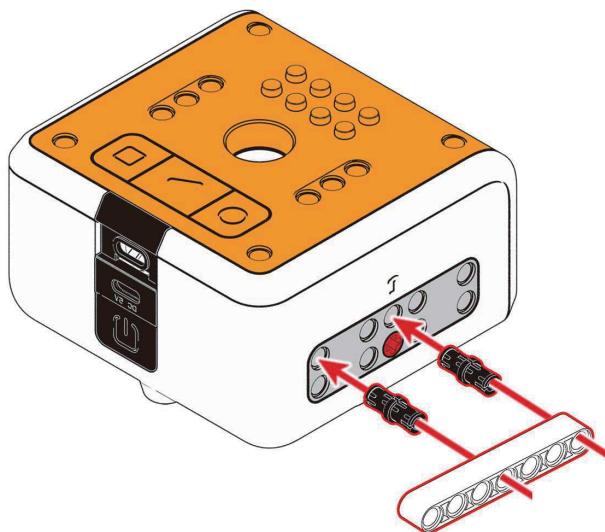


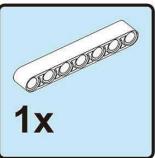


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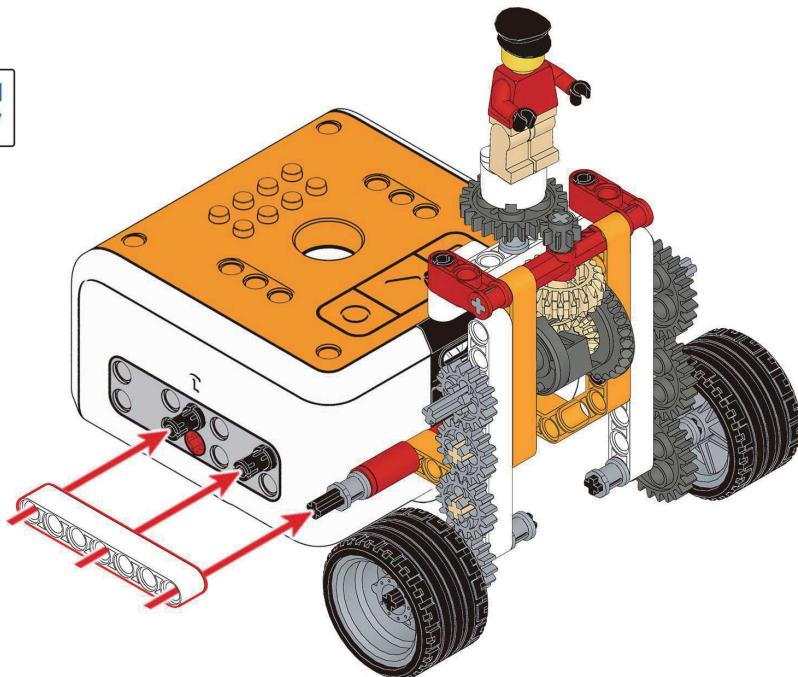
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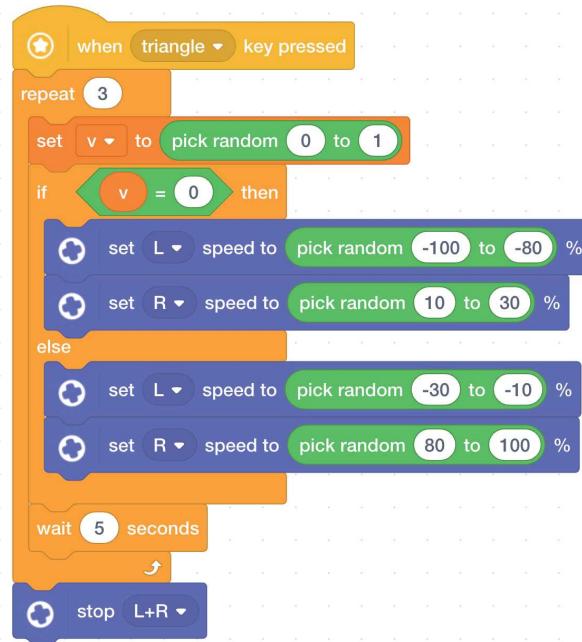
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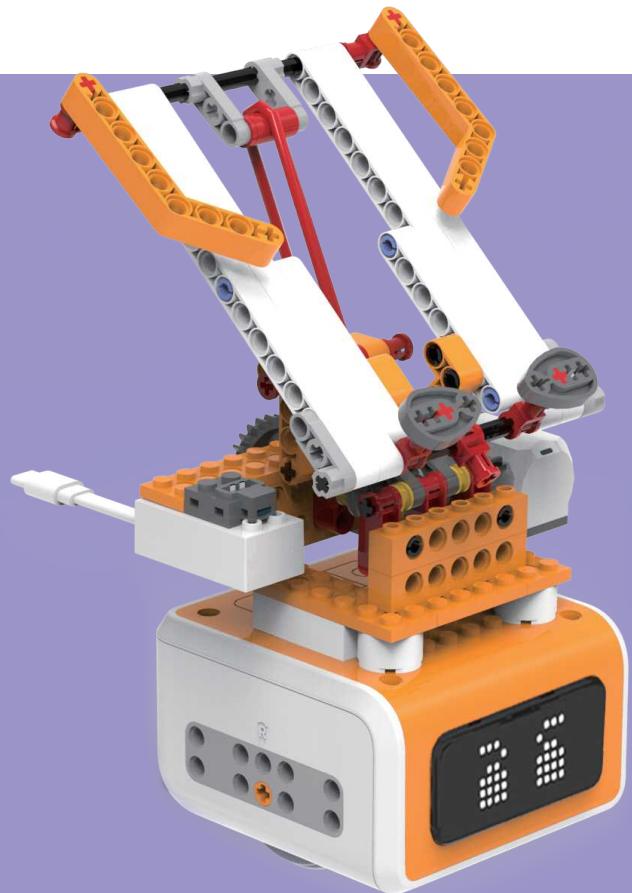


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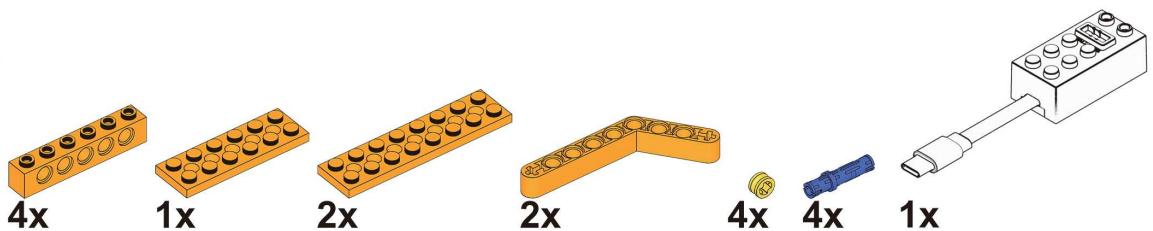
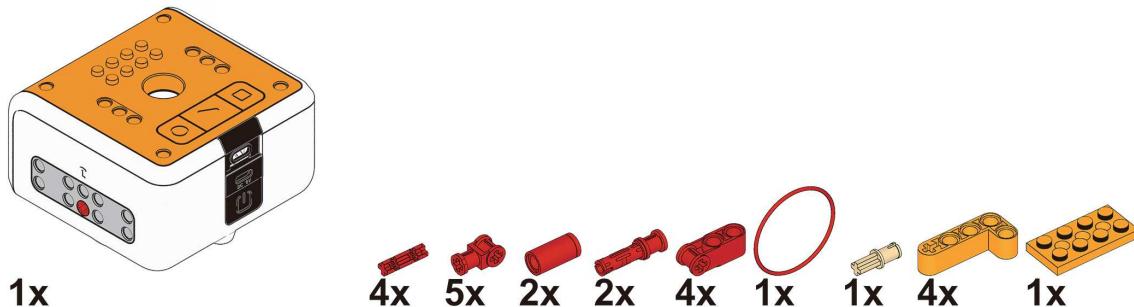
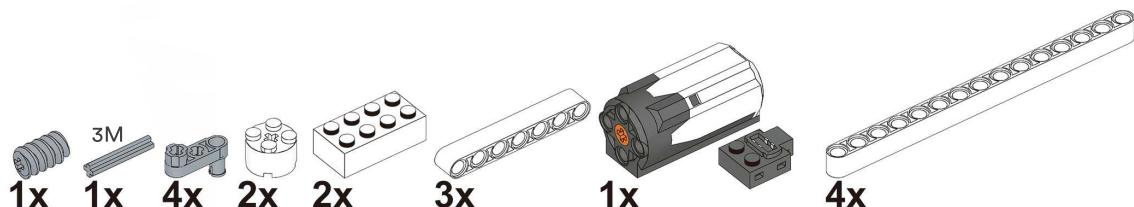
Demo Program

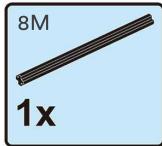


Case 19 Smartphone Holder



Parts List





1



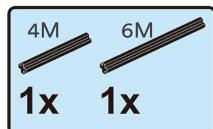
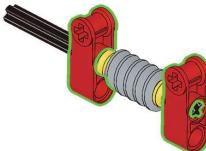
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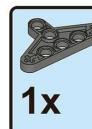
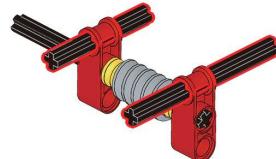
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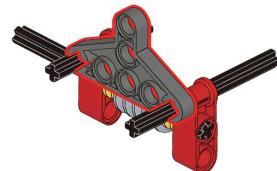
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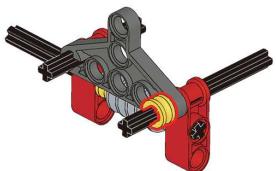
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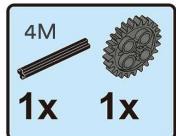
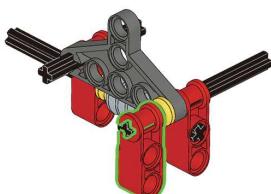
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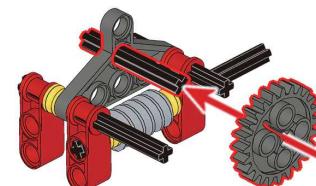
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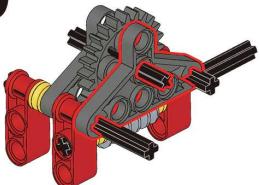
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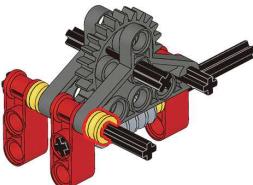
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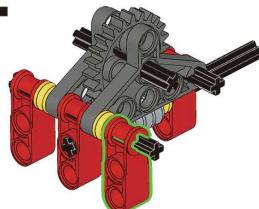
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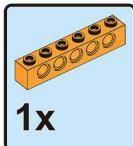
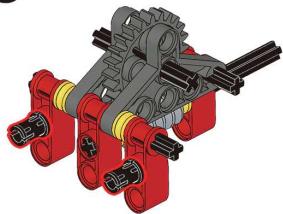
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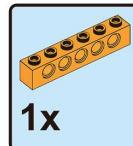
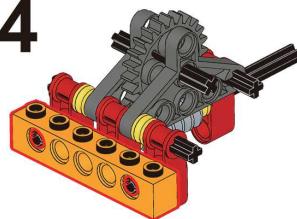
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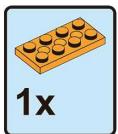
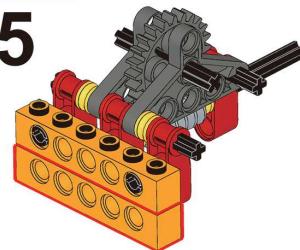
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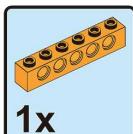
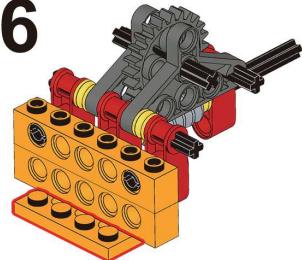
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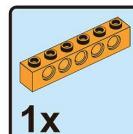
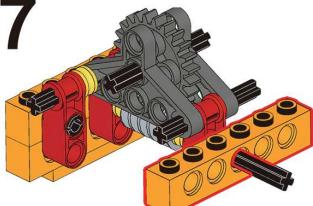
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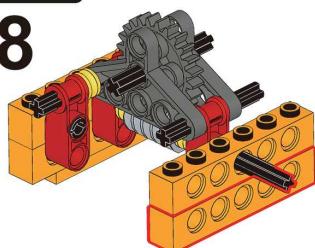
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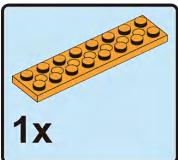
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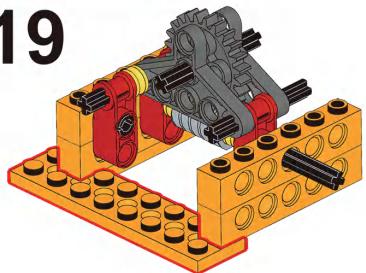
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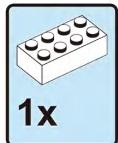
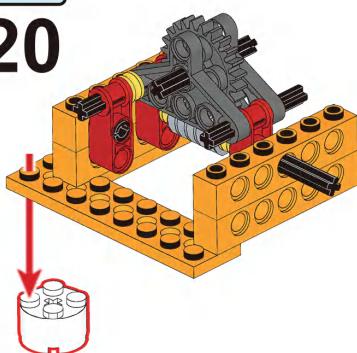
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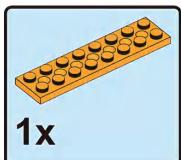
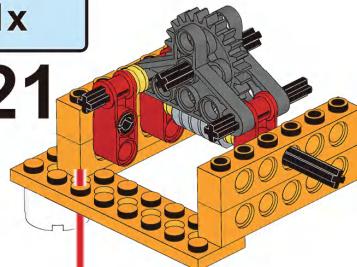
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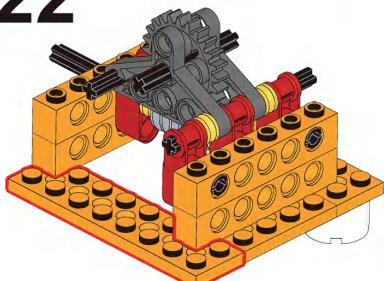
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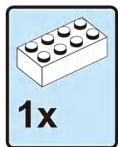
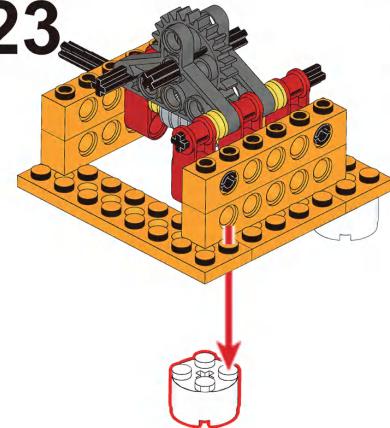
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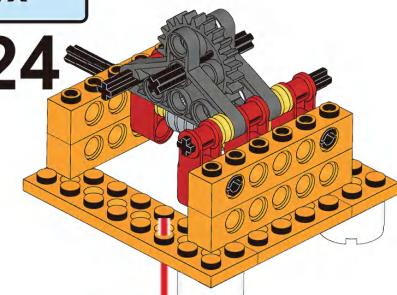
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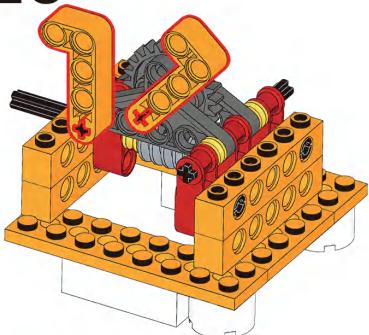


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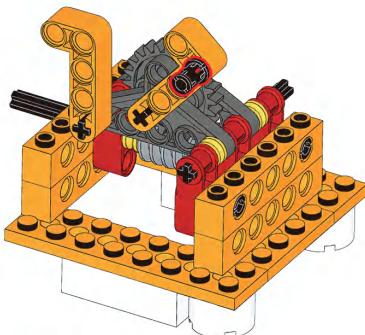




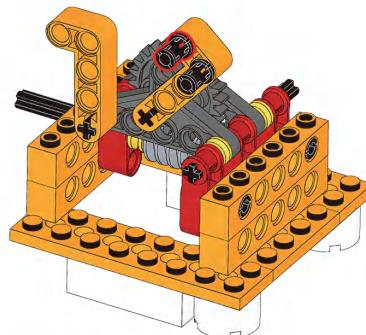
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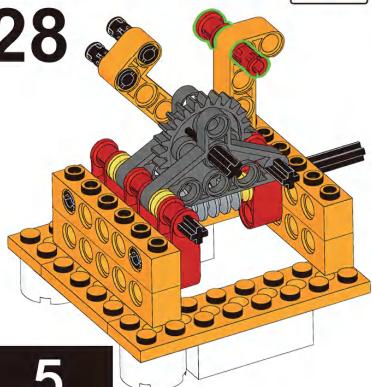
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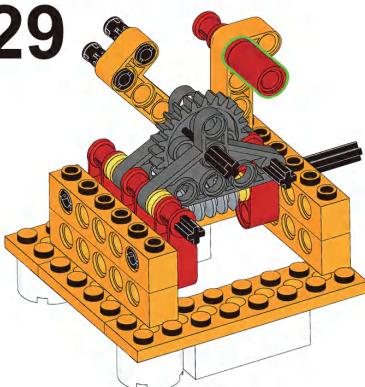
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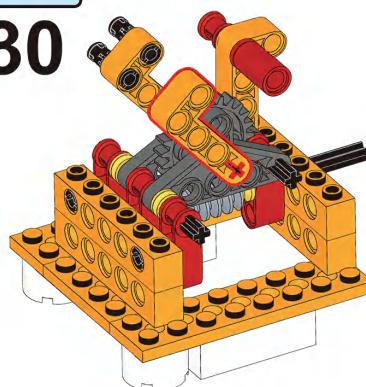
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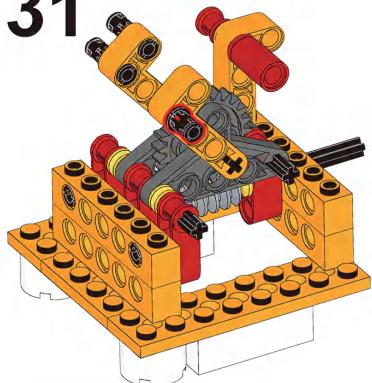
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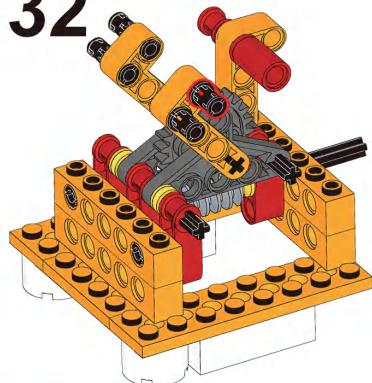
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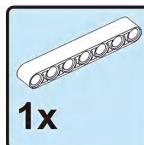
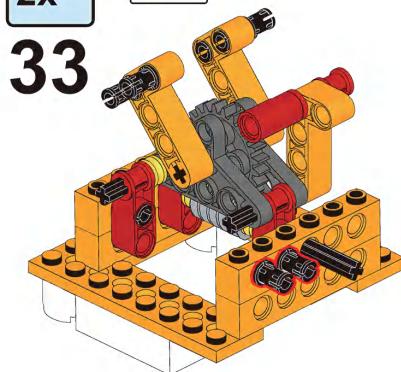
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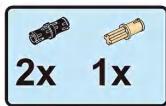
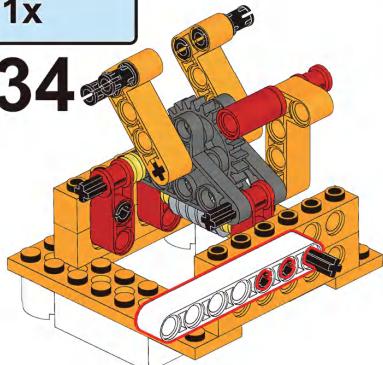
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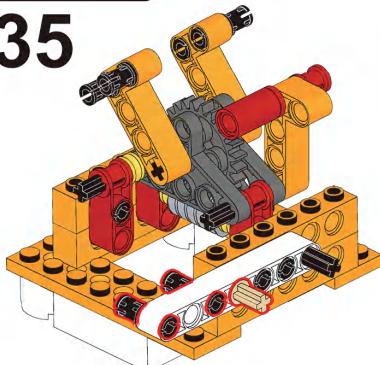
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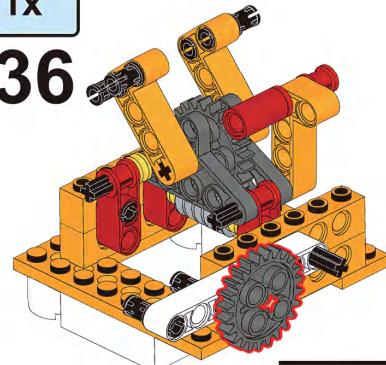
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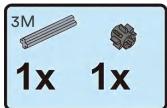


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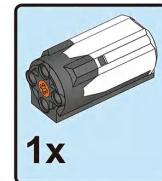
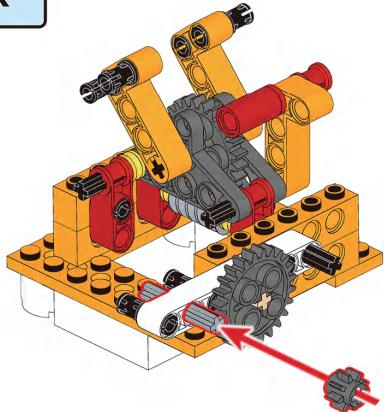


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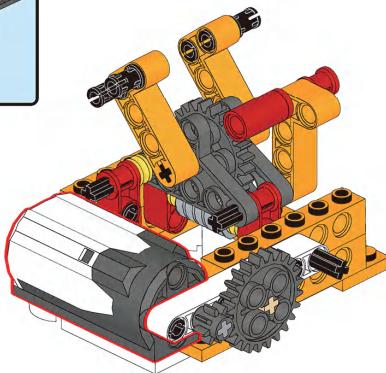




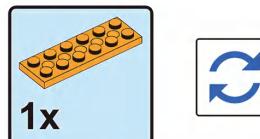
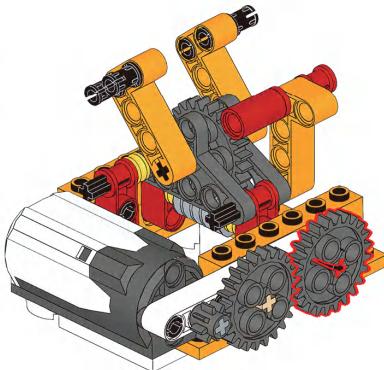
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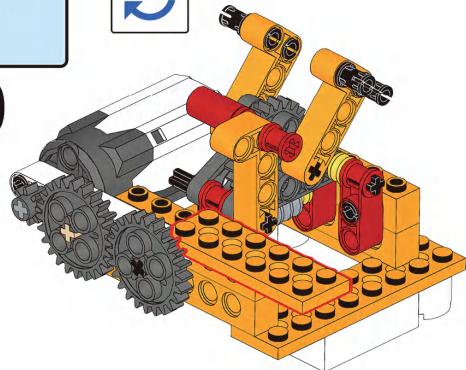
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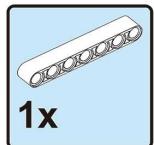


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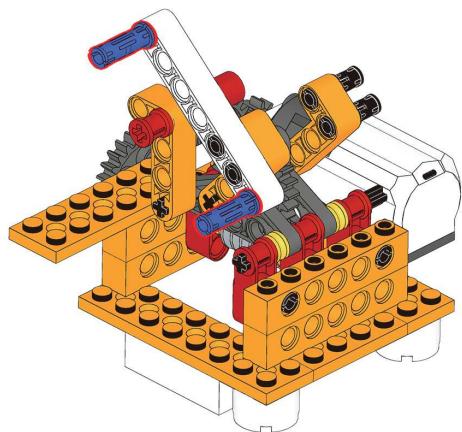
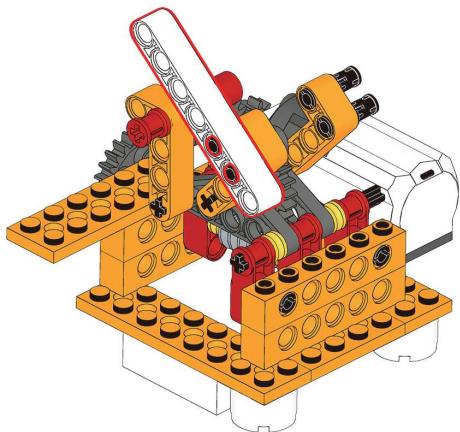
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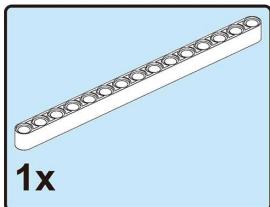
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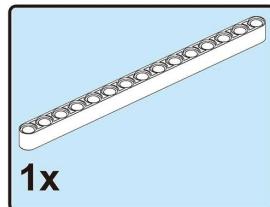
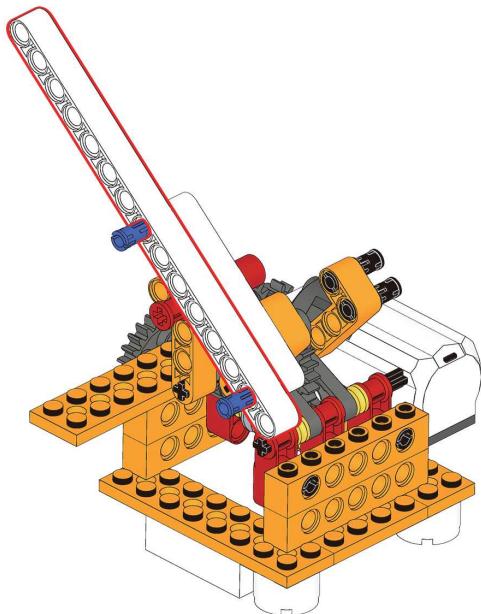
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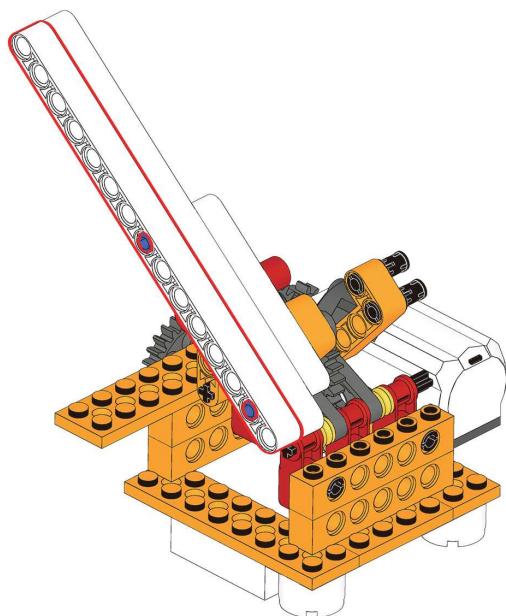




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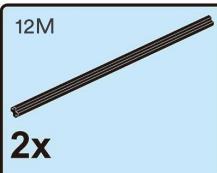
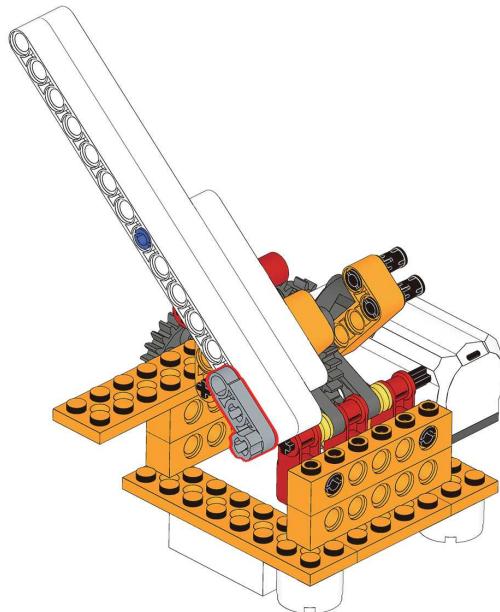
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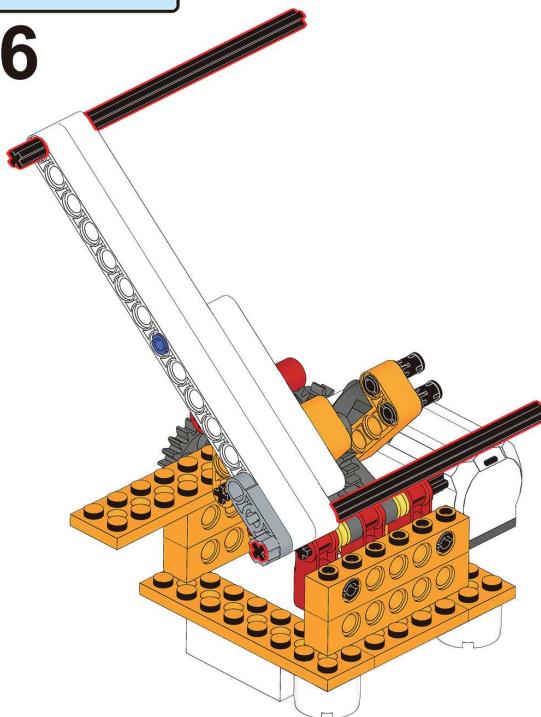
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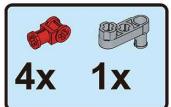


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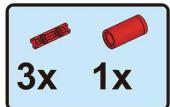
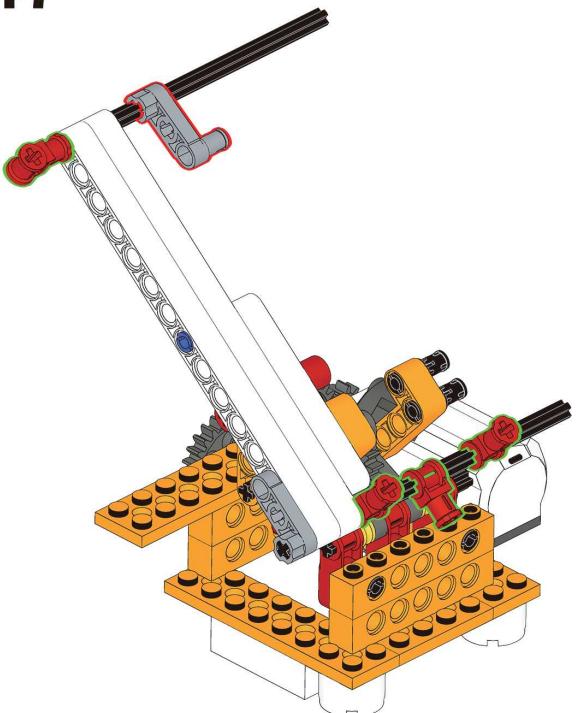
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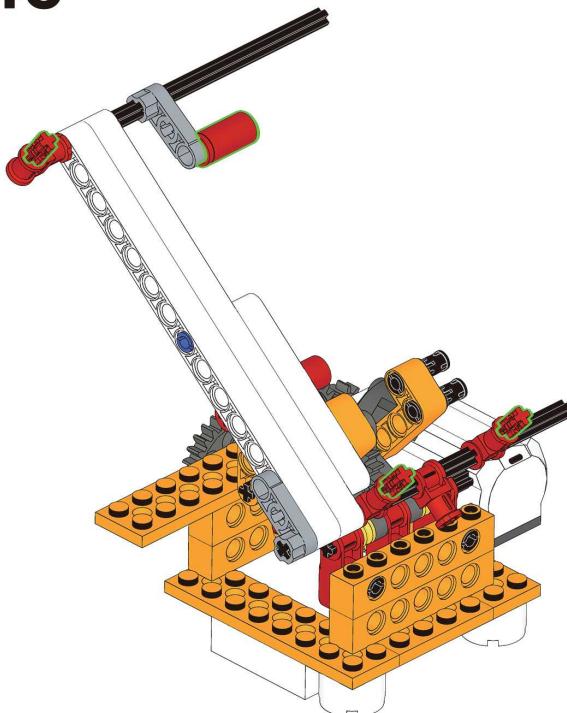
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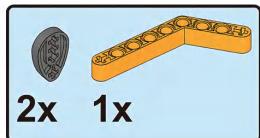
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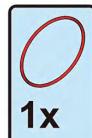
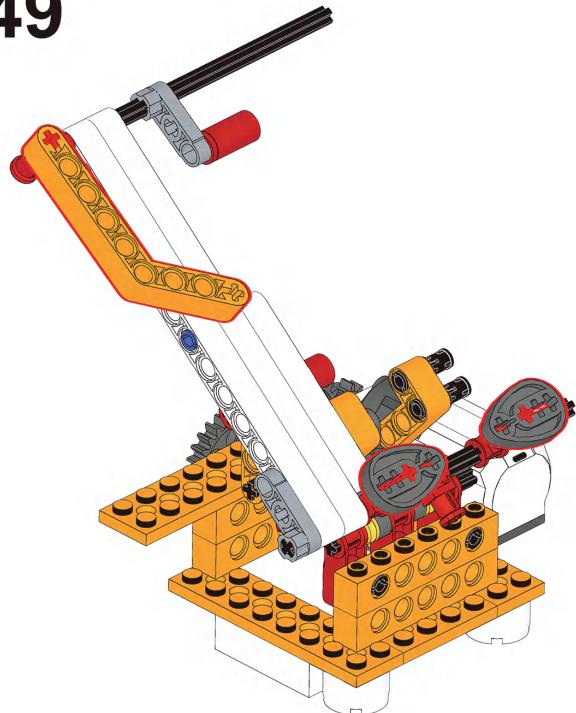
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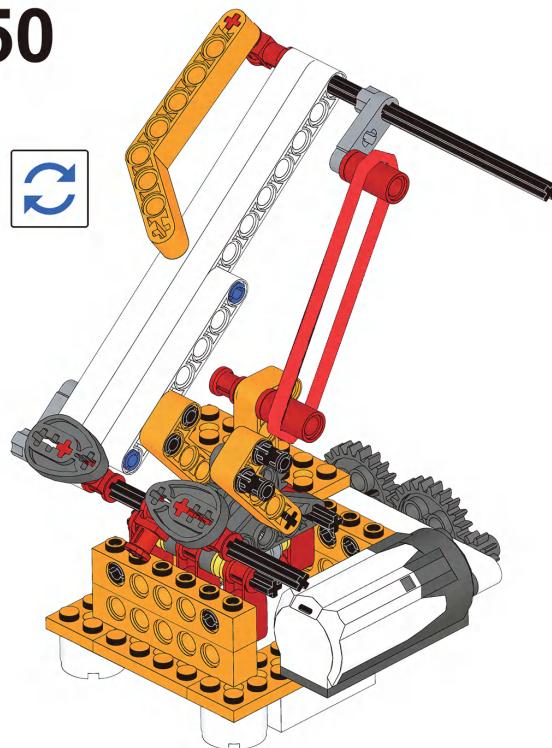
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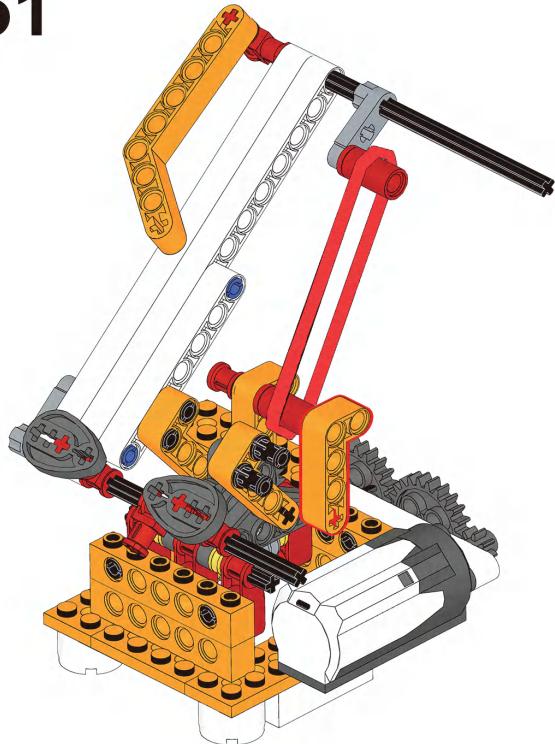
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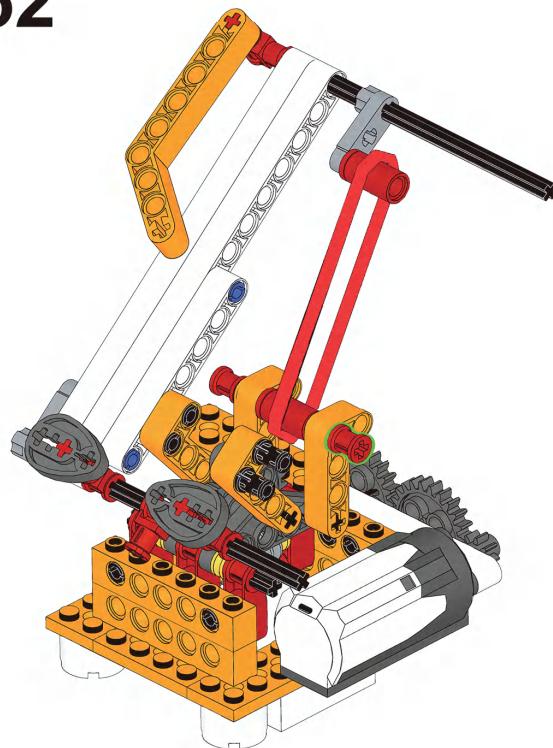
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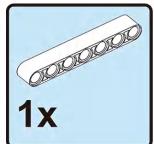


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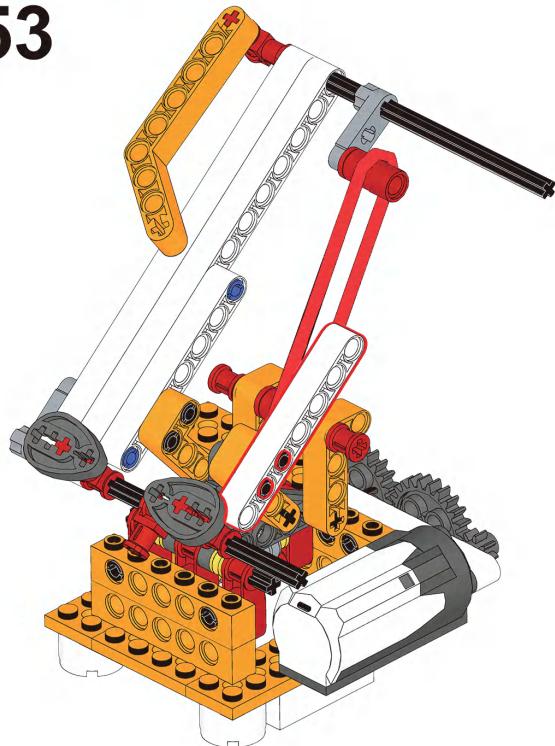
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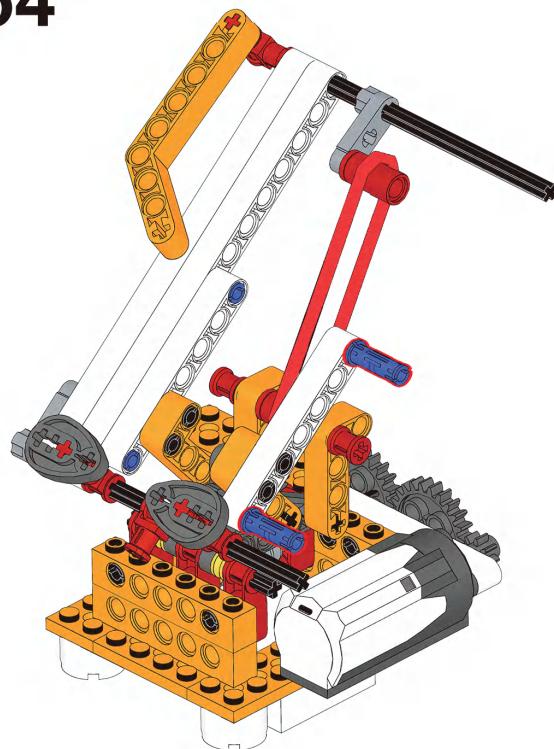
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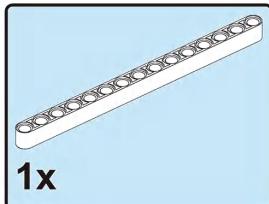
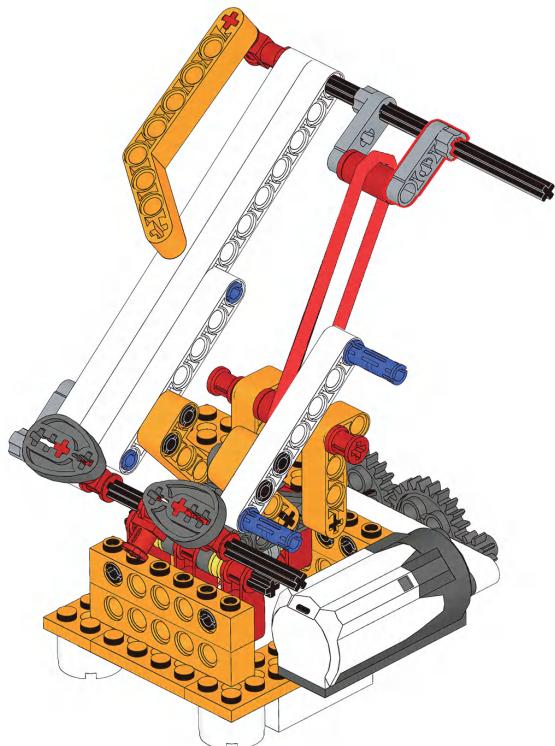


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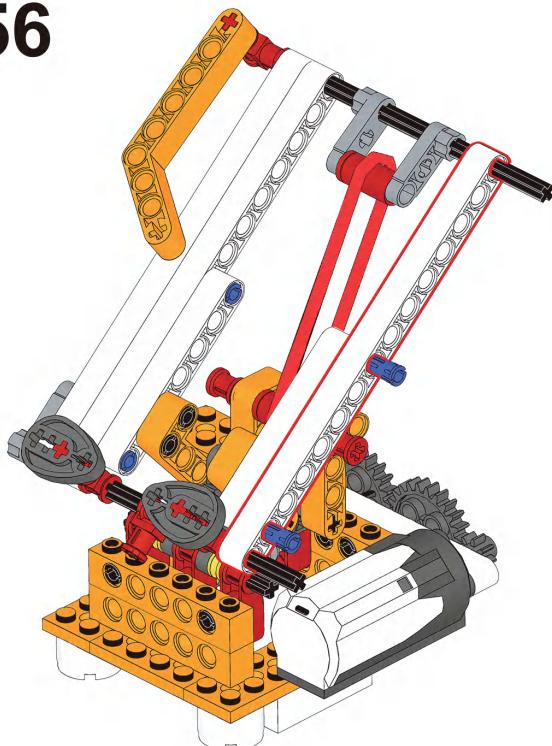
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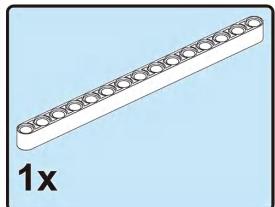


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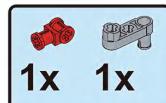
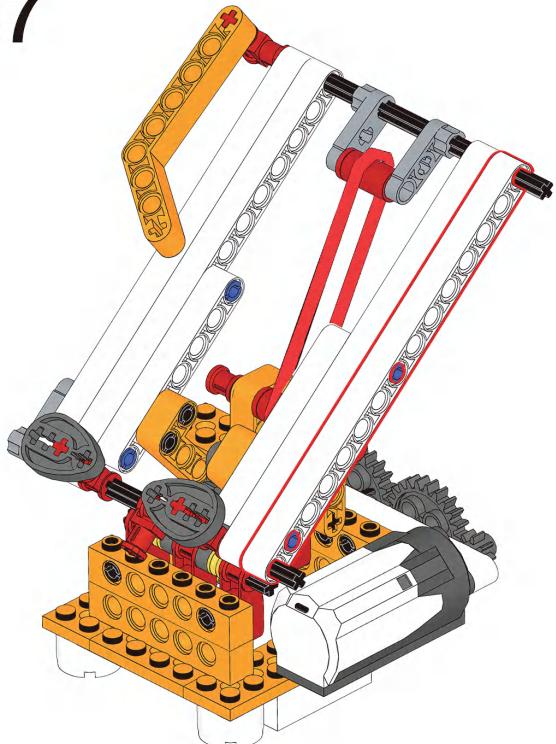
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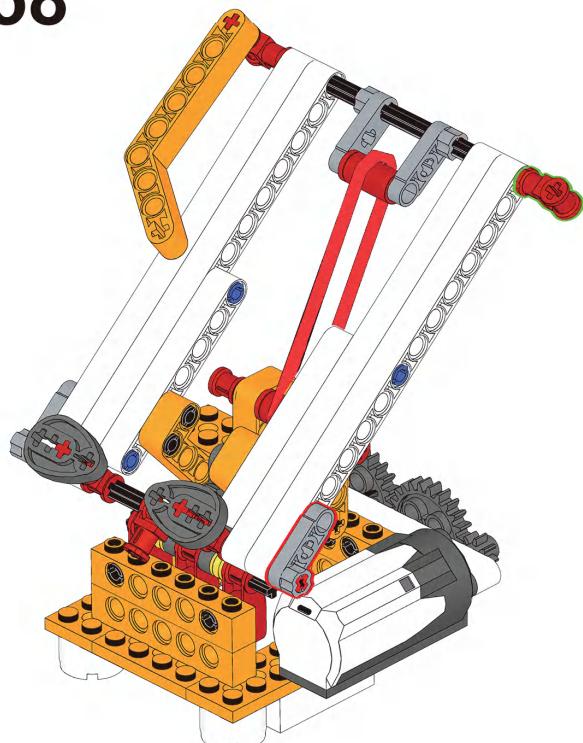
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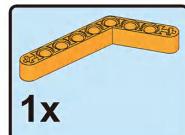
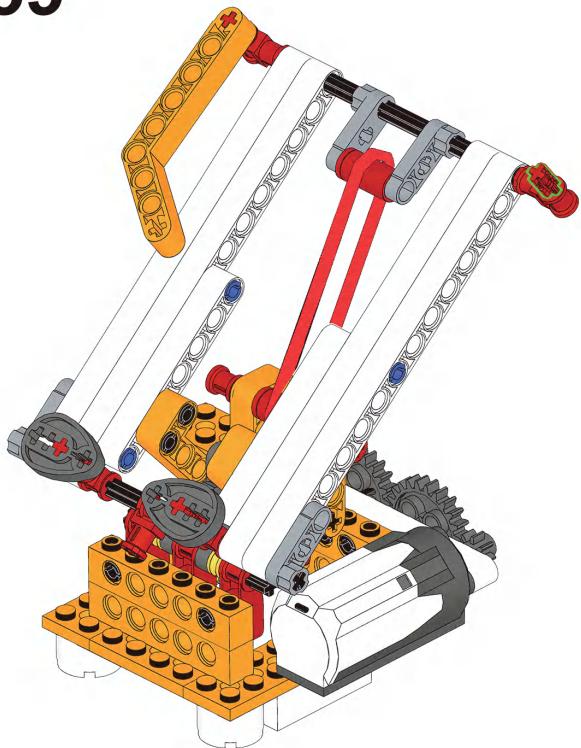
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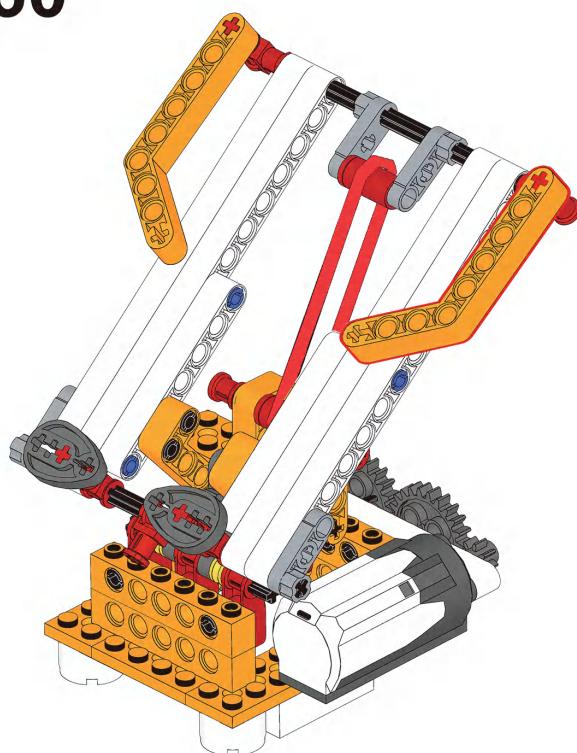
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59

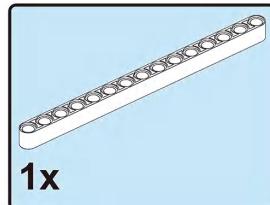
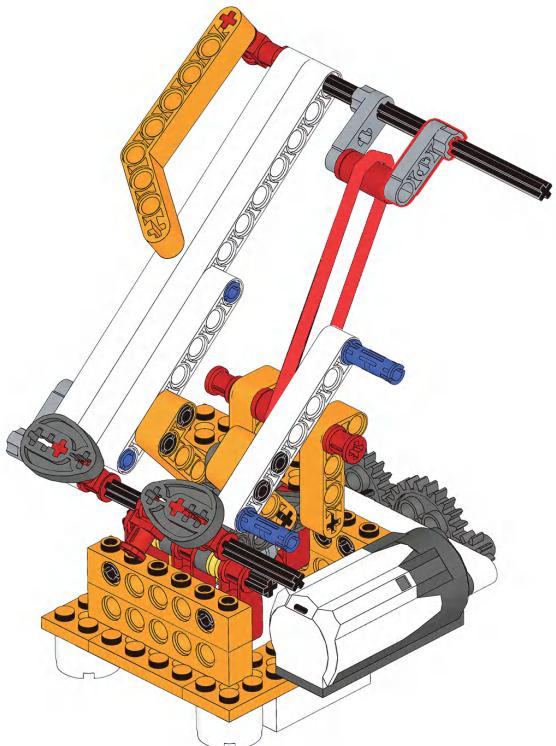
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60**17**



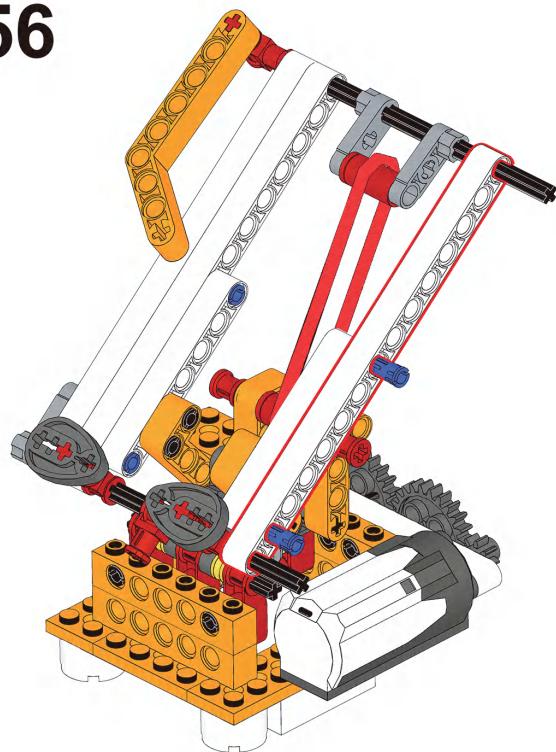
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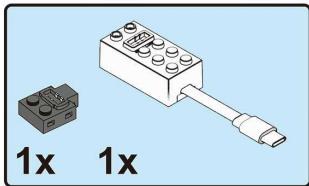


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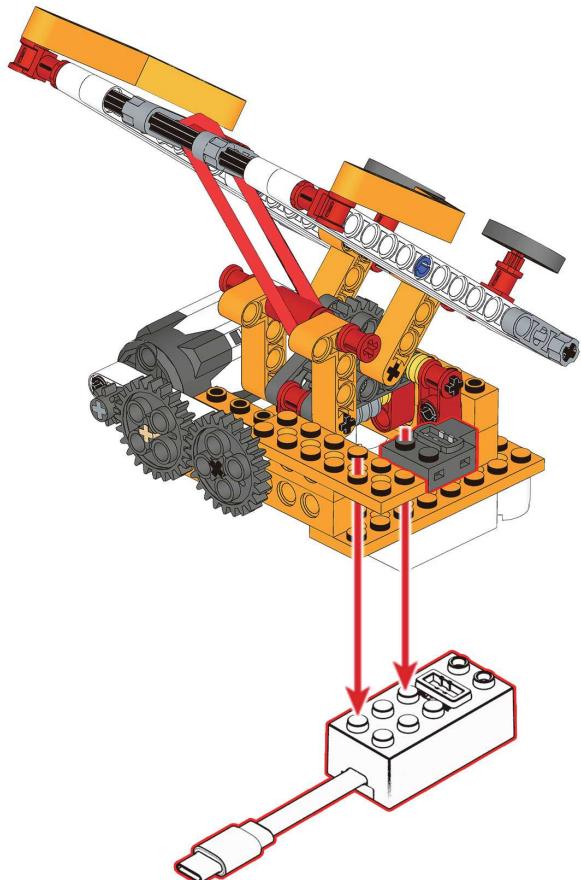
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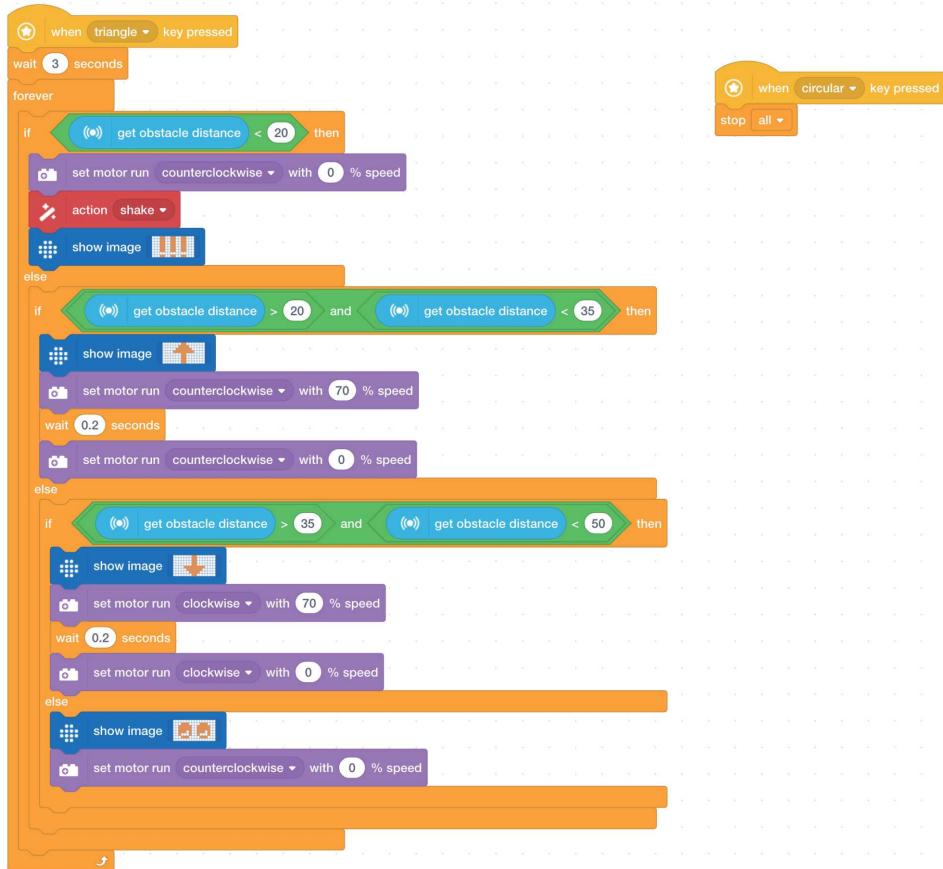
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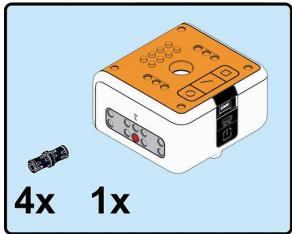


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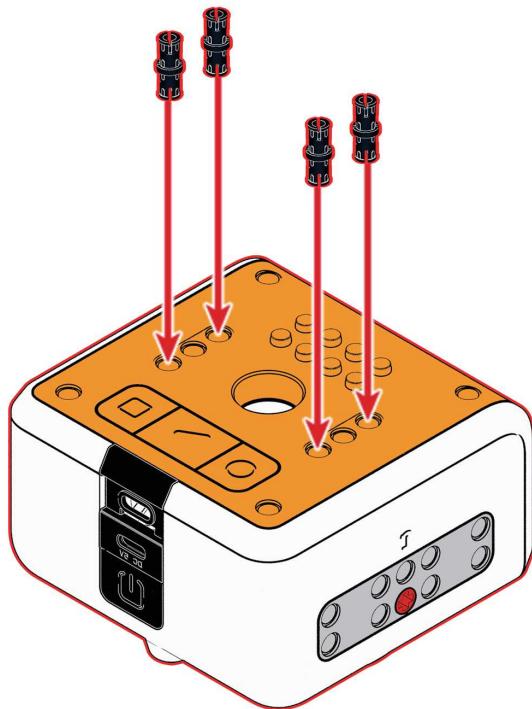


Demo Program



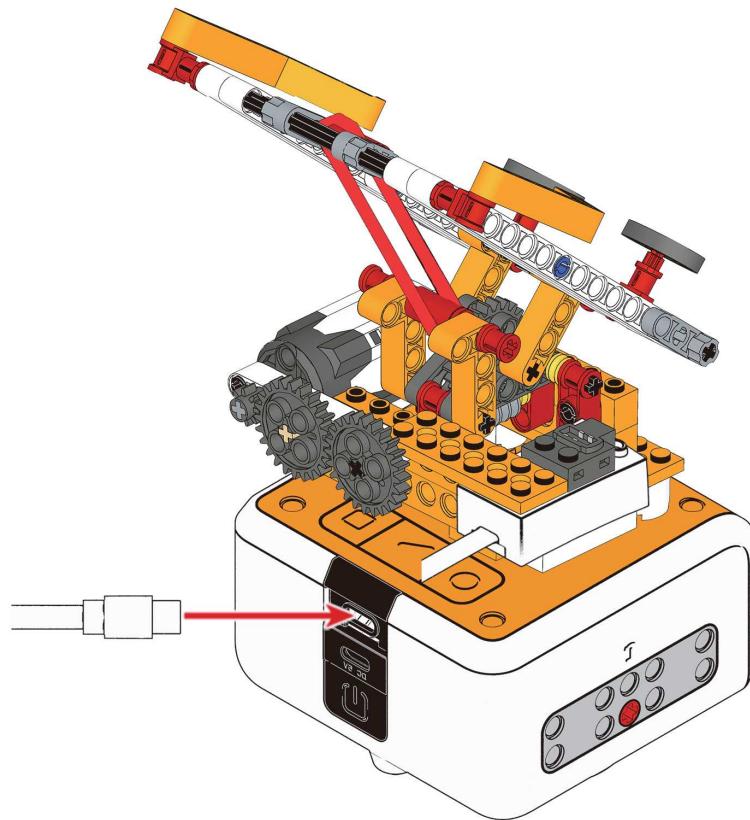


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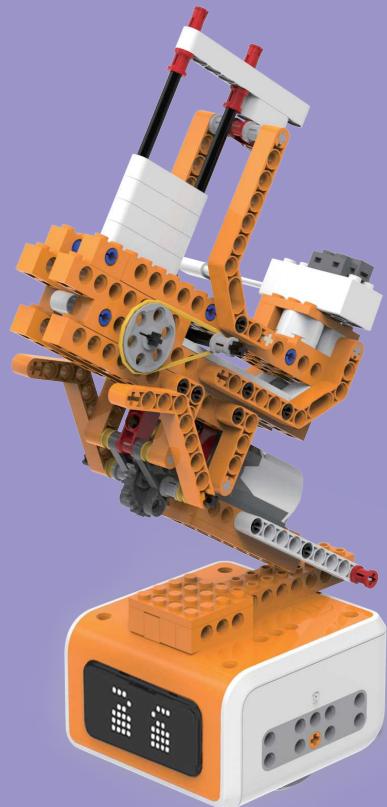
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63

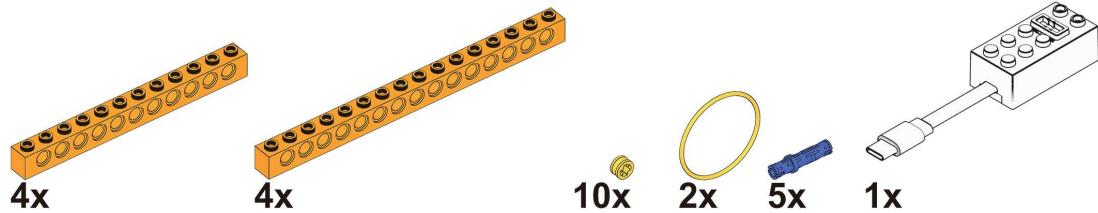
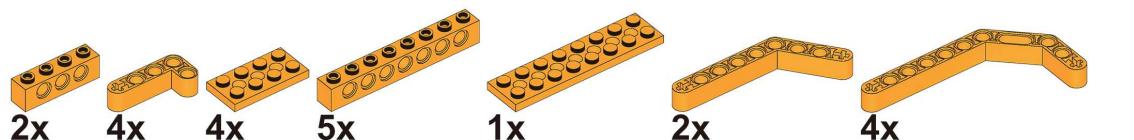
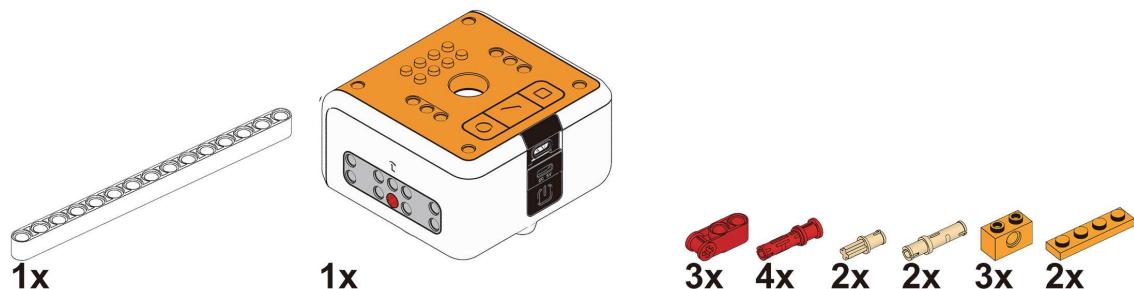
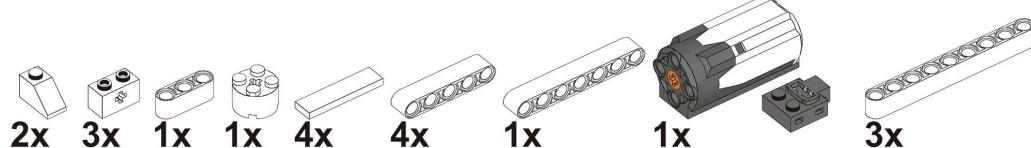


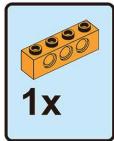
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Case 20 Automatic Turret

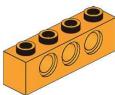


Parts List

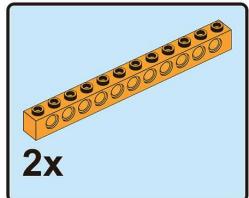




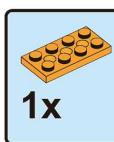
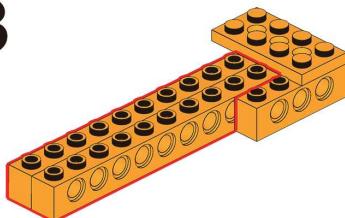
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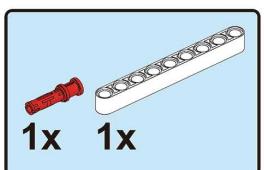
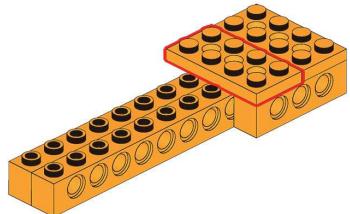
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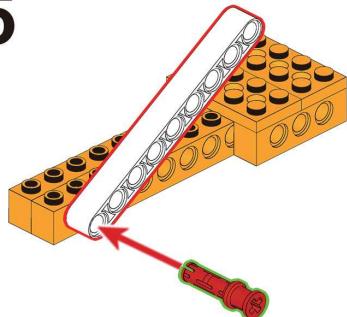
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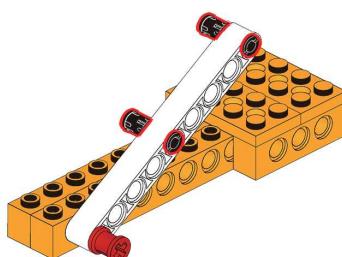
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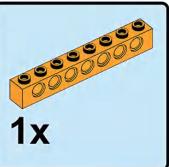
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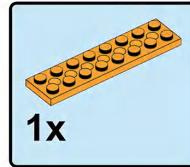
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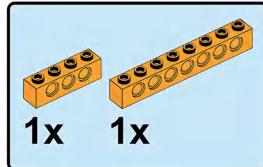
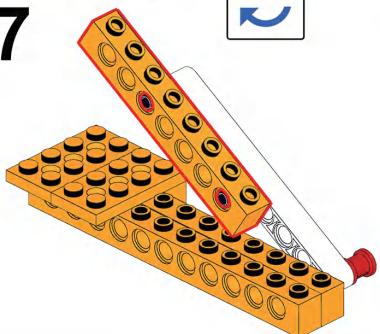
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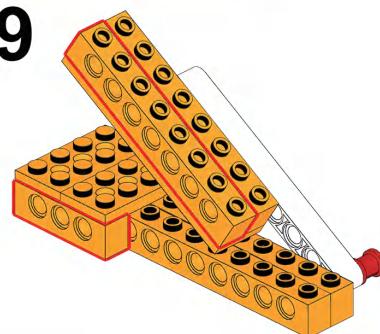
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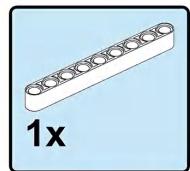
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9



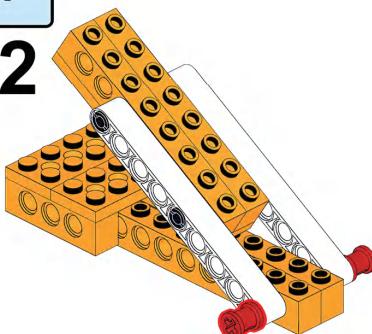
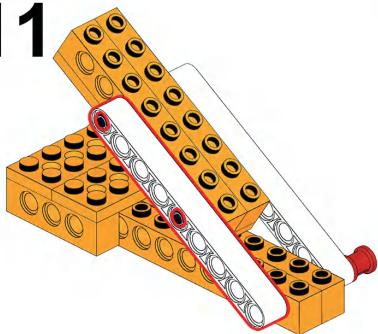
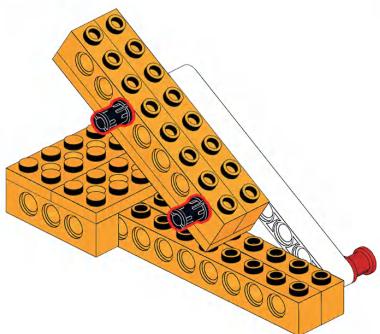
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11



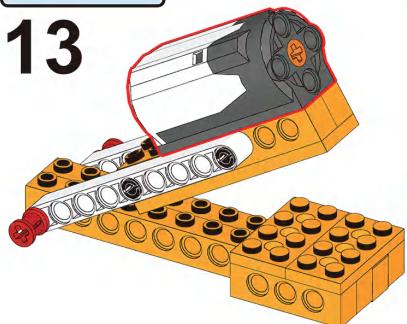
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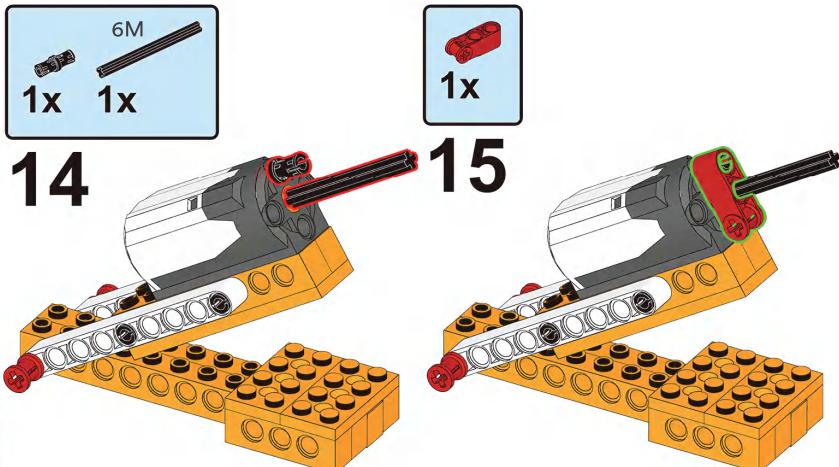
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13



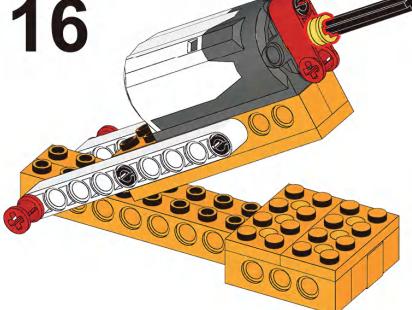
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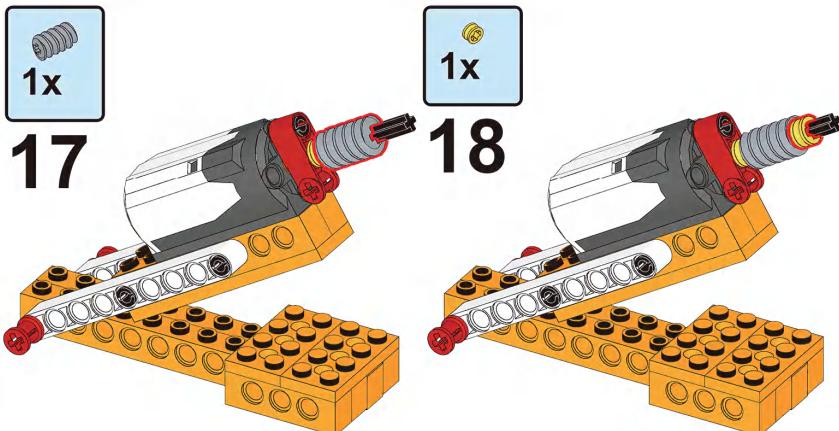
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16



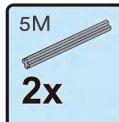
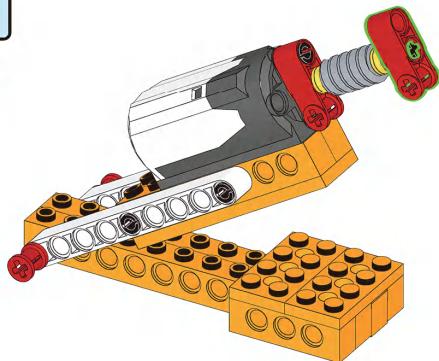
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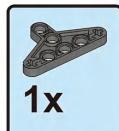
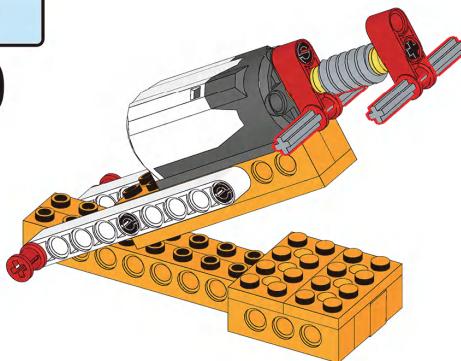
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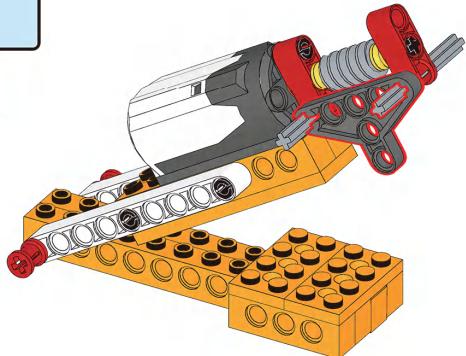
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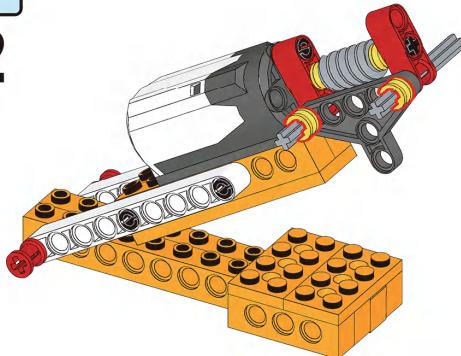
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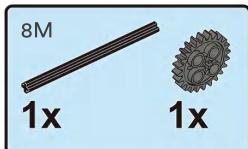


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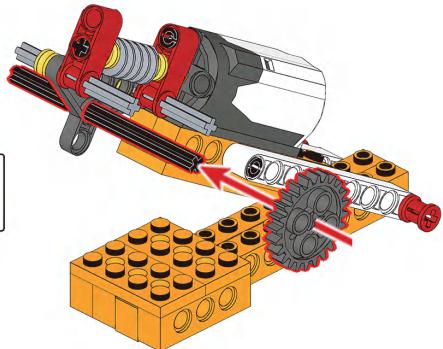


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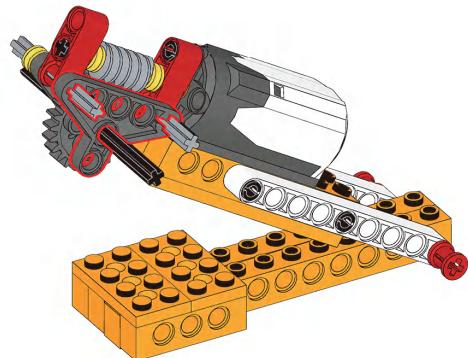




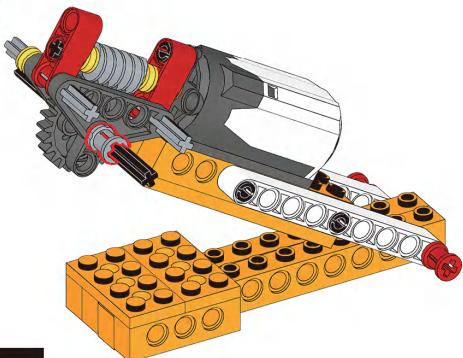
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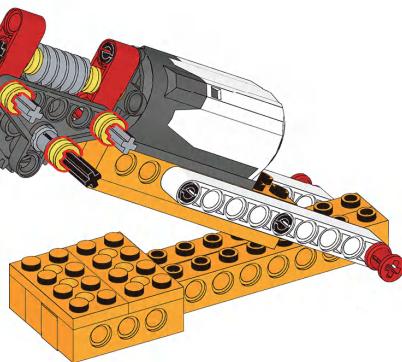
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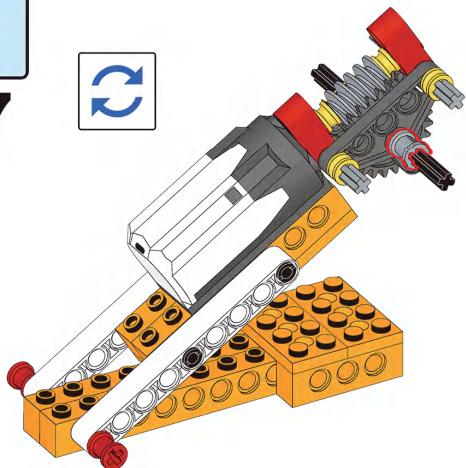
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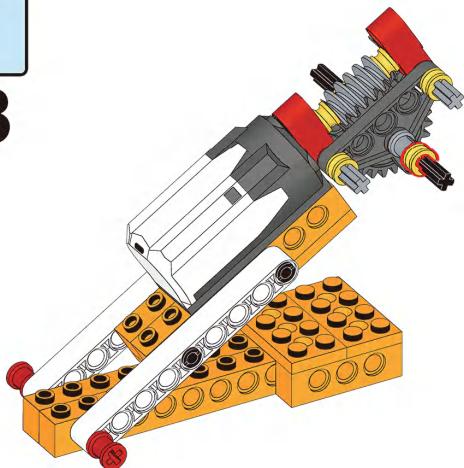
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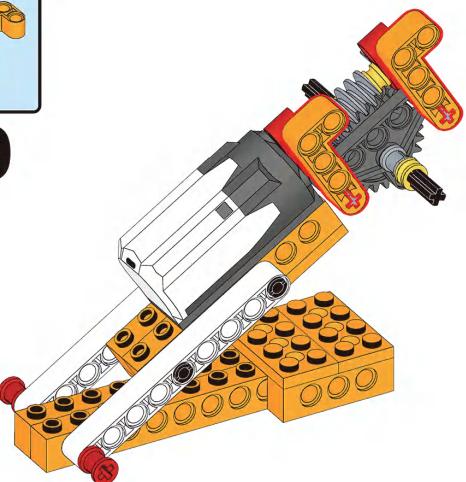
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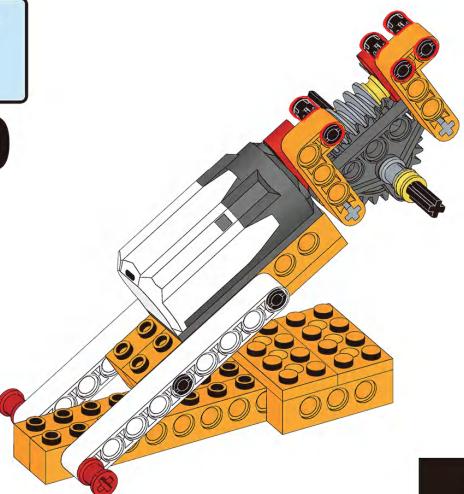
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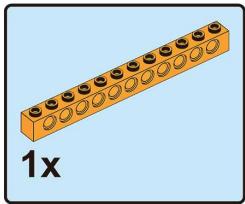


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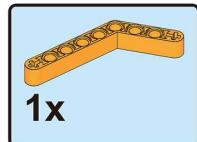
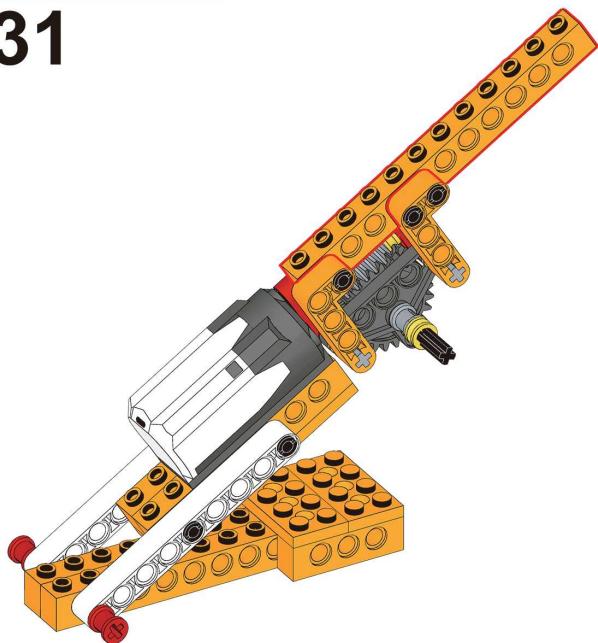


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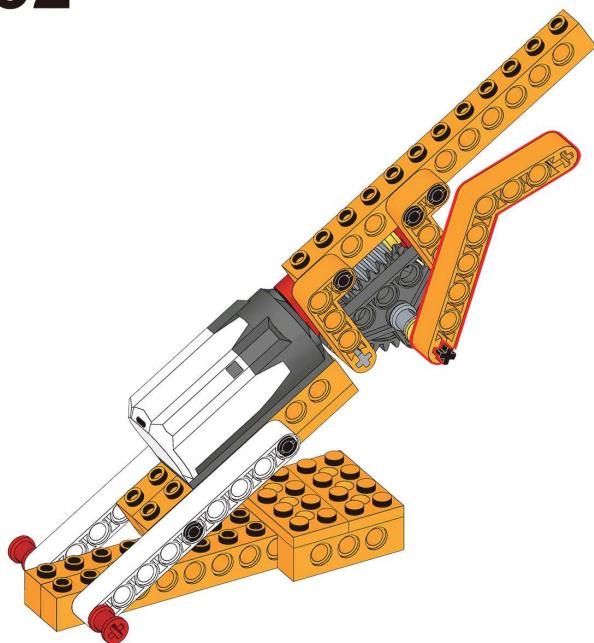




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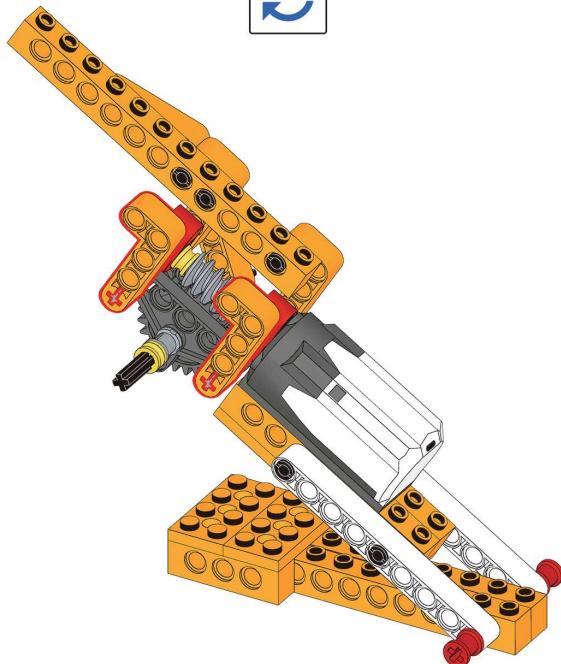


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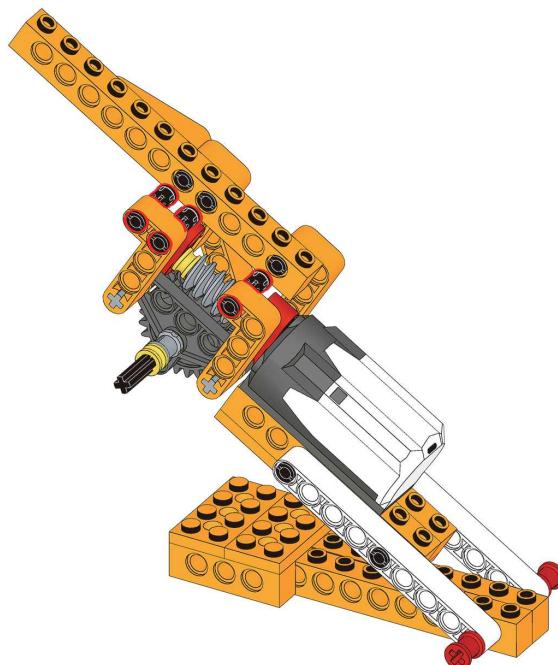


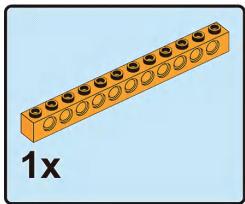


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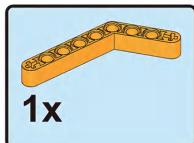
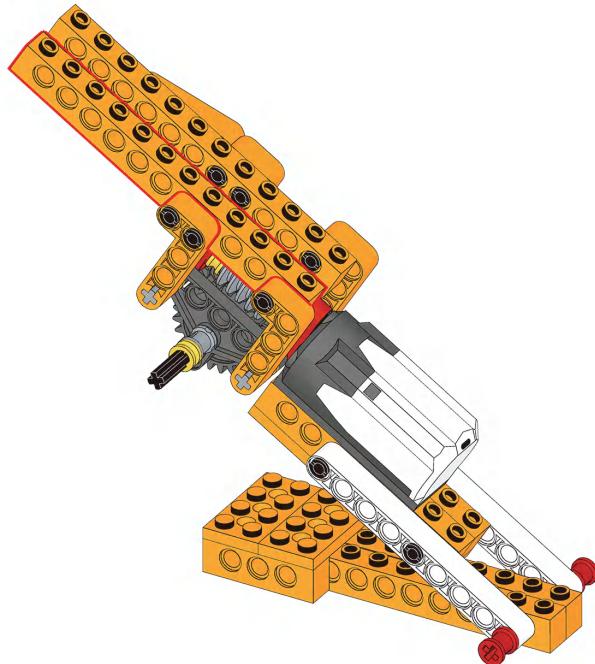


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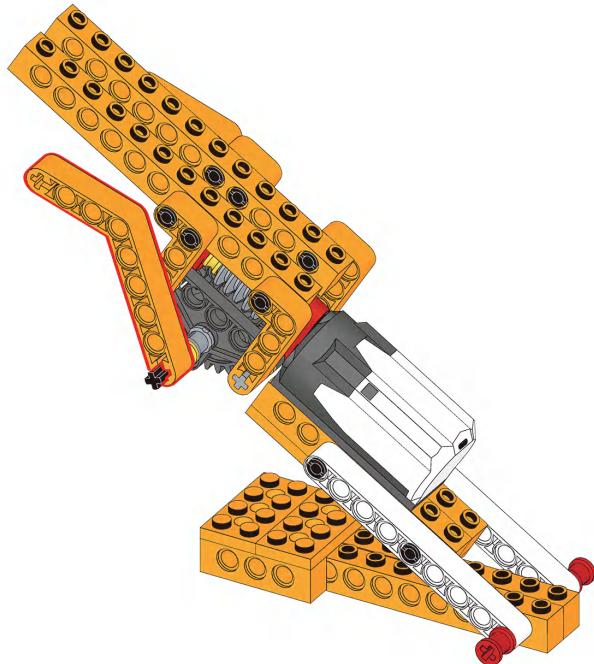


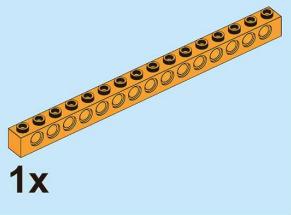


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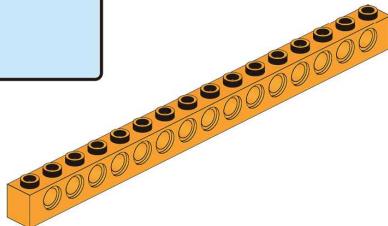


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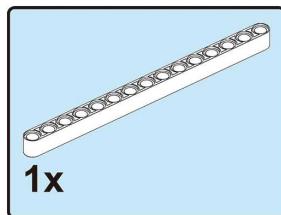
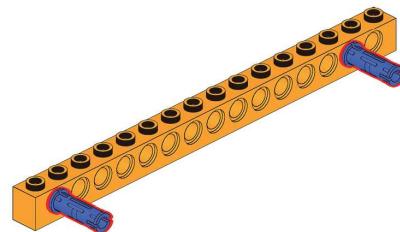




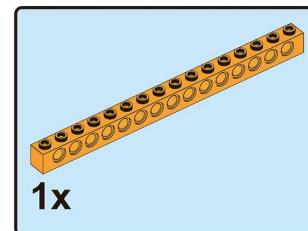
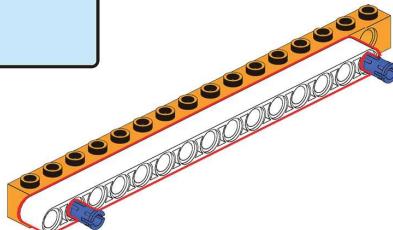
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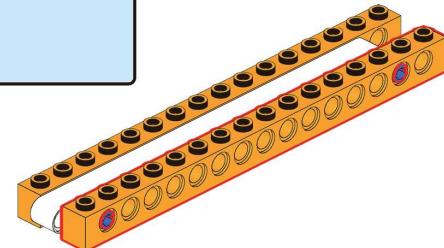
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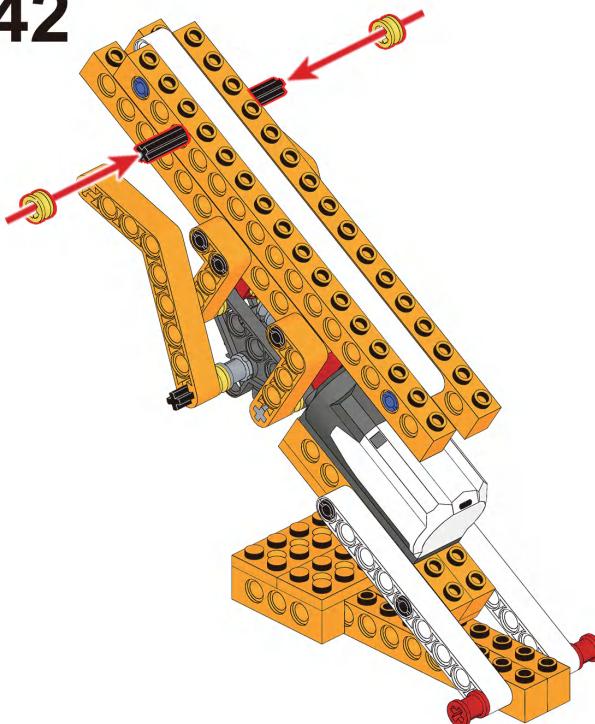


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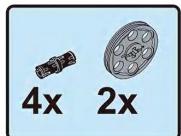
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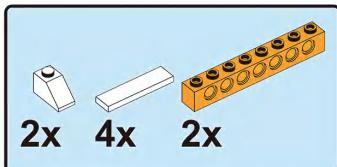
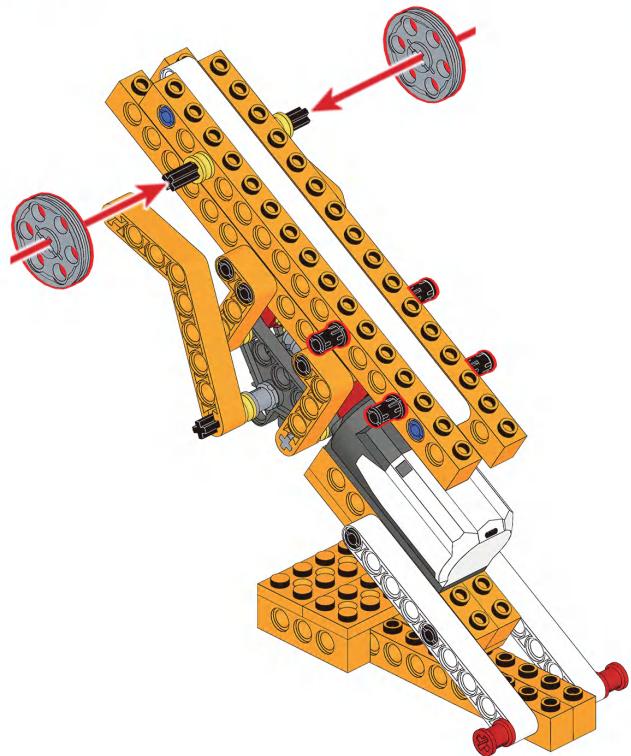
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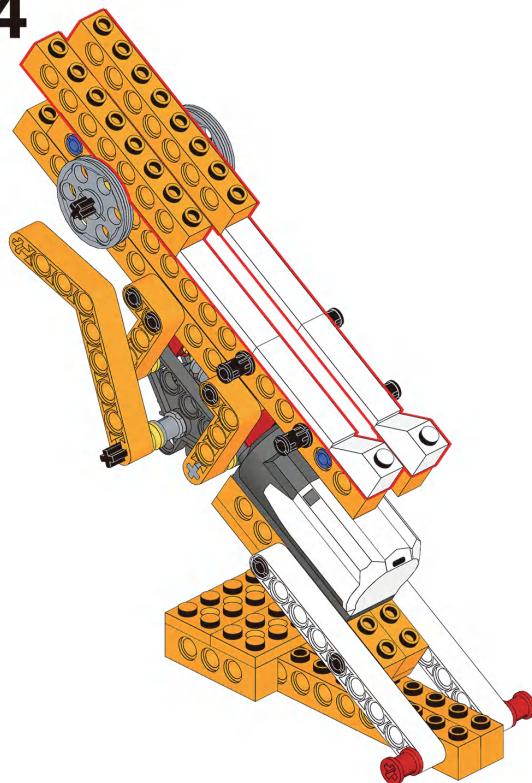
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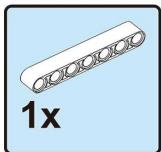


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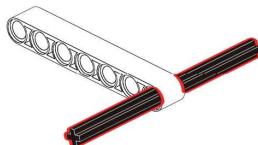
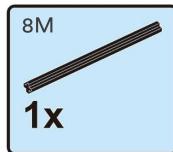


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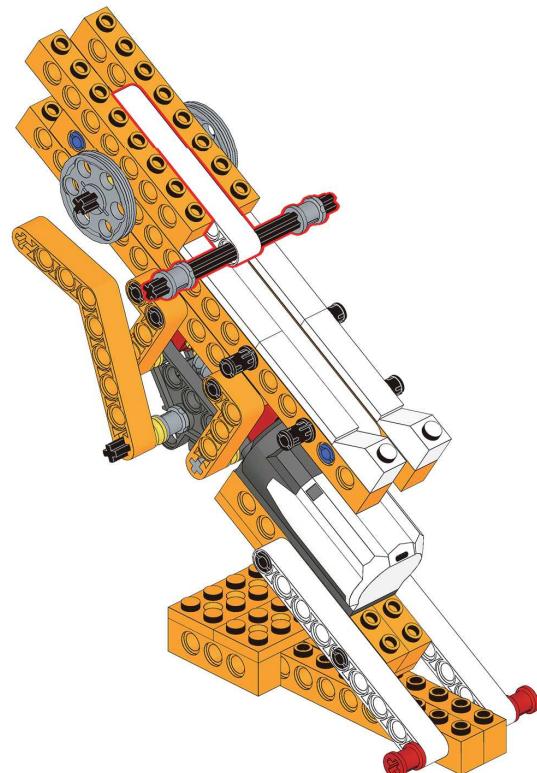
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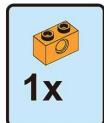
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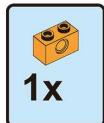
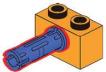
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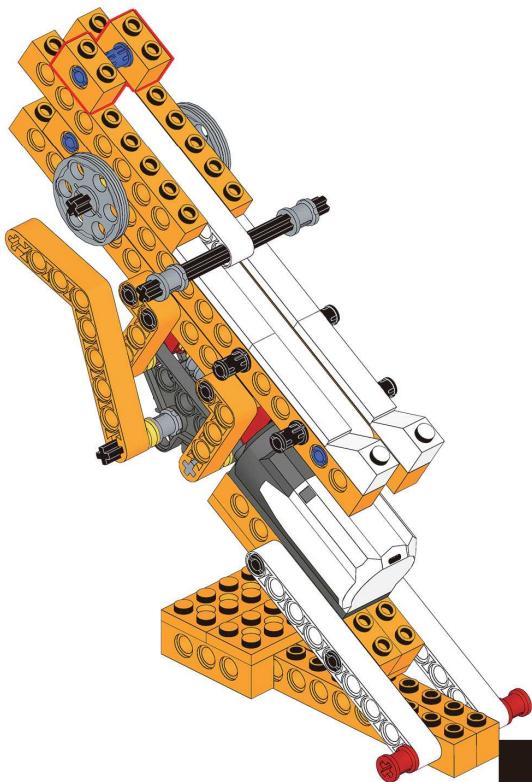
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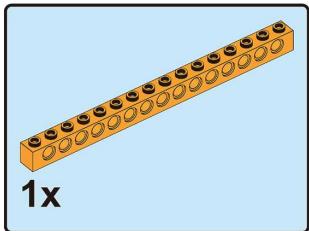
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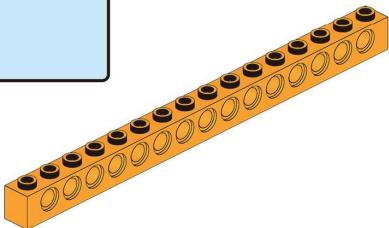
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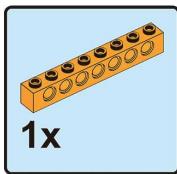
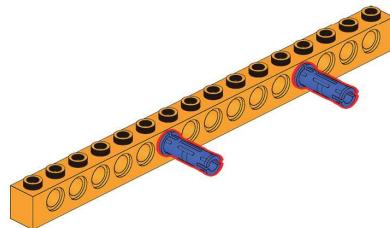
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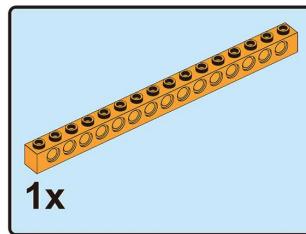
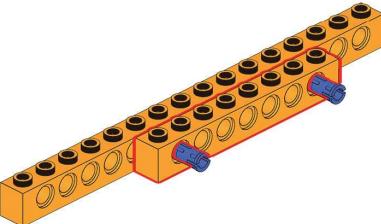
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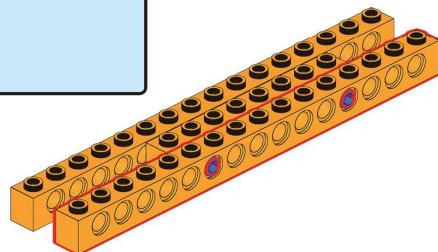
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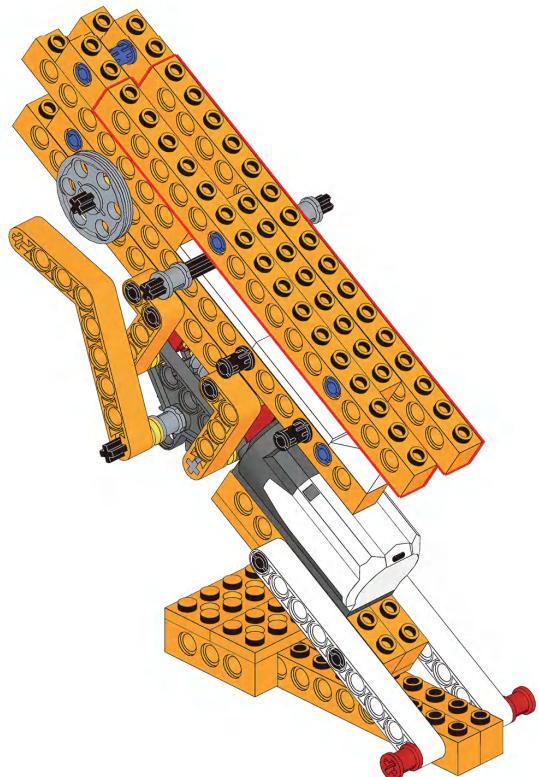


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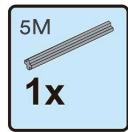


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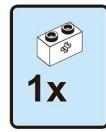
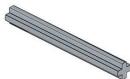
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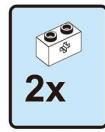
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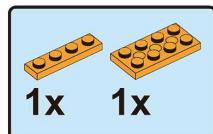
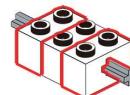
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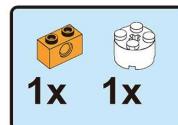
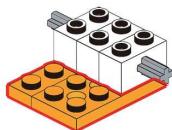
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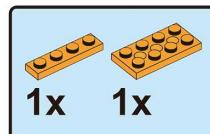
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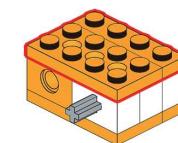
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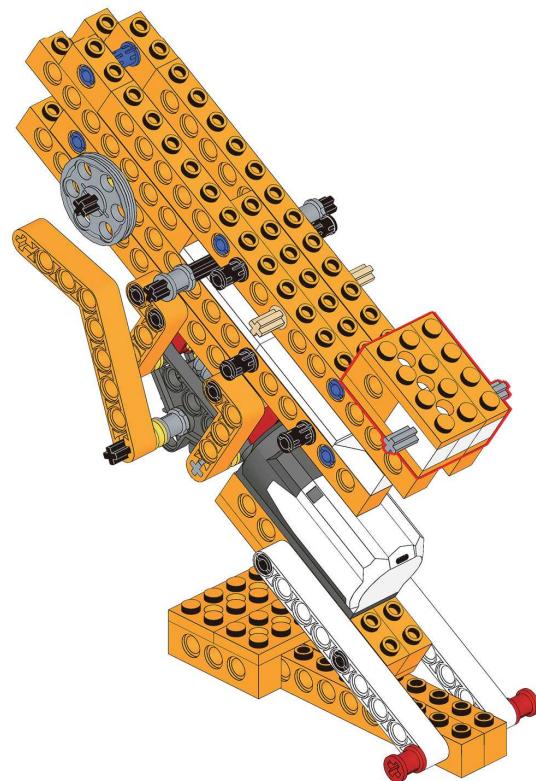
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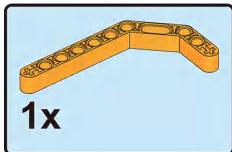
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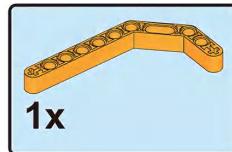
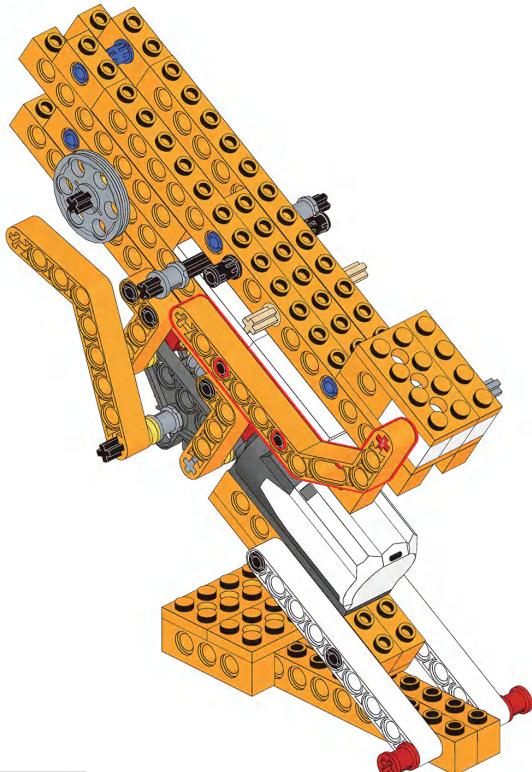
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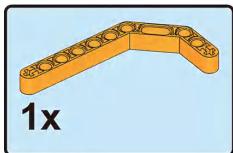
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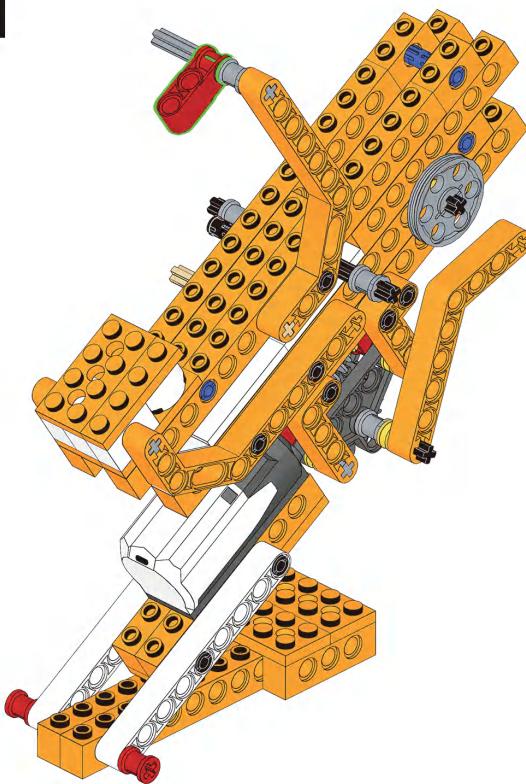




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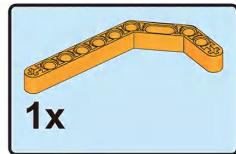
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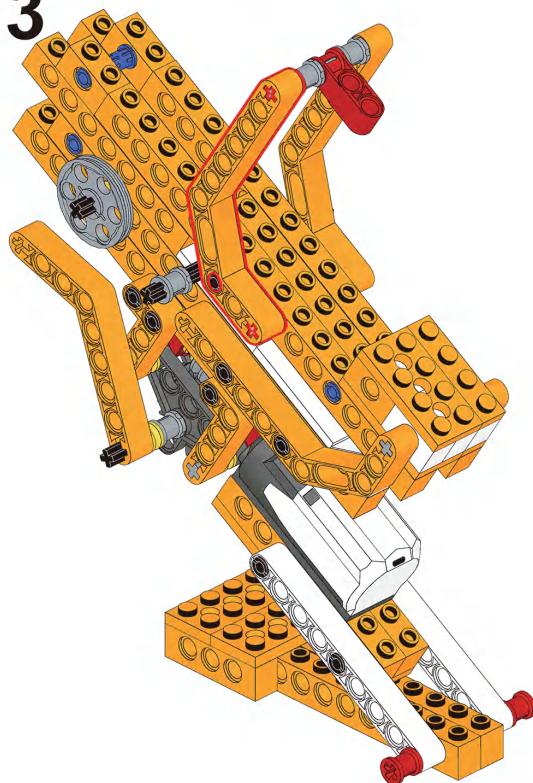
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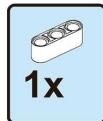


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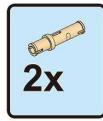


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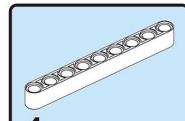
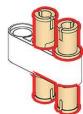




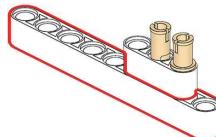
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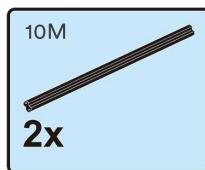
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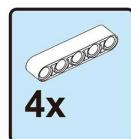
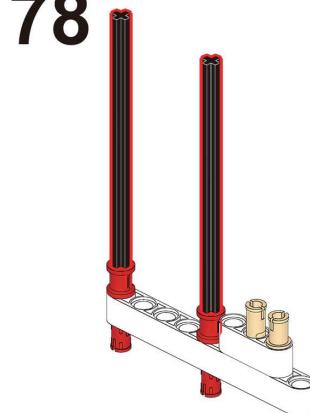
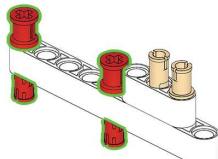
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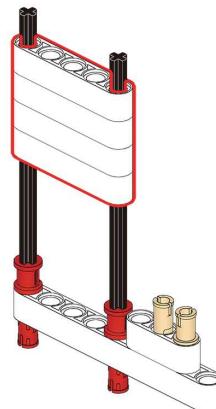
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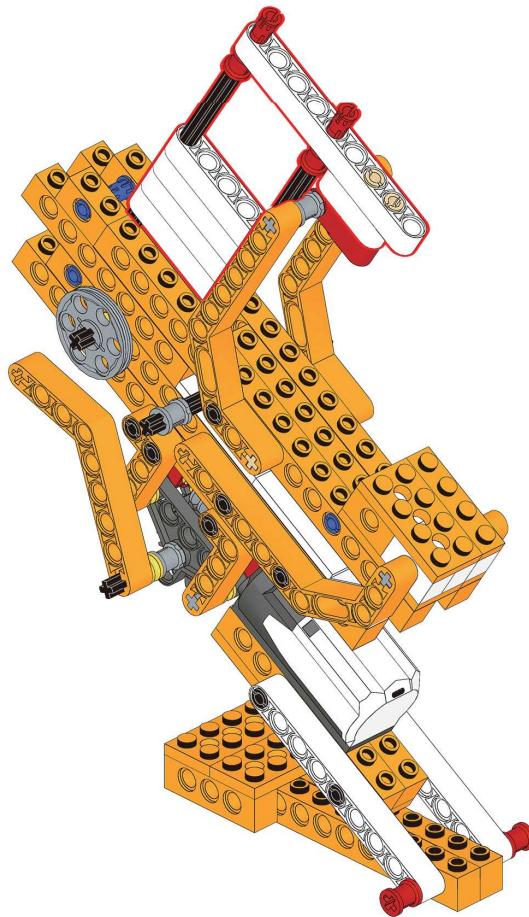


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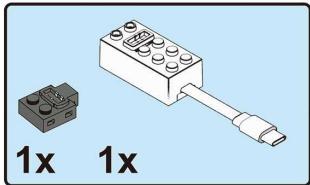


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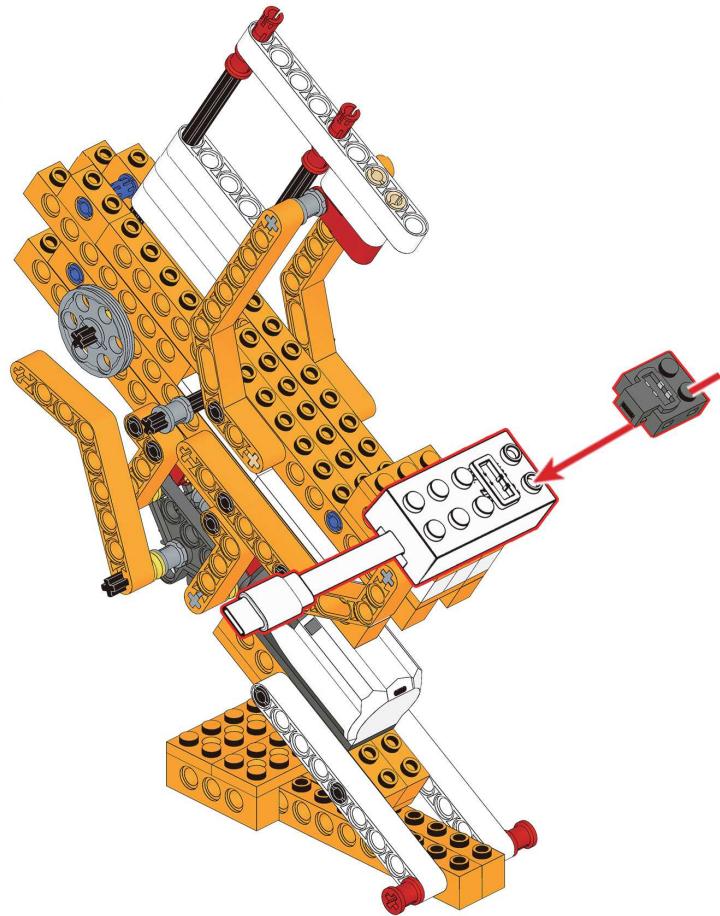
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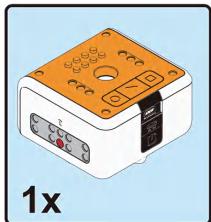
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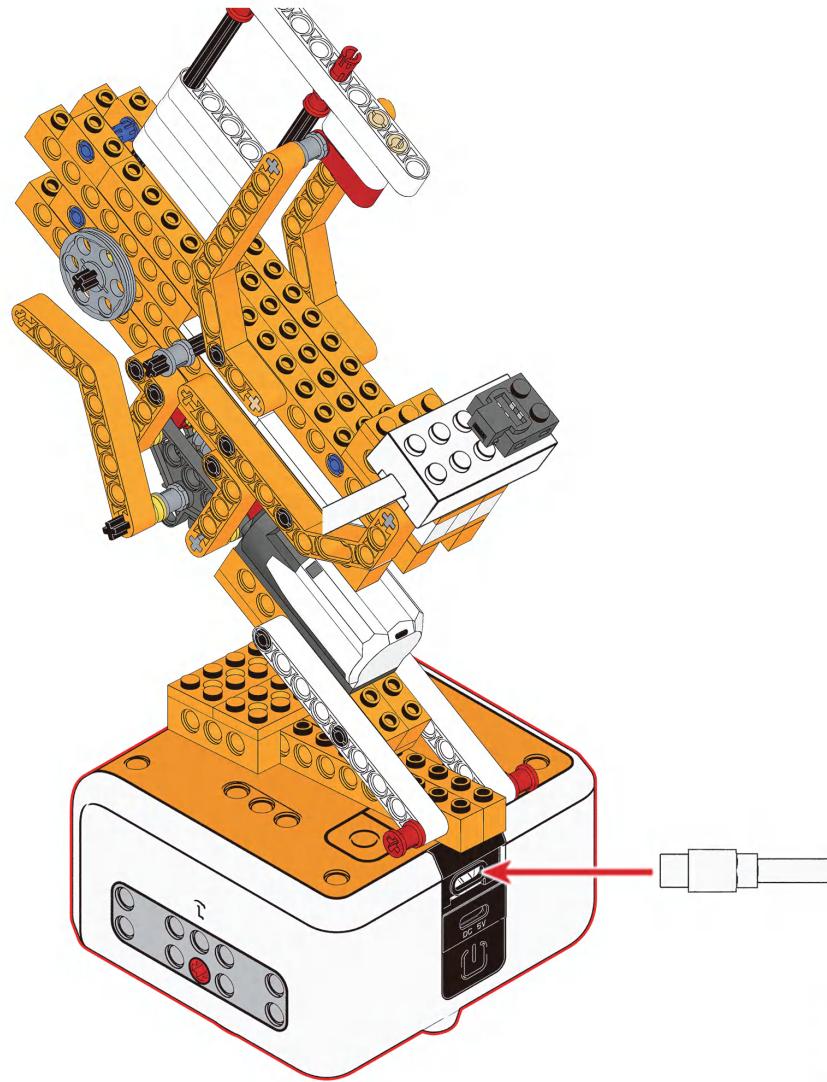
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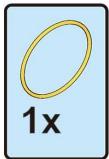
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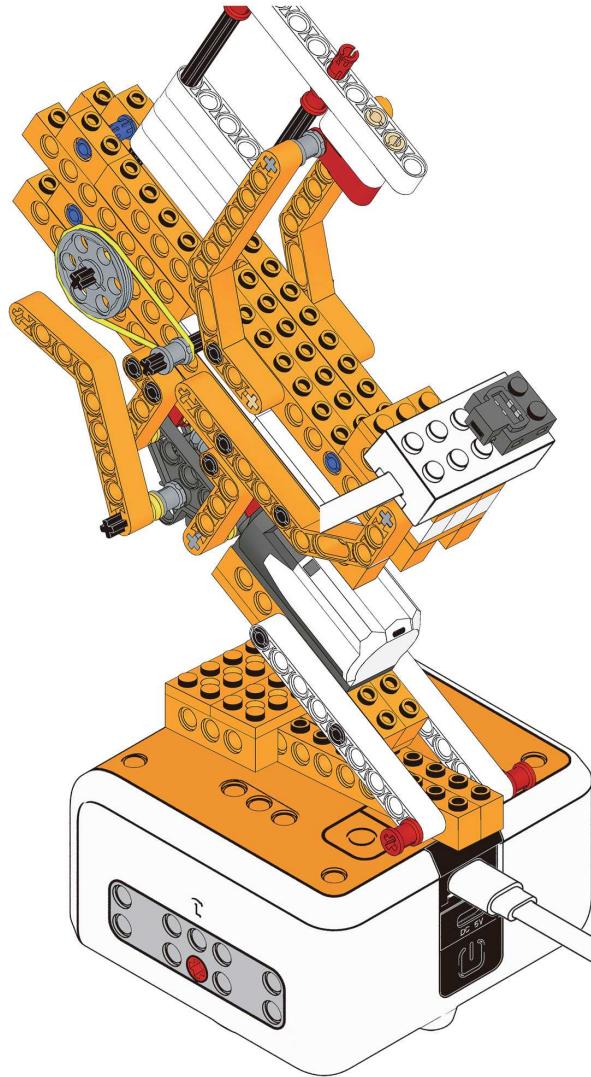
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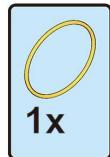
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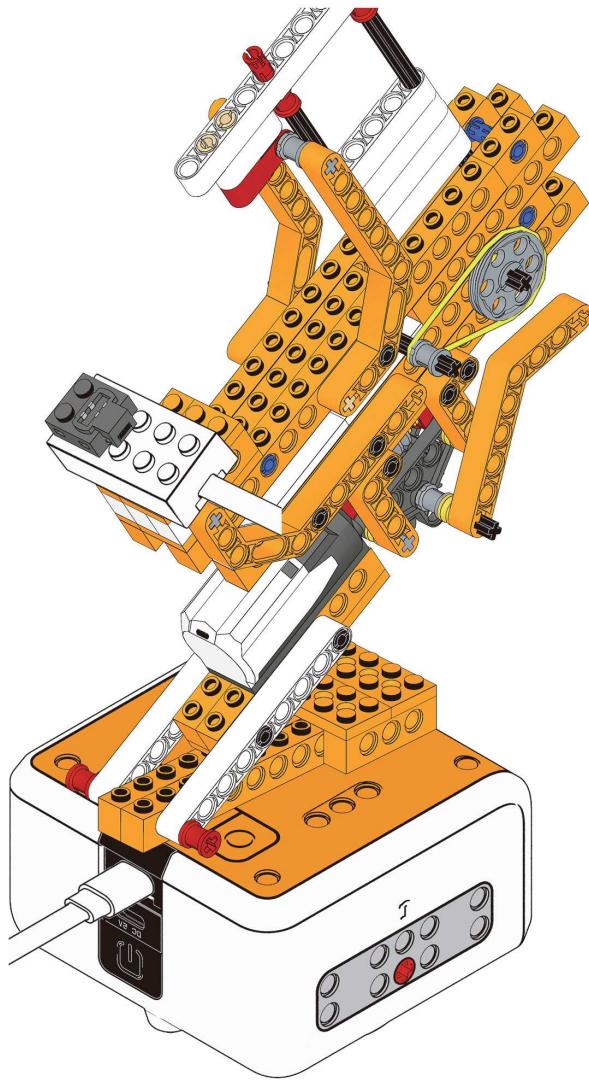
83



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Demo Program



Designed by MATATALAB in China
MATATALAB CO., LTD.