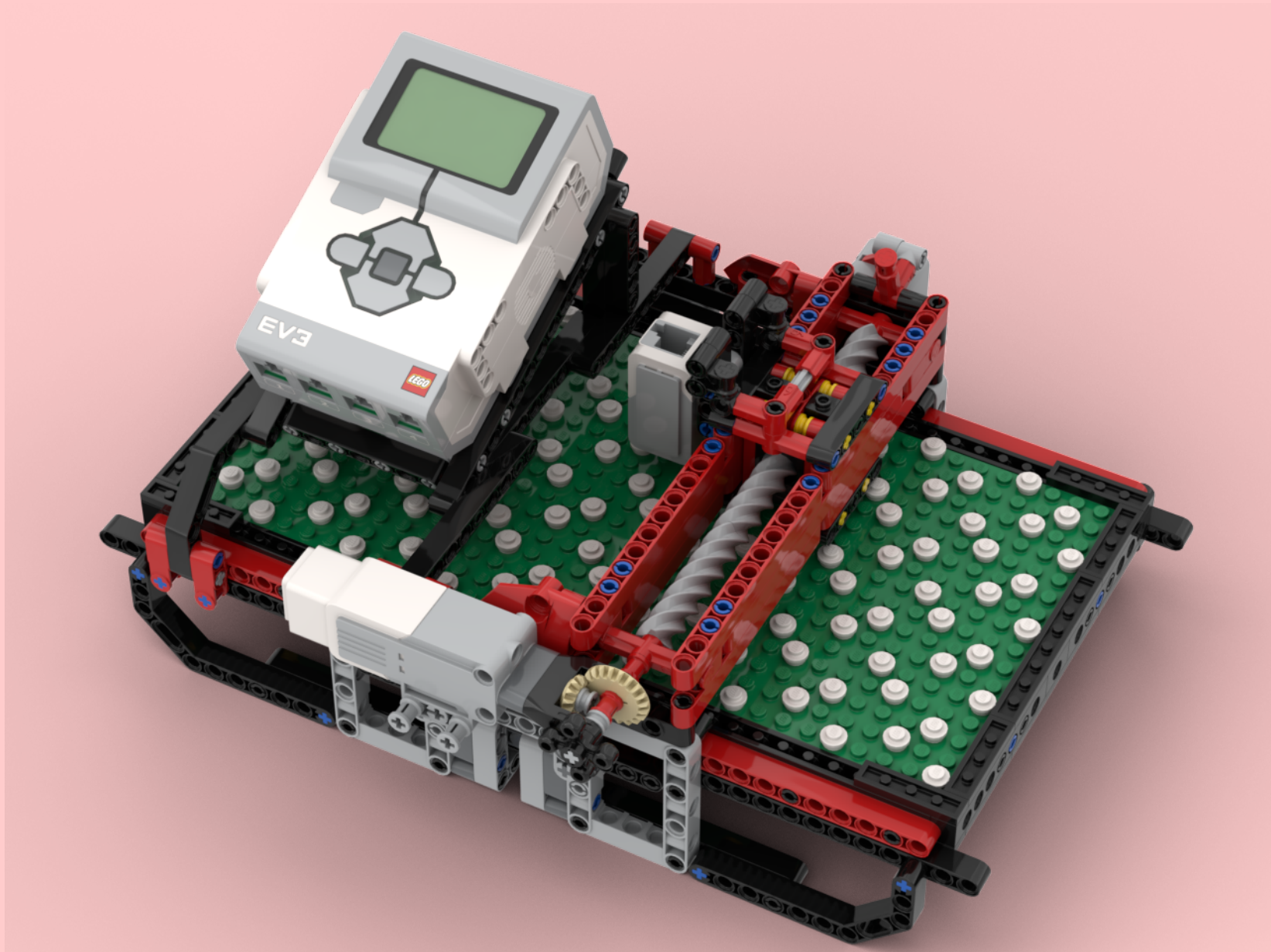


# Pattern Board Scanner

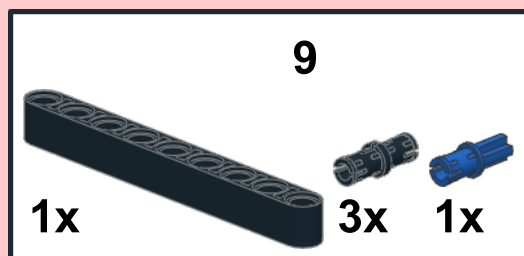
By: Jerry Nicholls



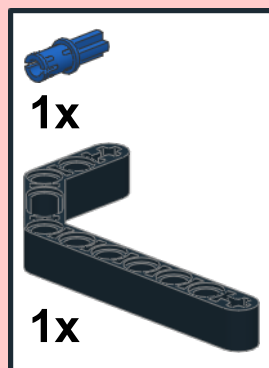
Scann3r Design & Building Instructions by Jerry Nicholls.  
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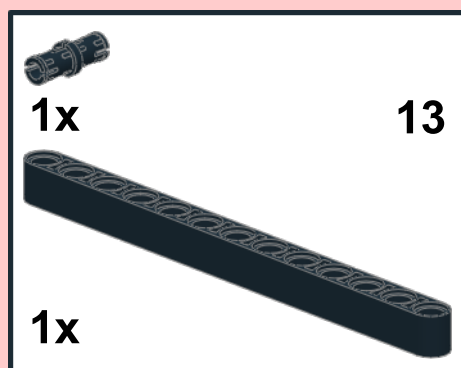
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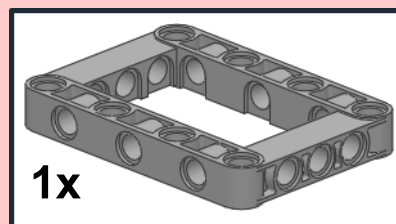
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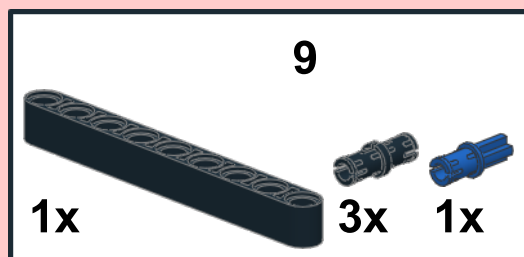
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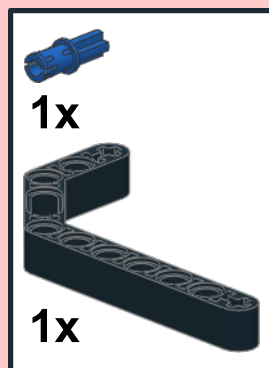
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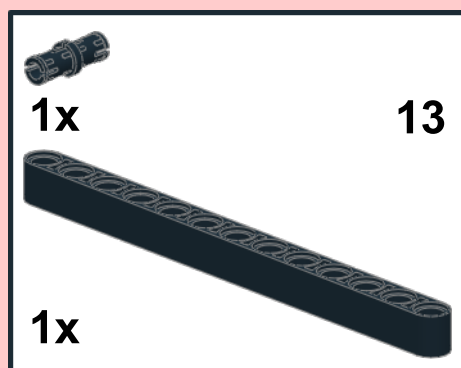
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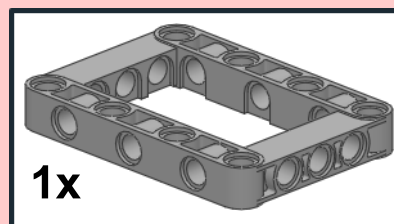
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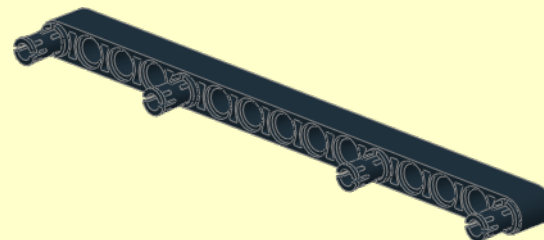
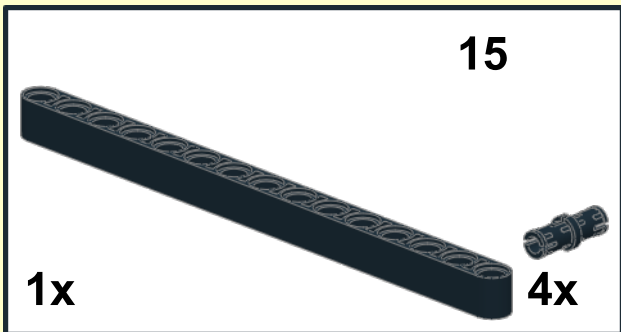
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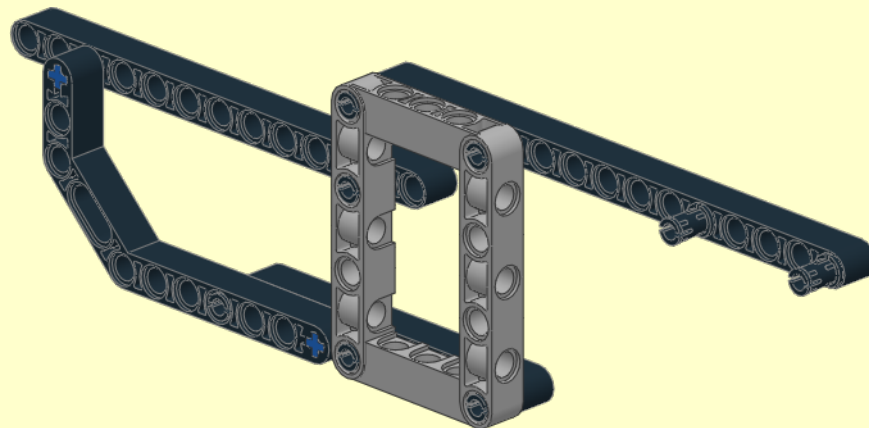
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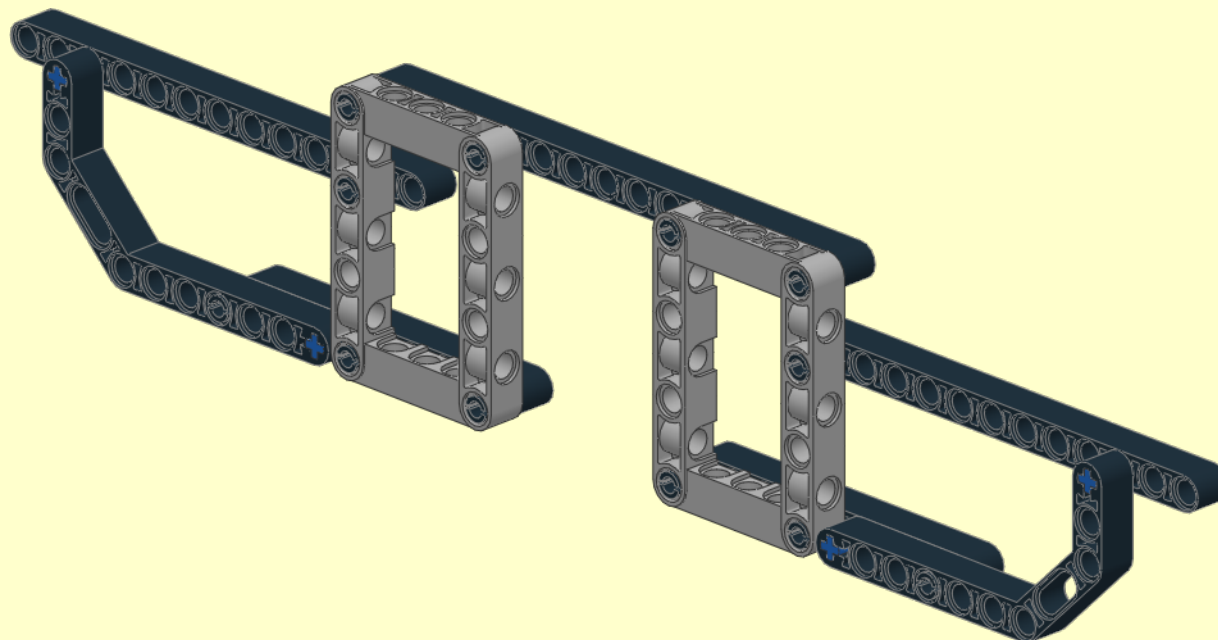
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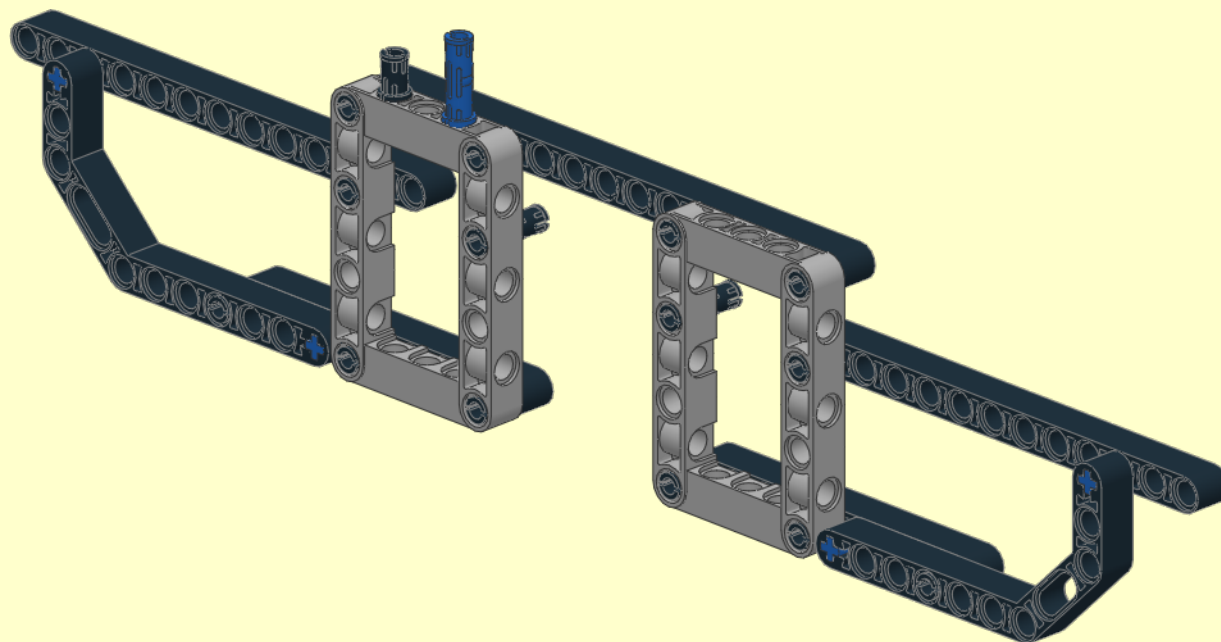


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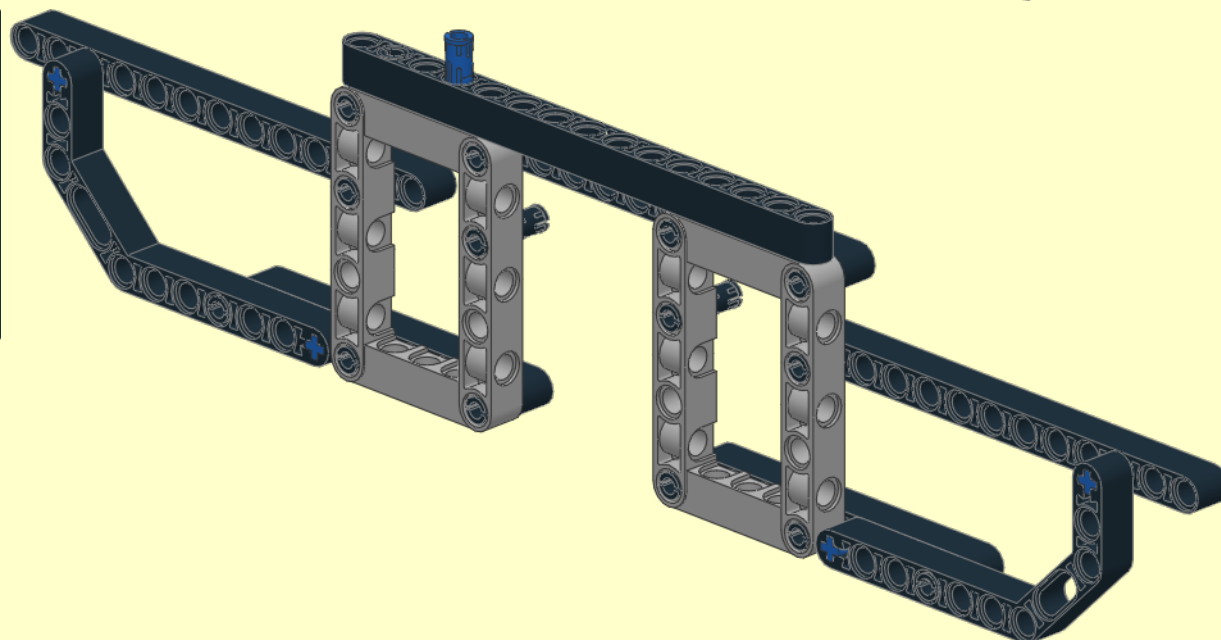
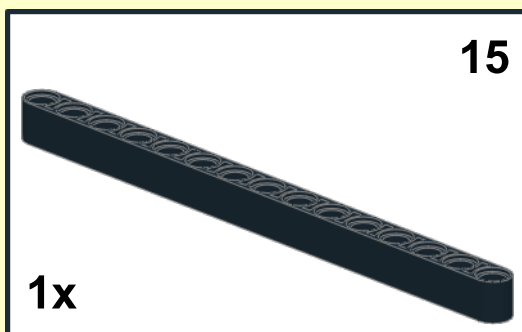




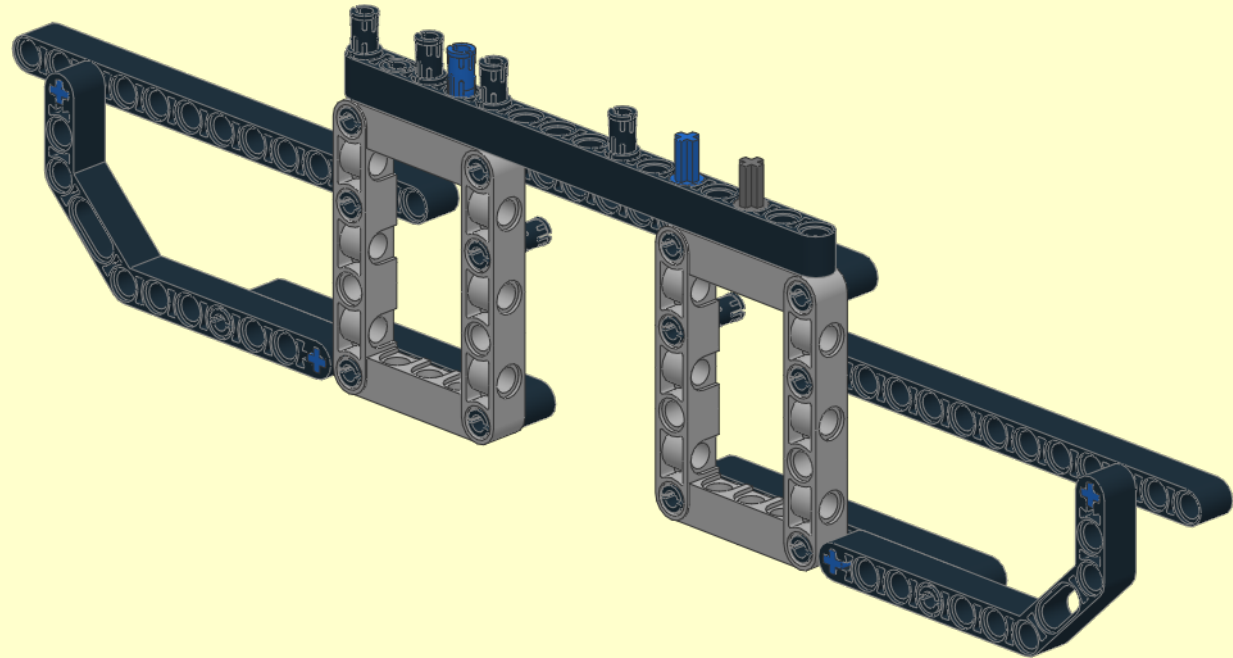
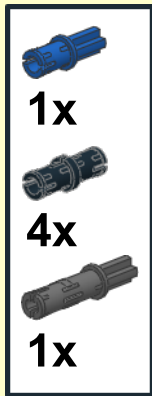
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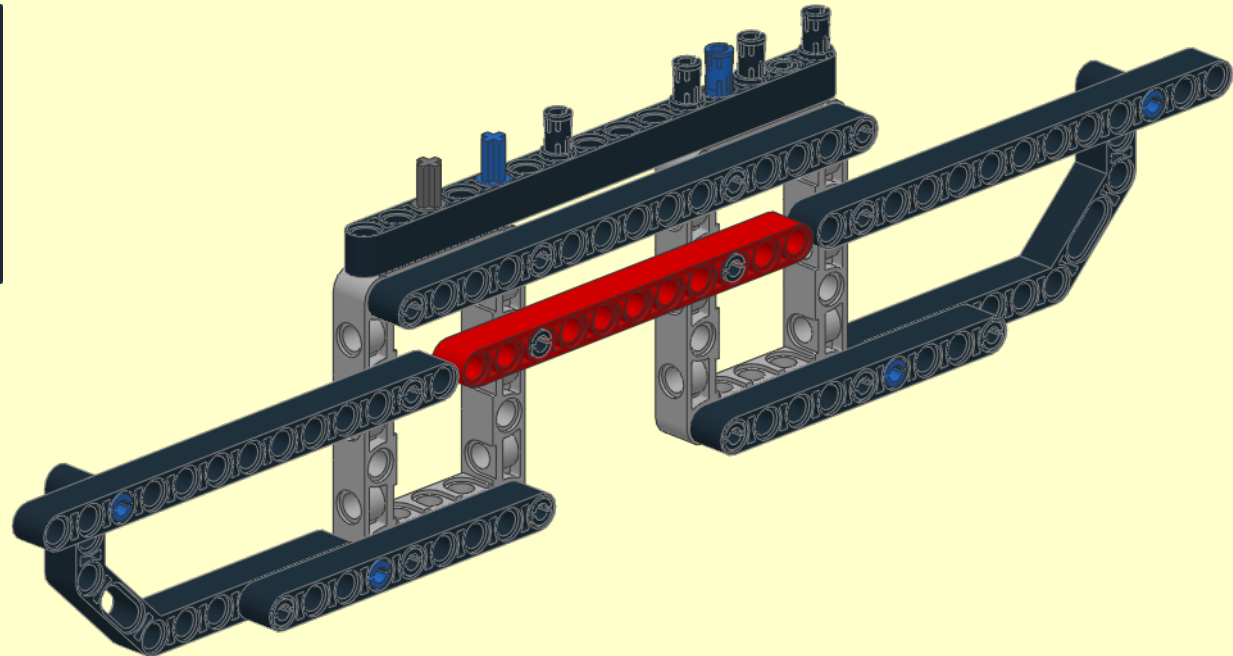
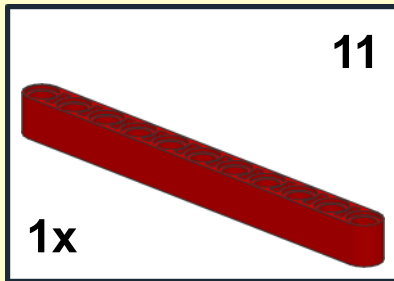
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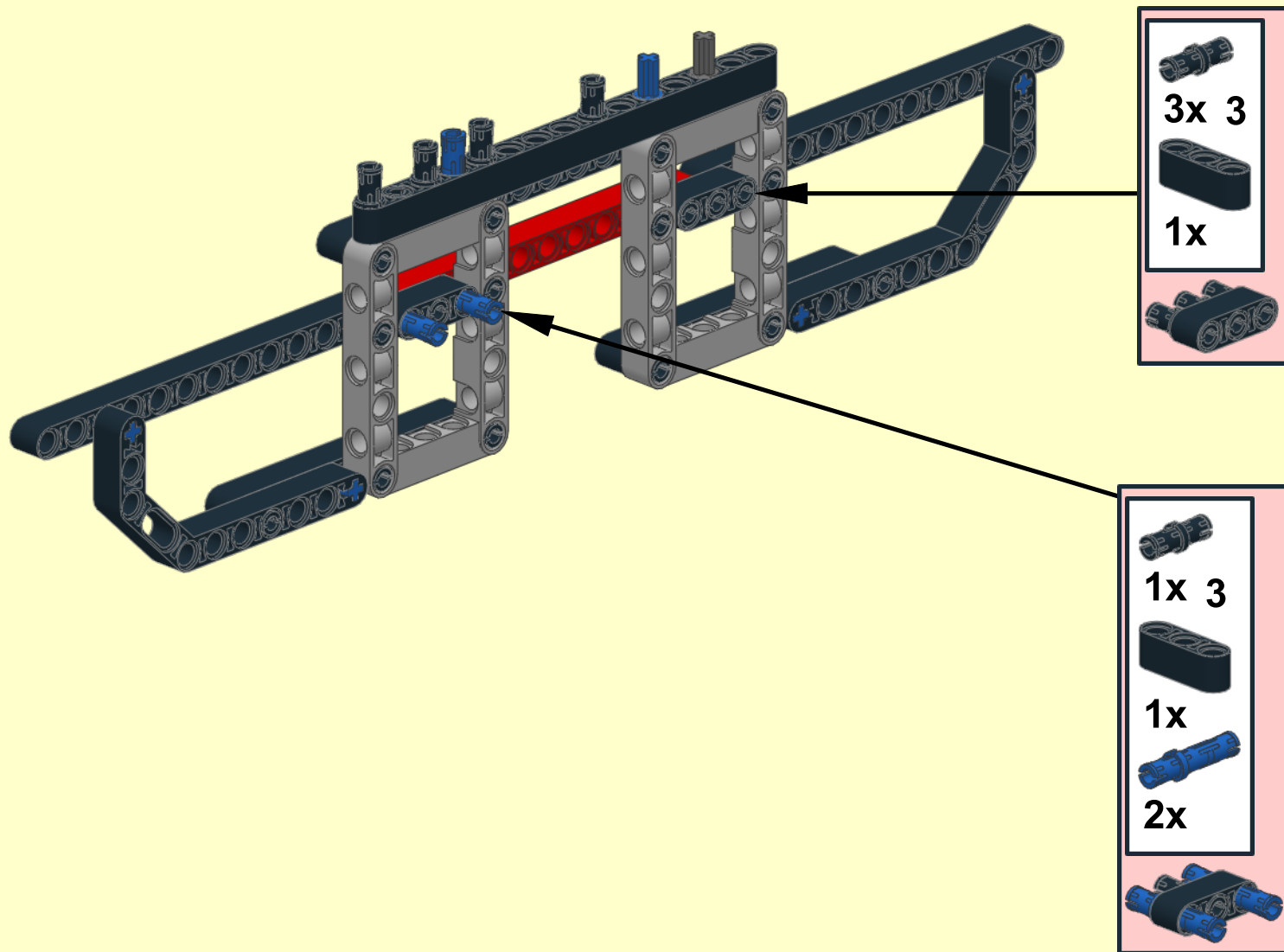


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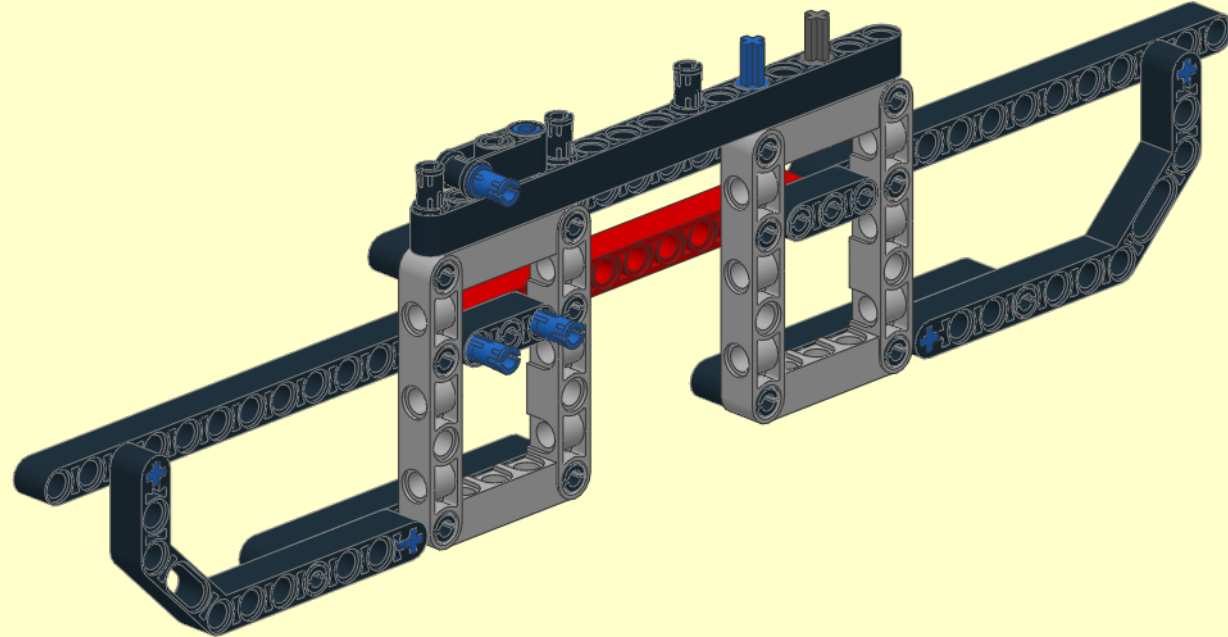


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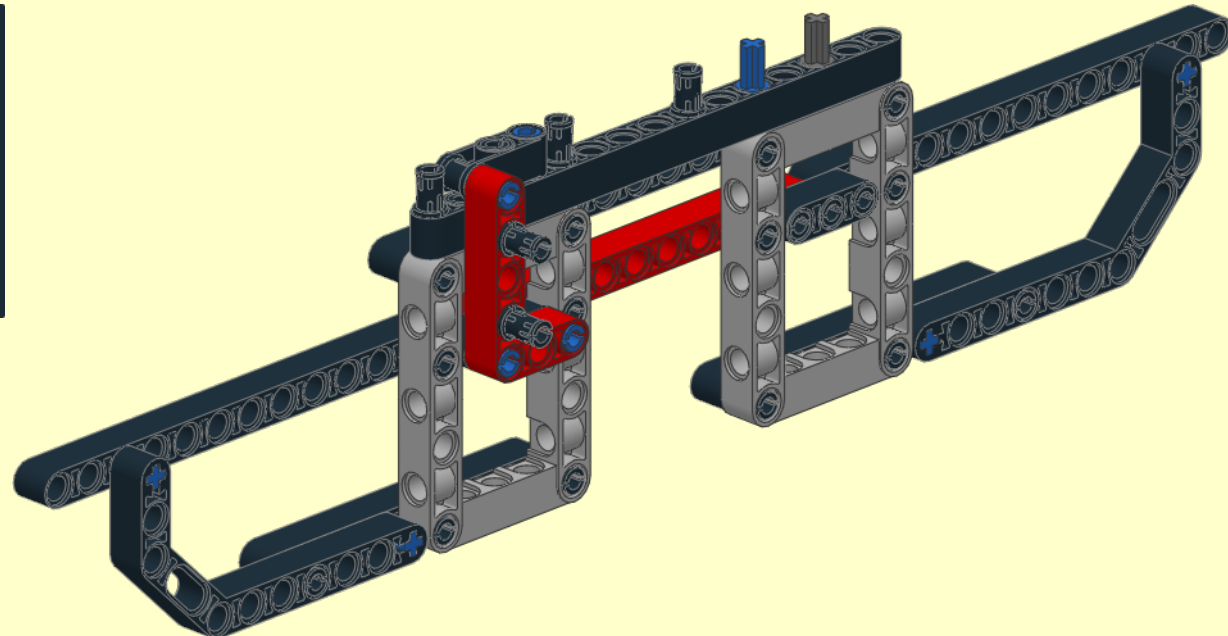
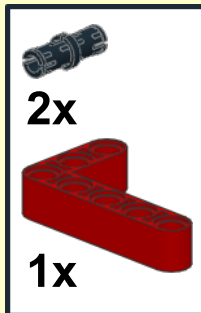




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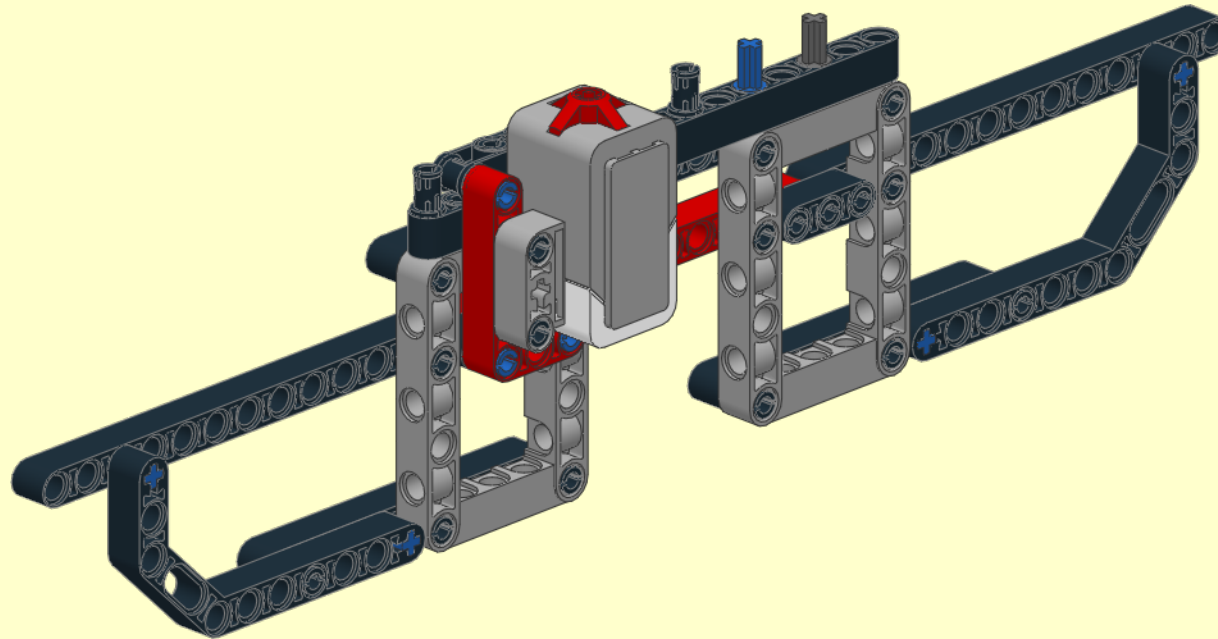
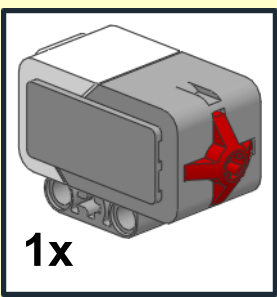


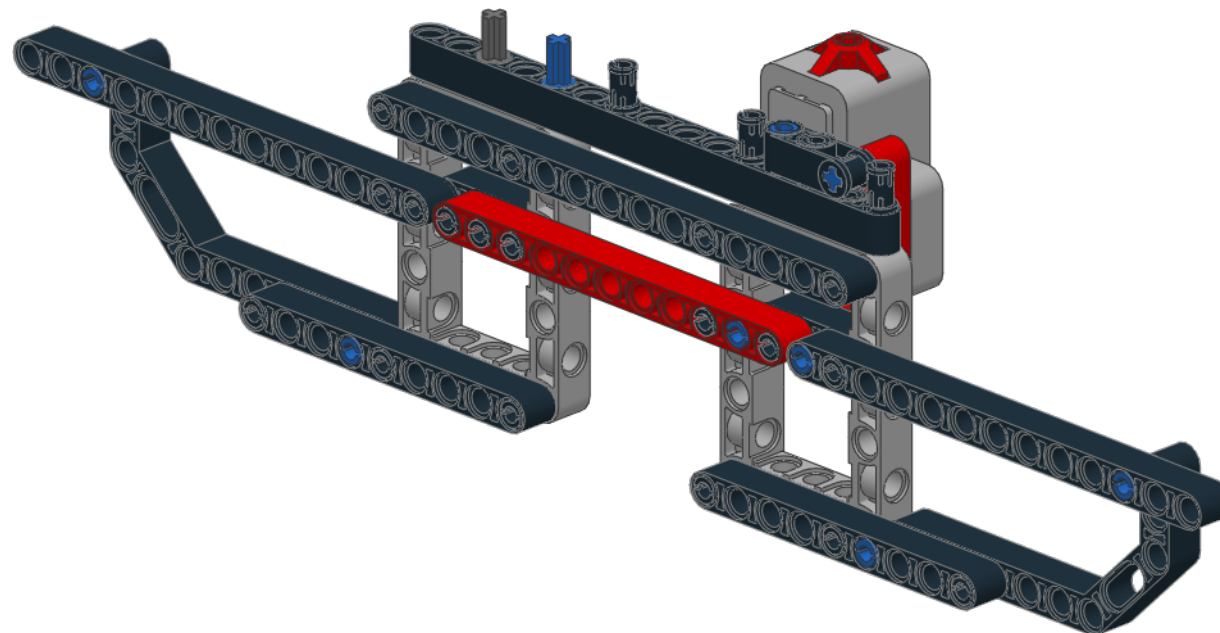
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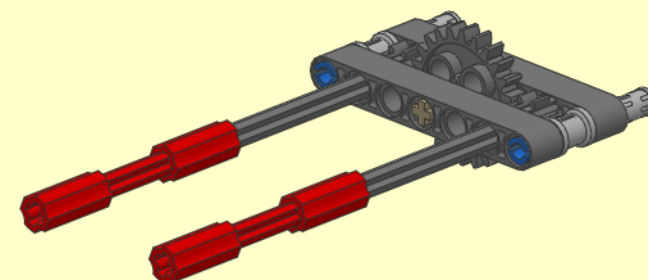
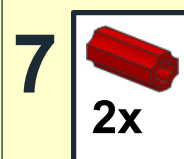
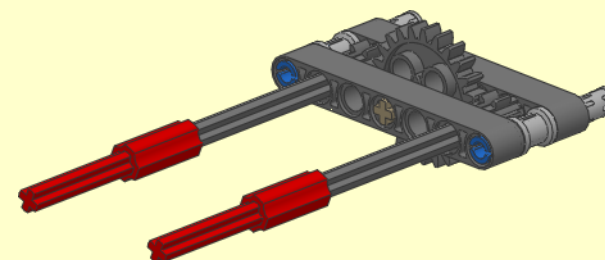
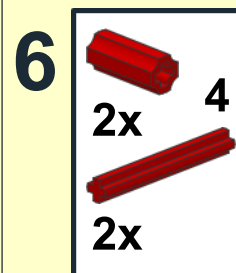
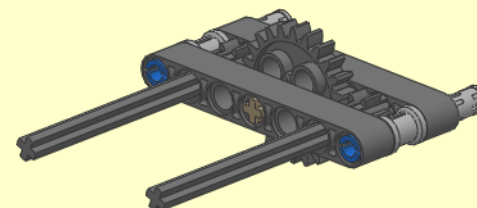
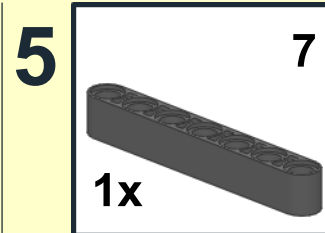
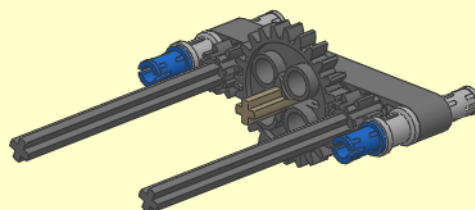
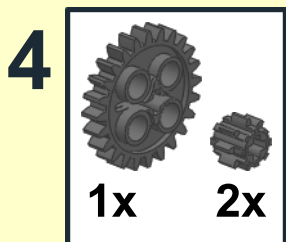
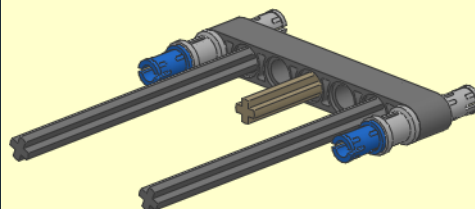
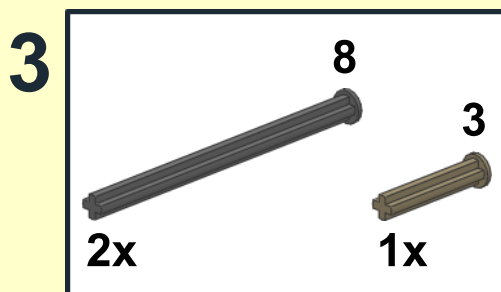
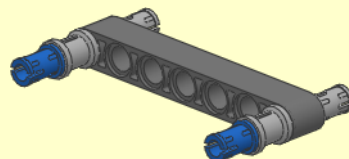
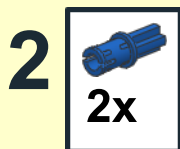
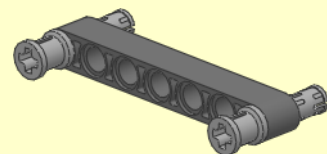
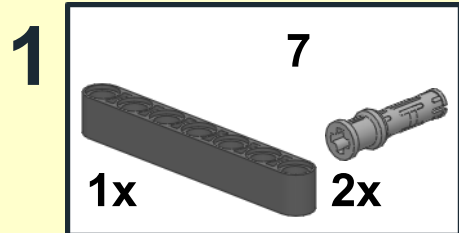


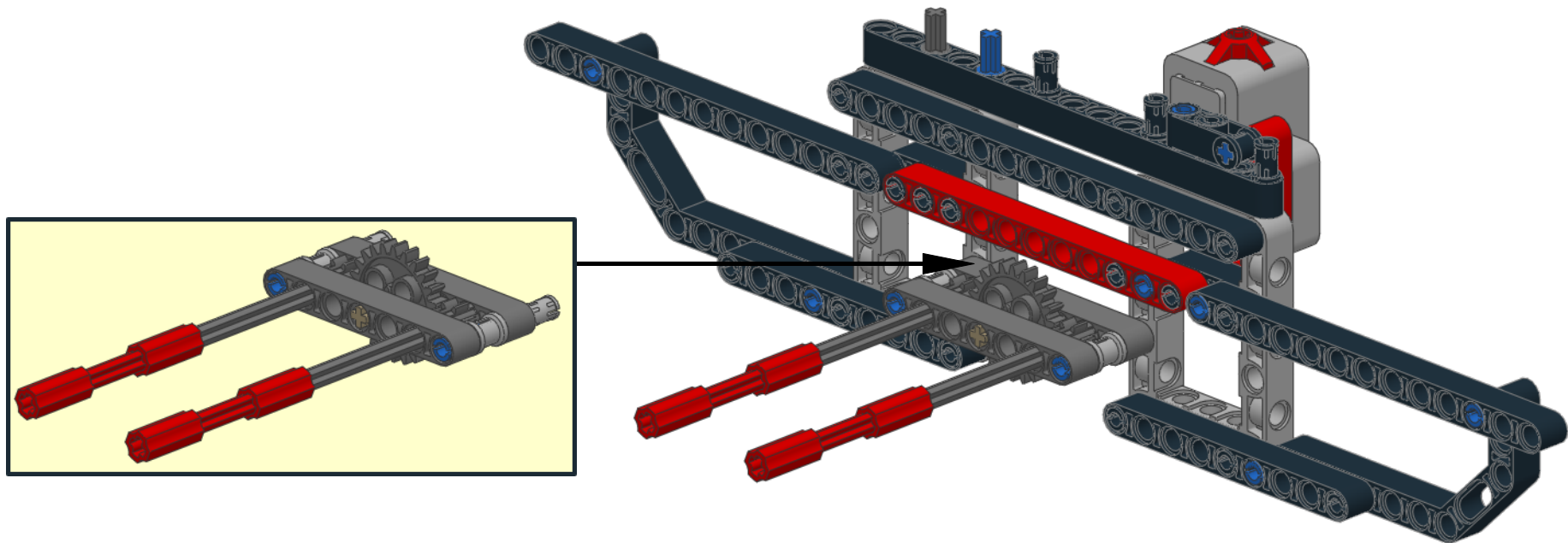


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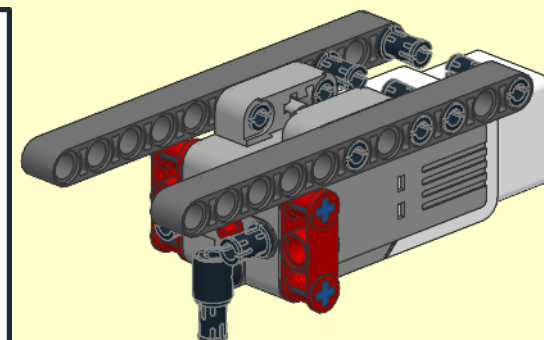
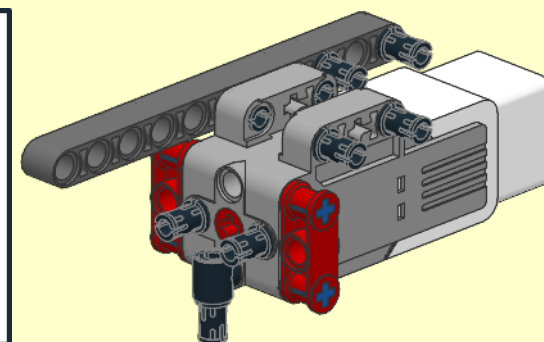
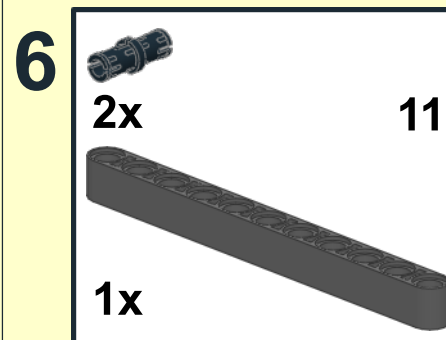
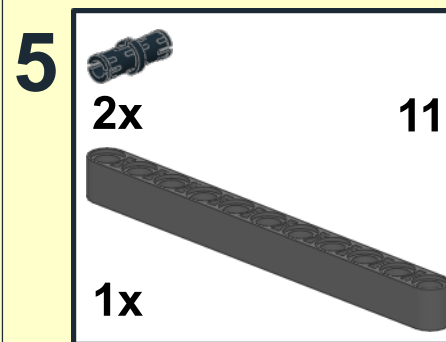
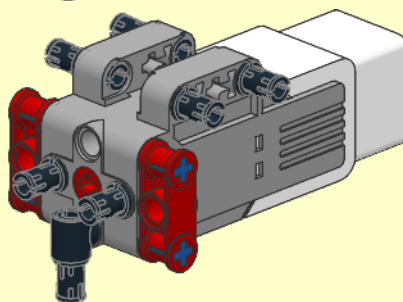
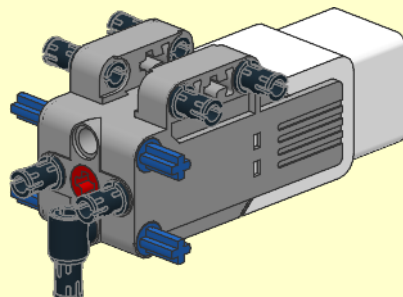
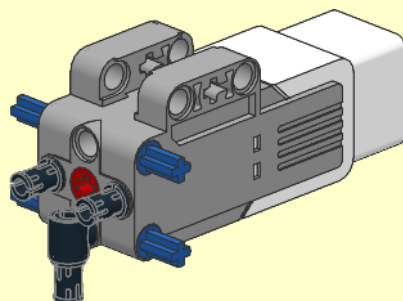
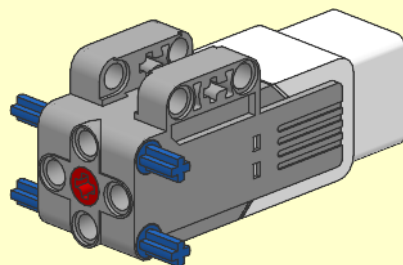
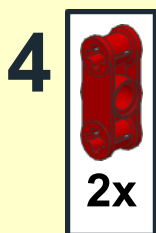
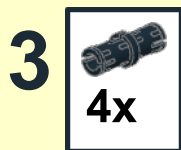
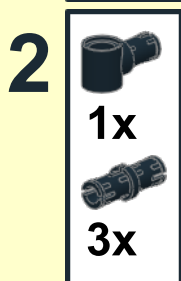
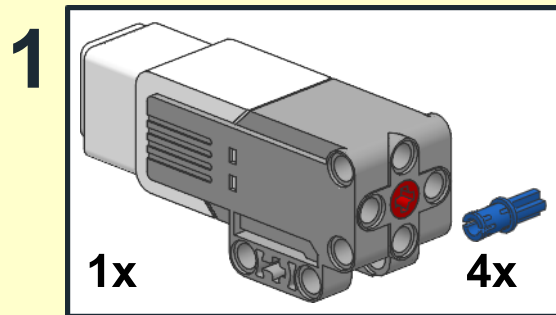


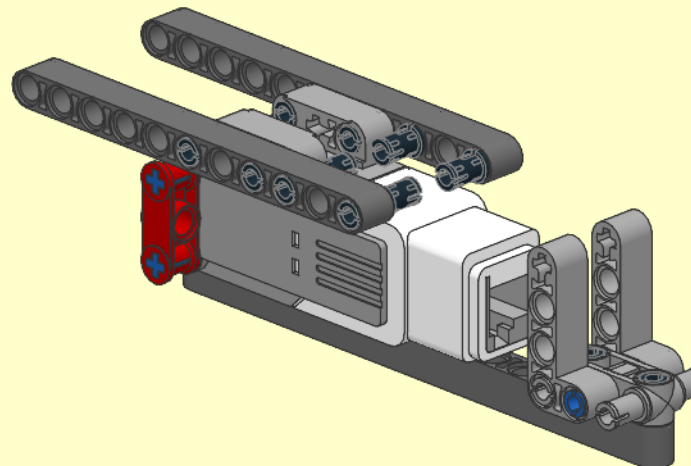
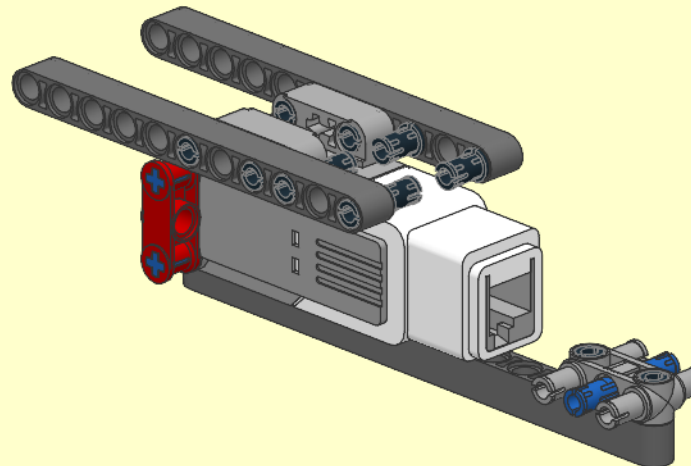
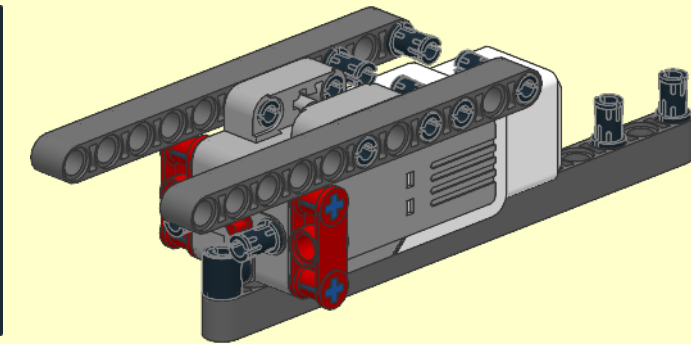
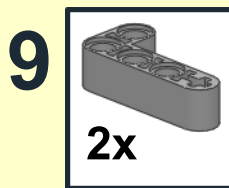
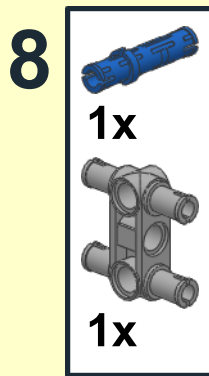
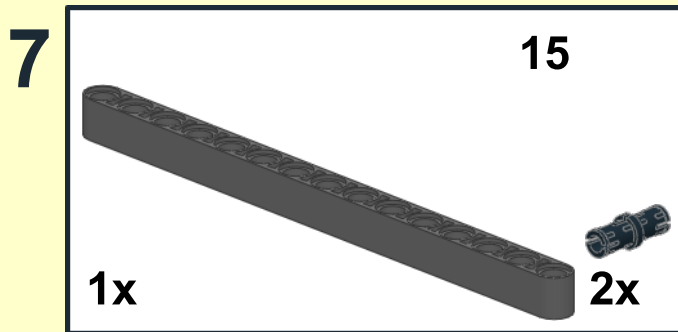





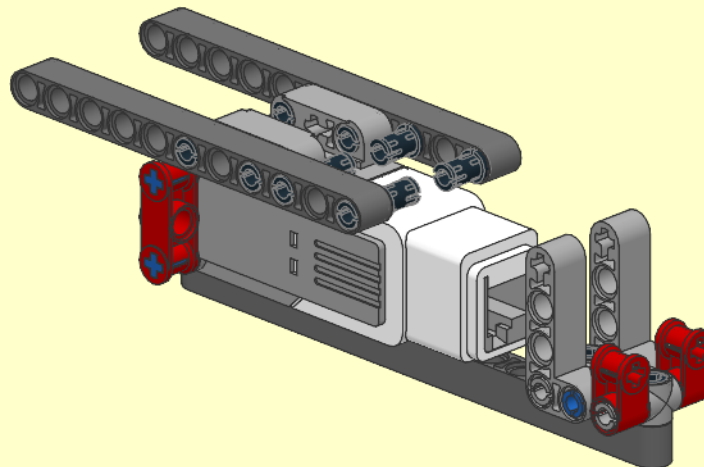





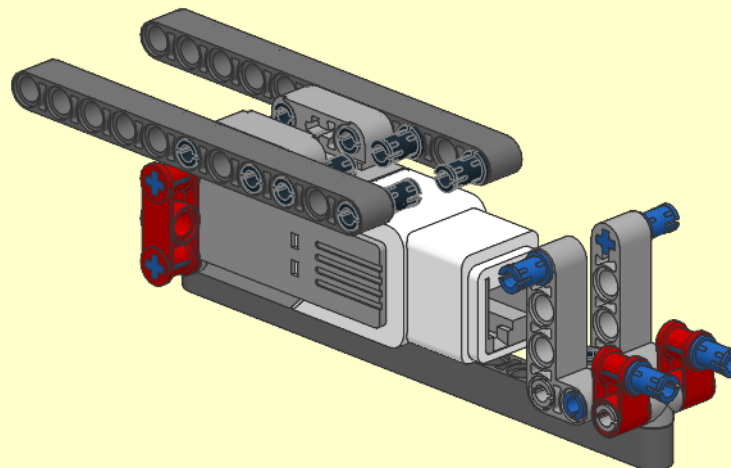



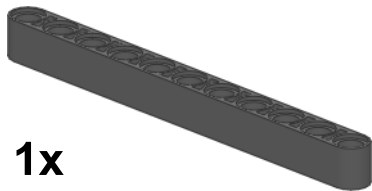


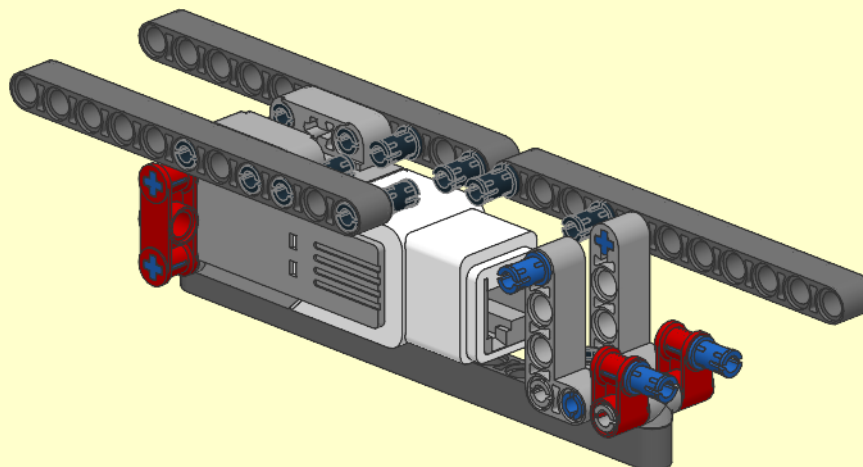
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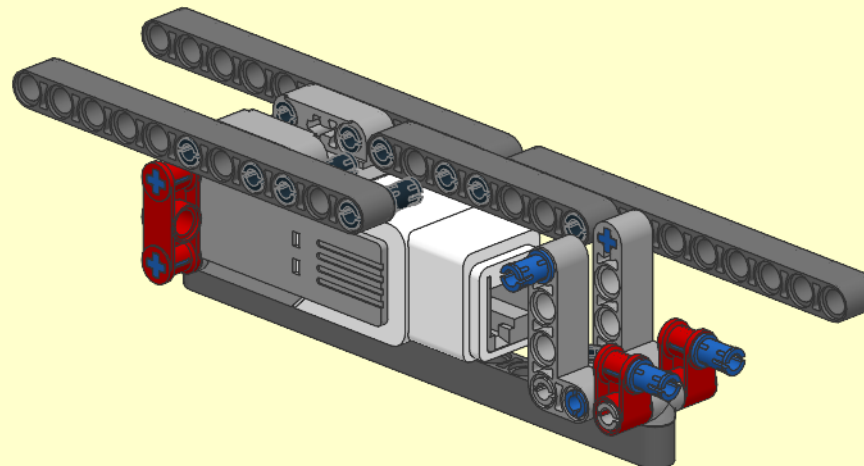
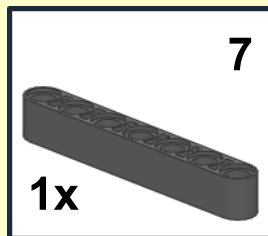
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4x



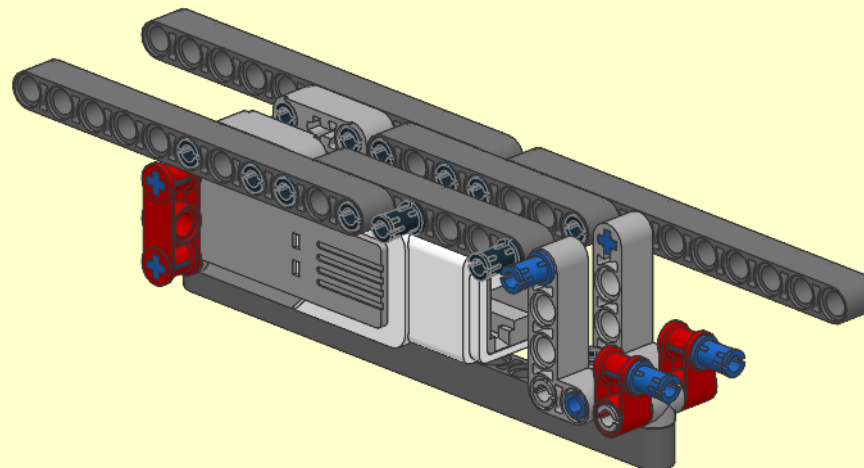
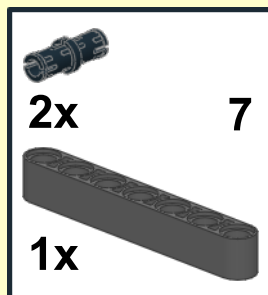
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2x  
  
1x



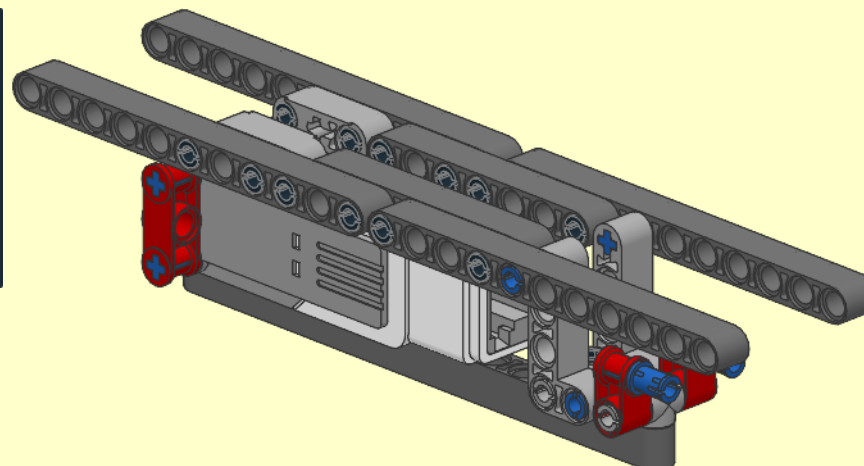
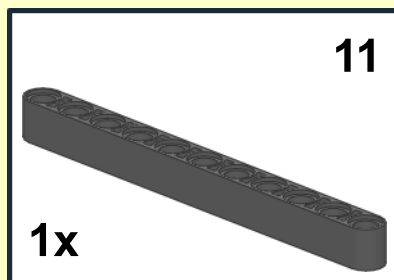
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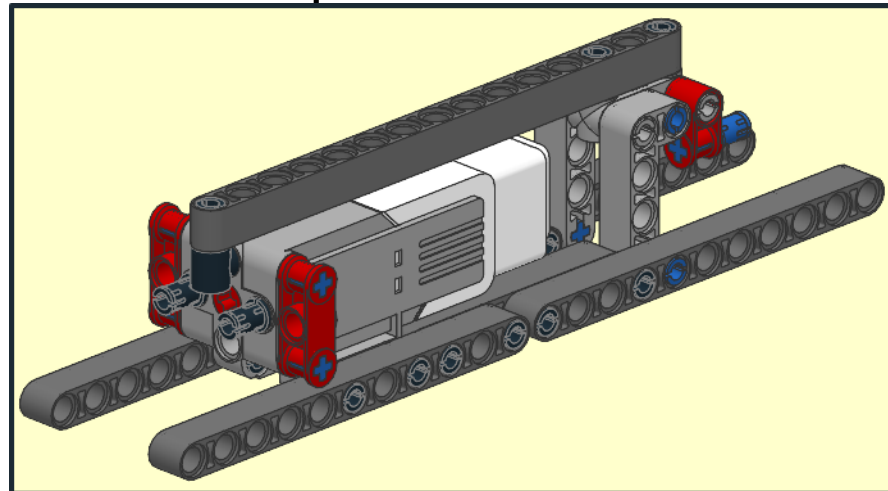
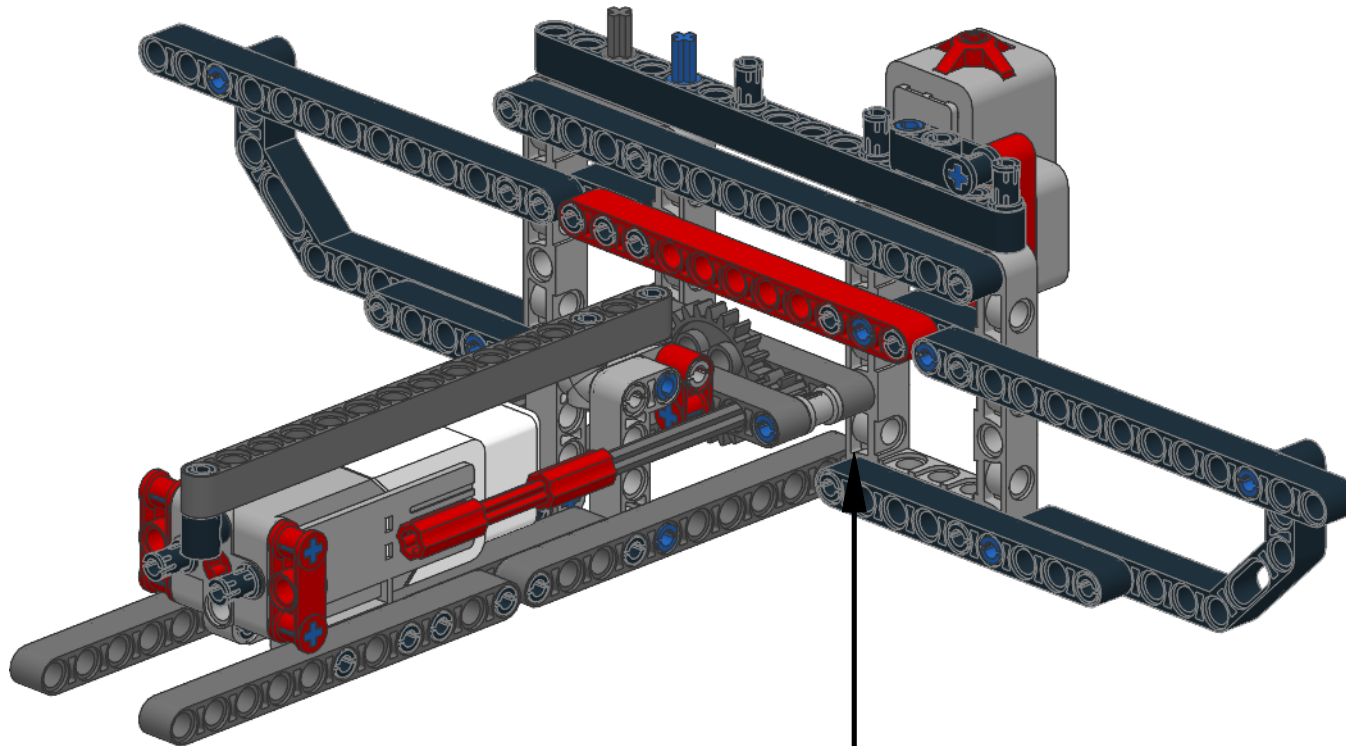
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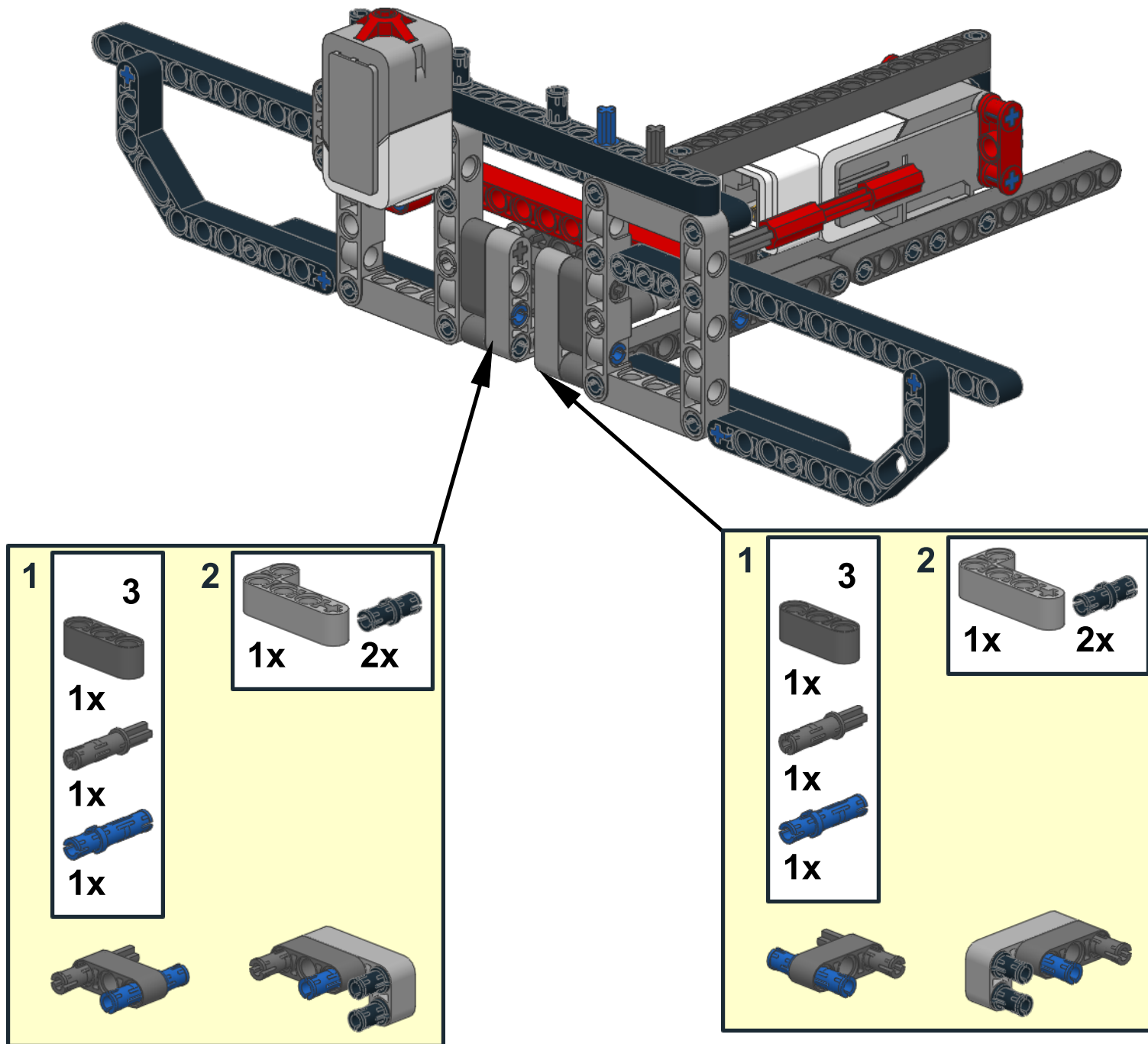


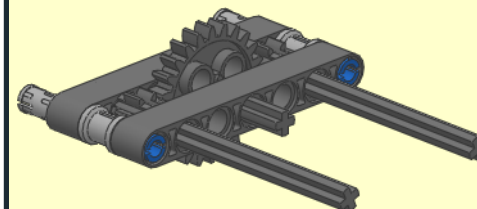
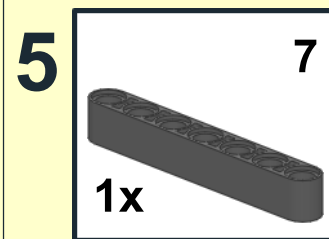
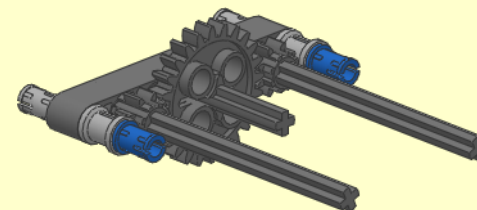
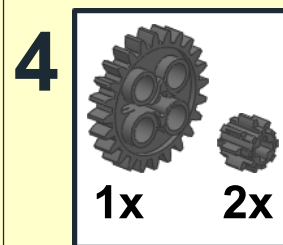
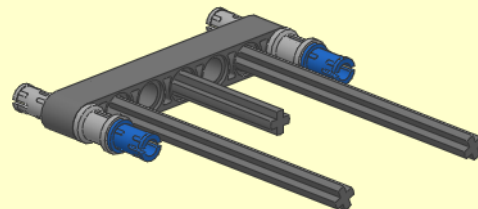
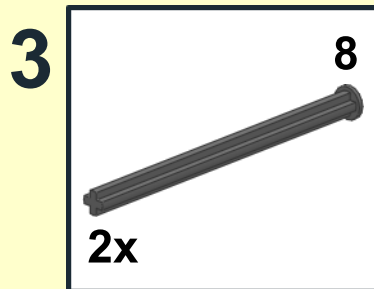
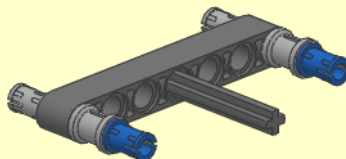
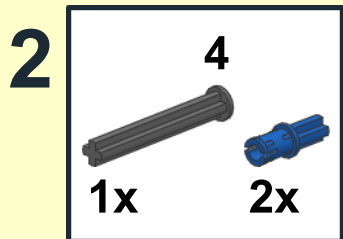
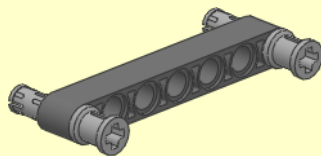
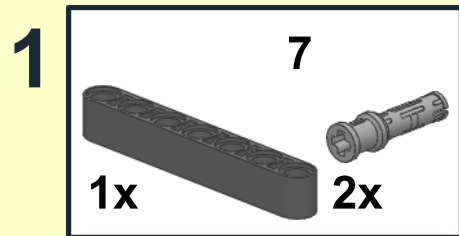
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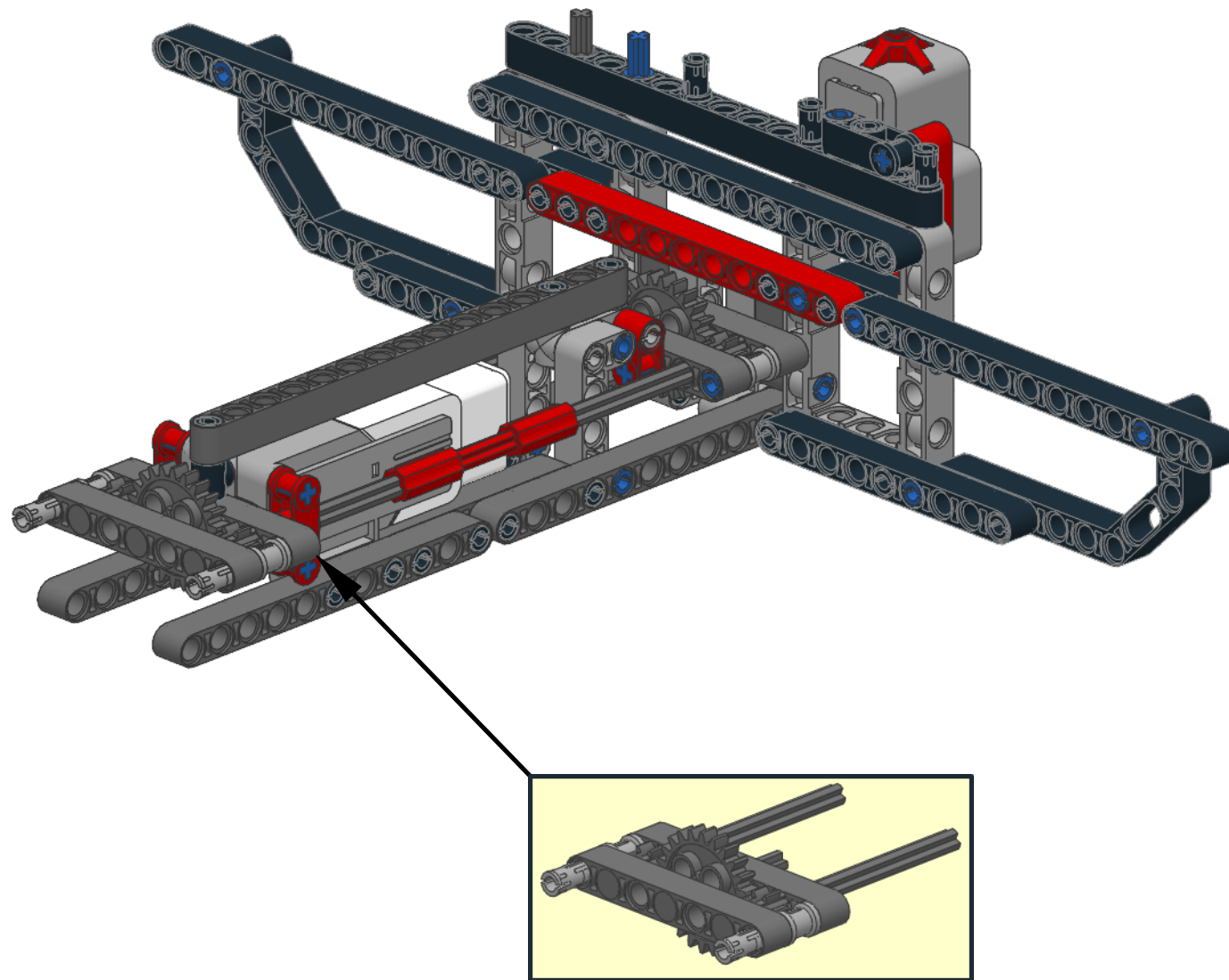




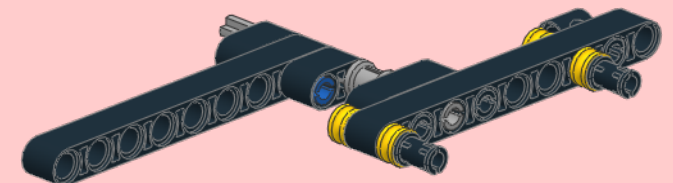
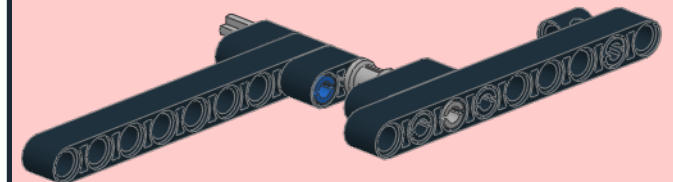
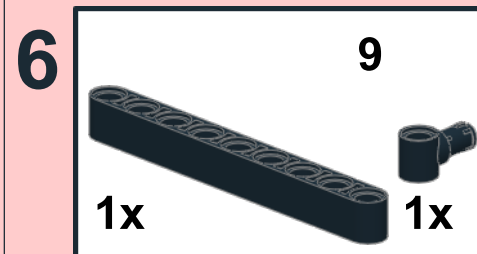
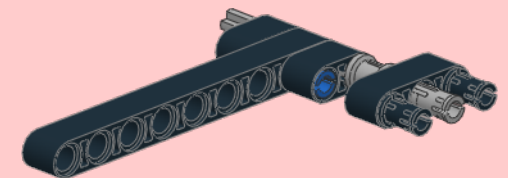
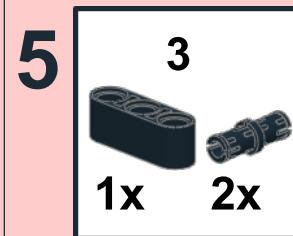
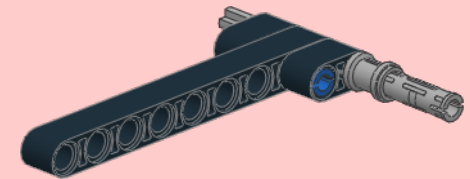
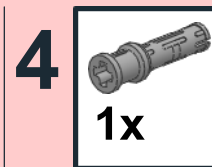
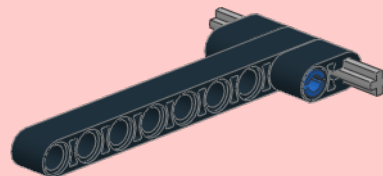
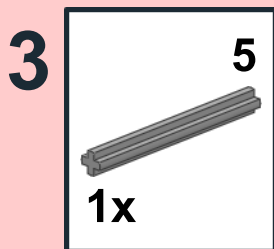
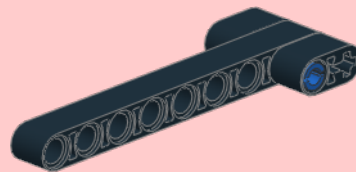
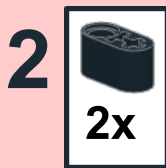
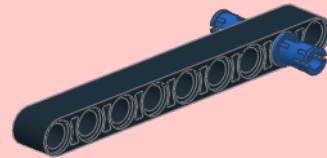
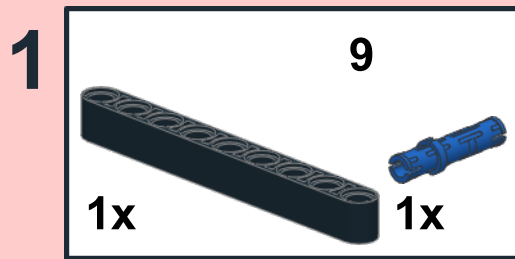


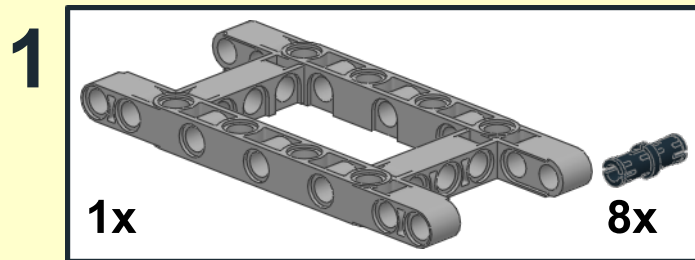




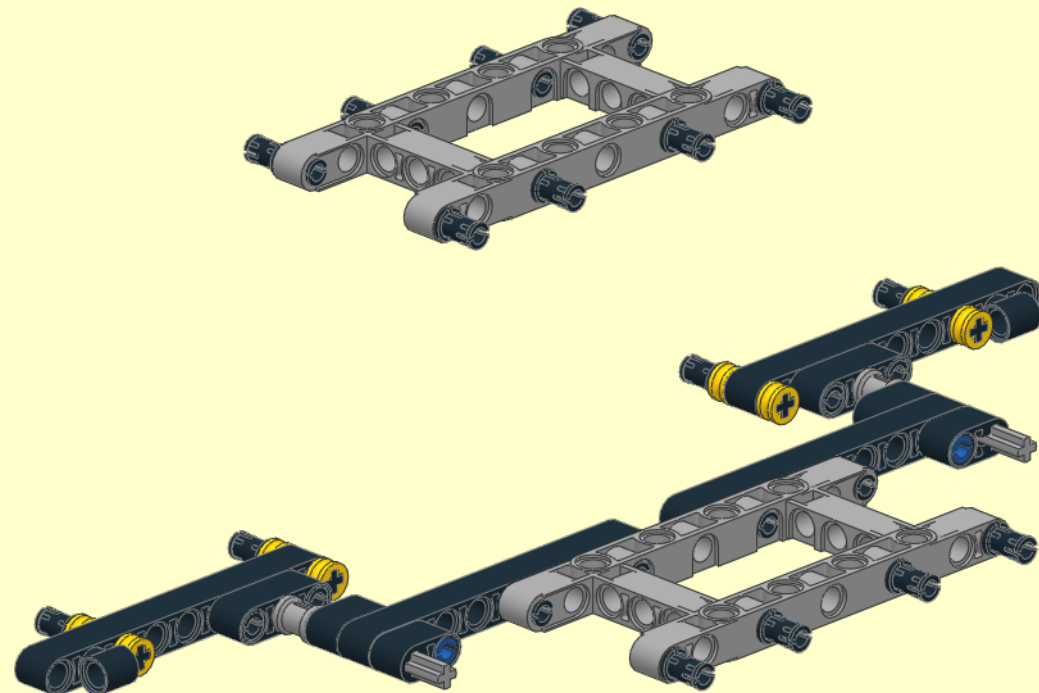




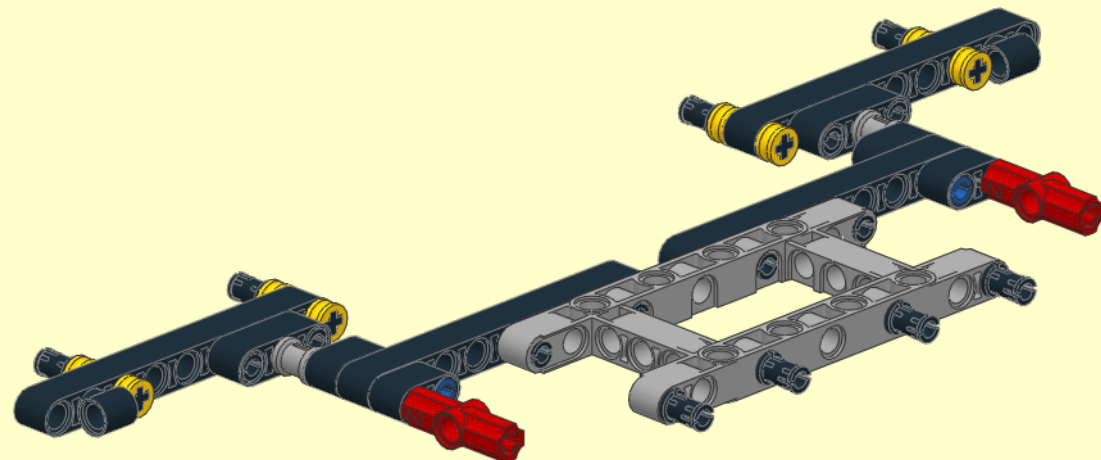
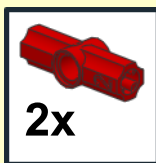




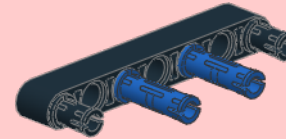
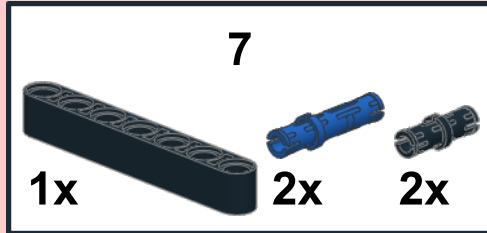
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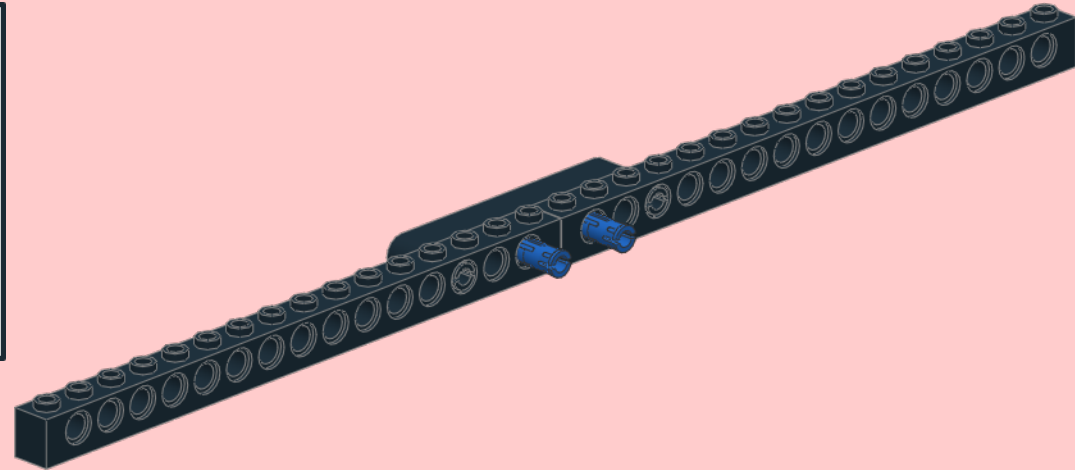
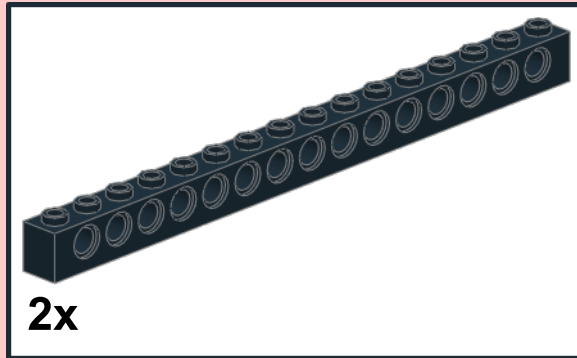
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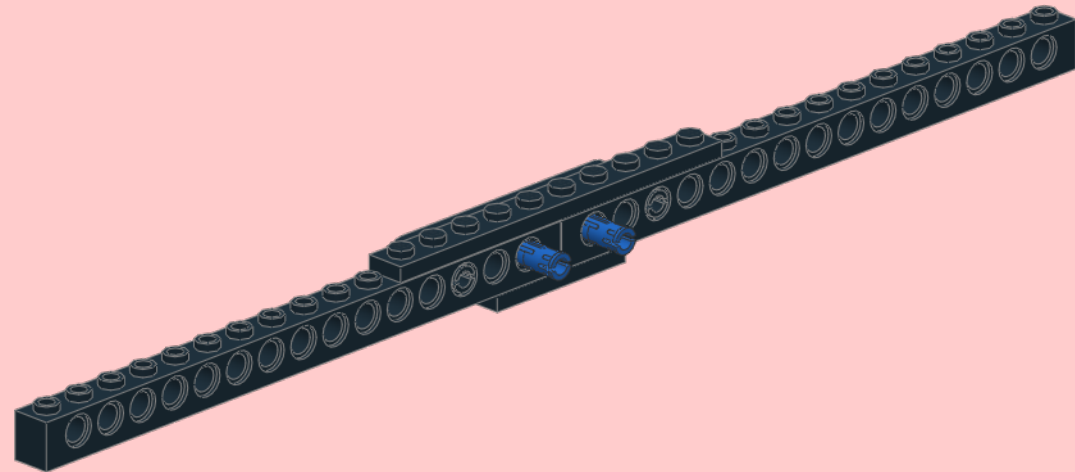
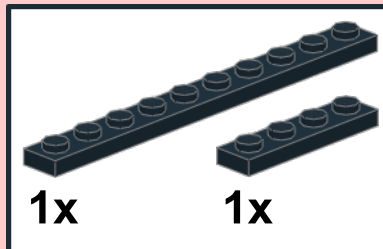
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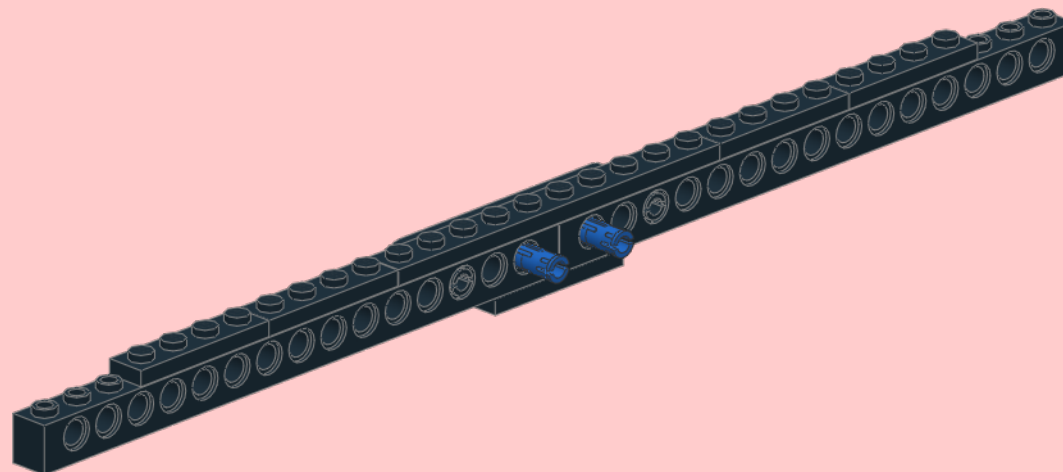
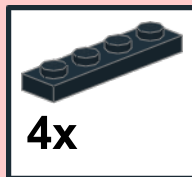
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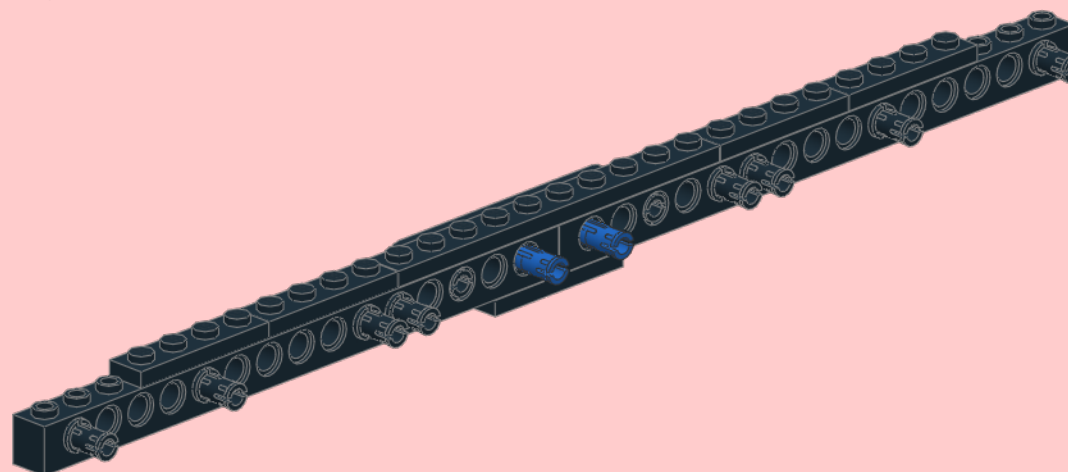
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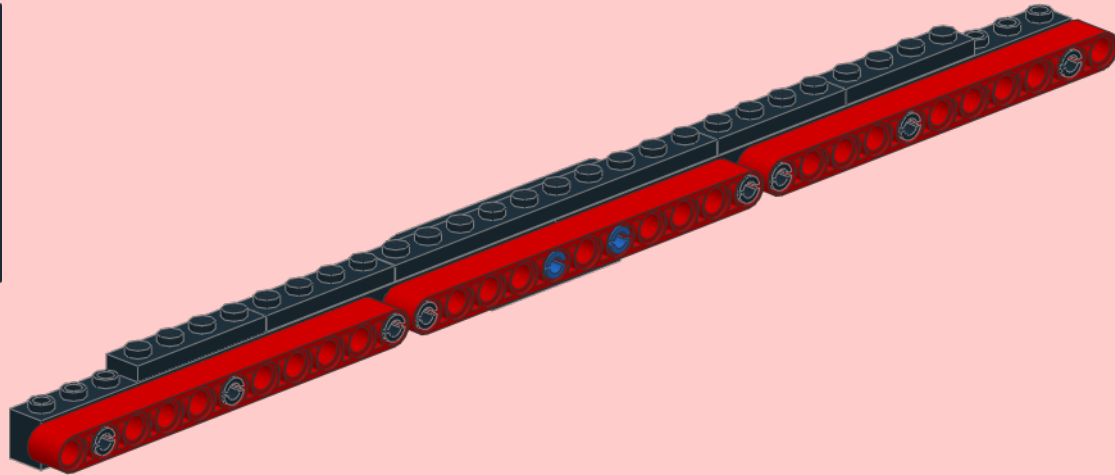
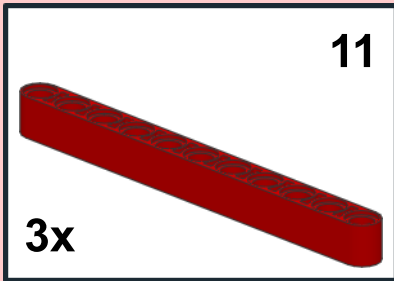
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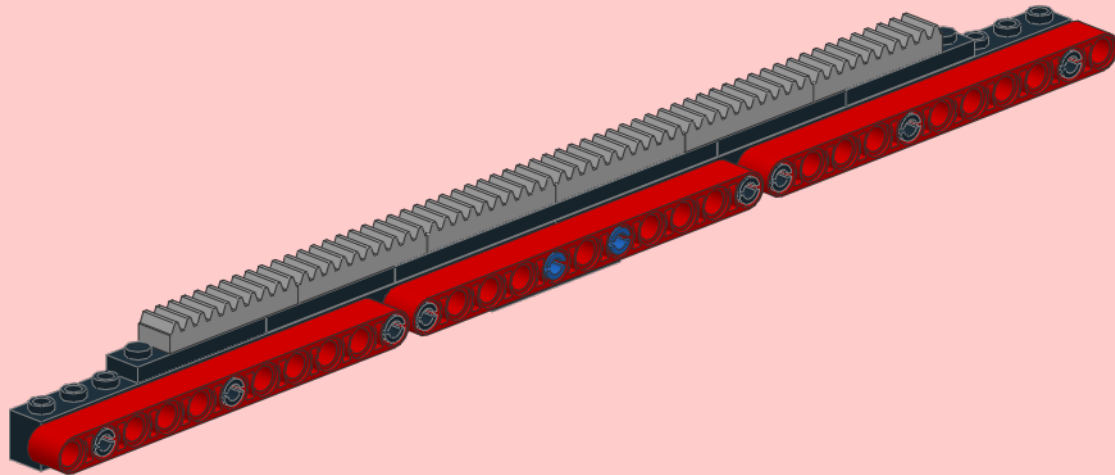
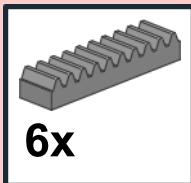
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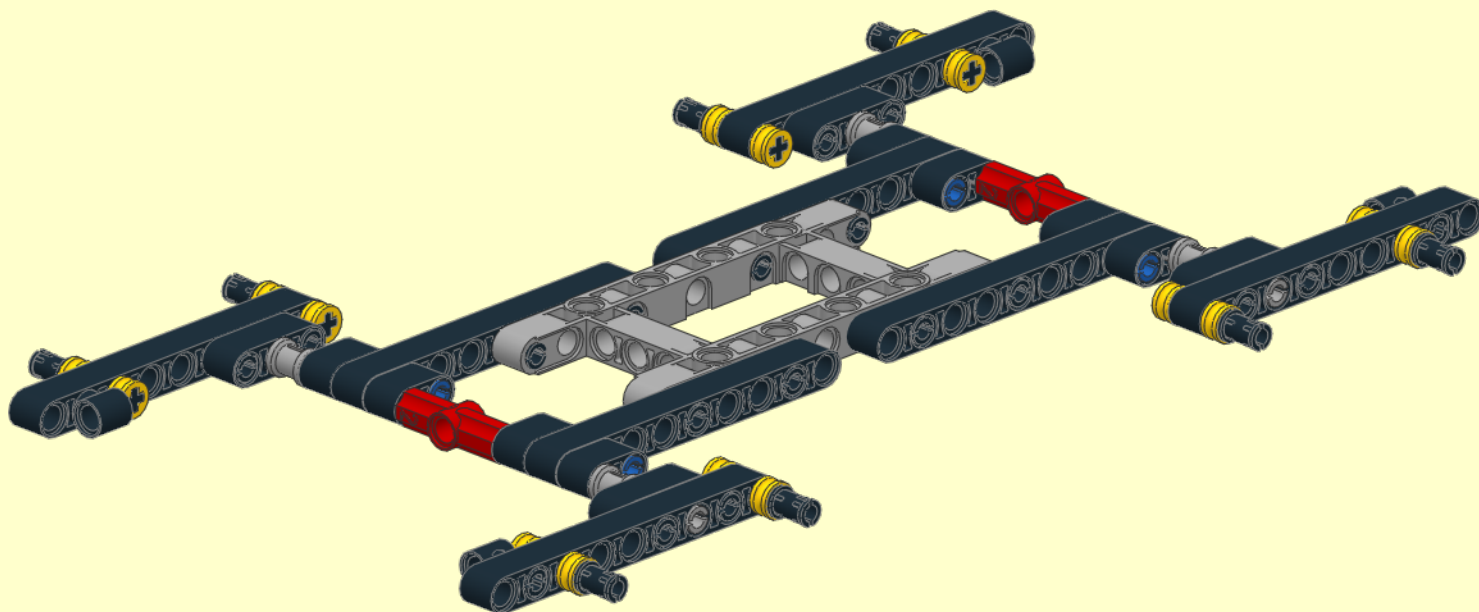


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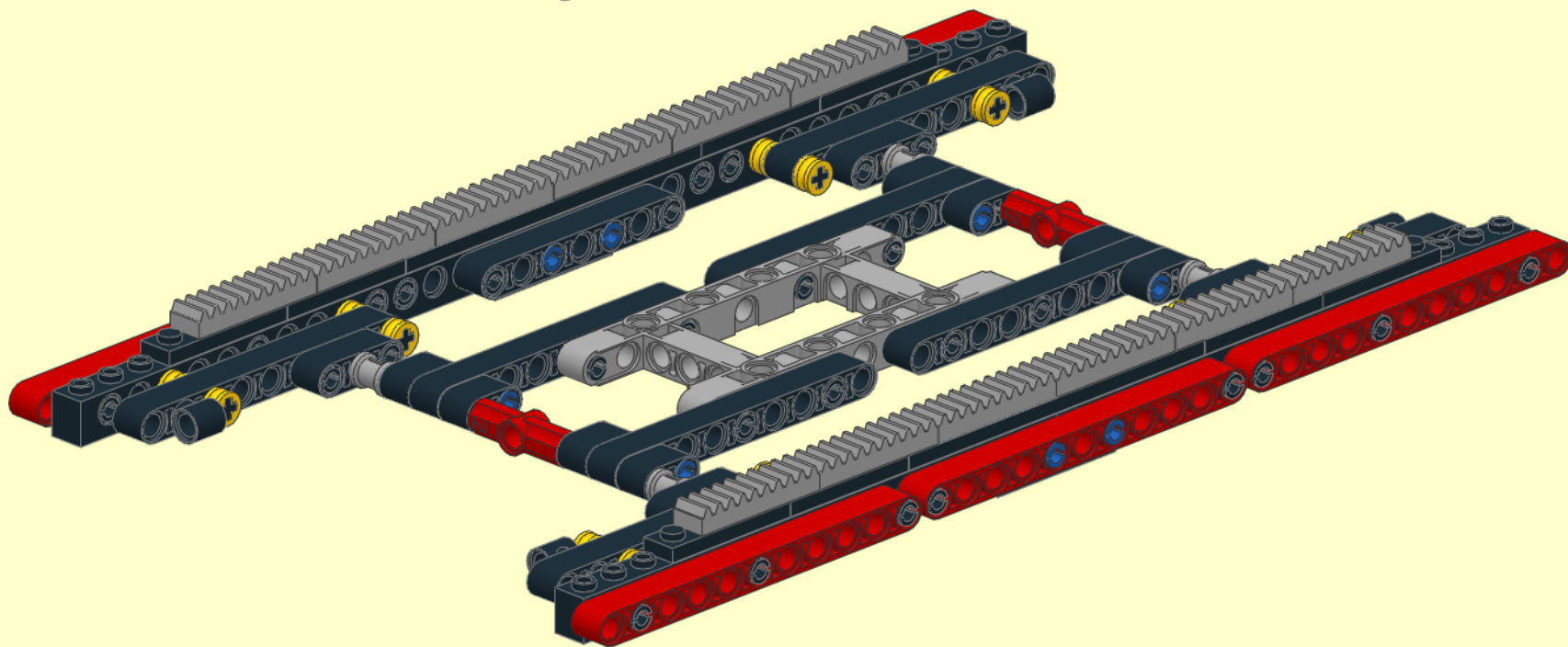




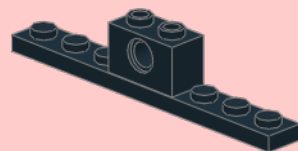
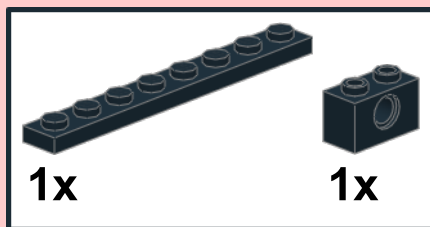
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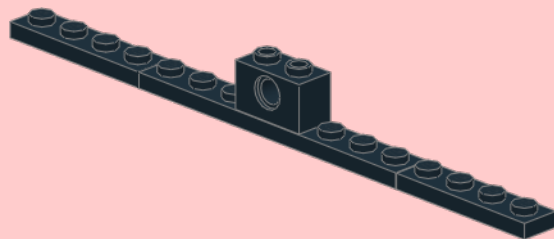
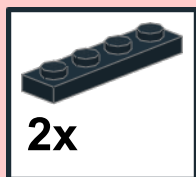
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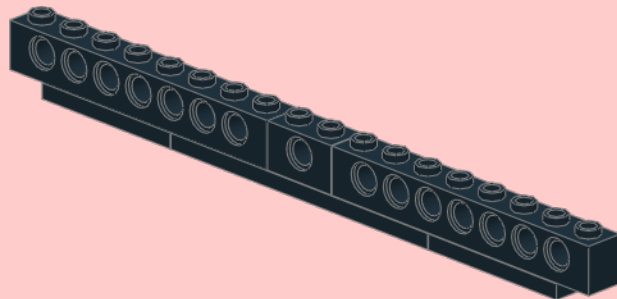
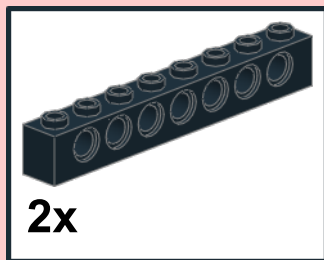
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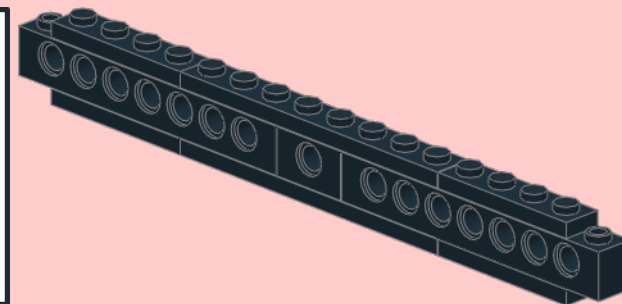
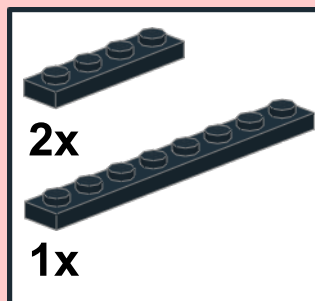
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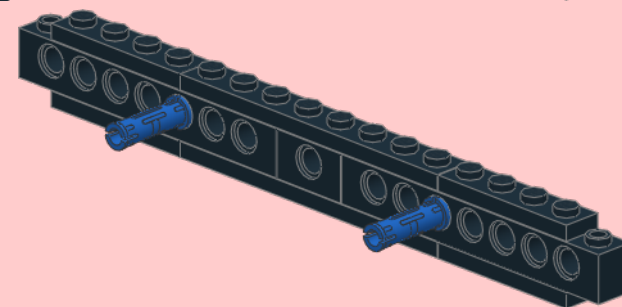
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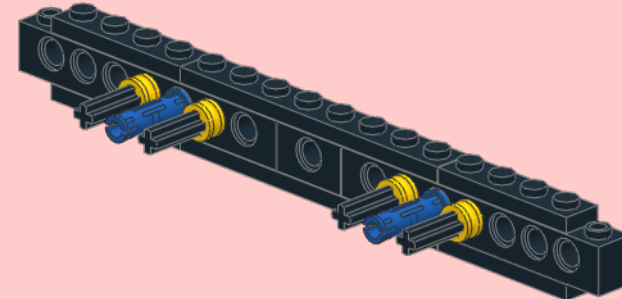
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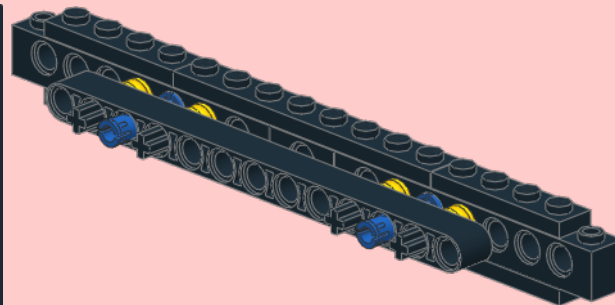
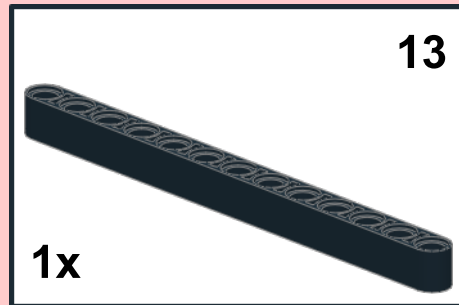
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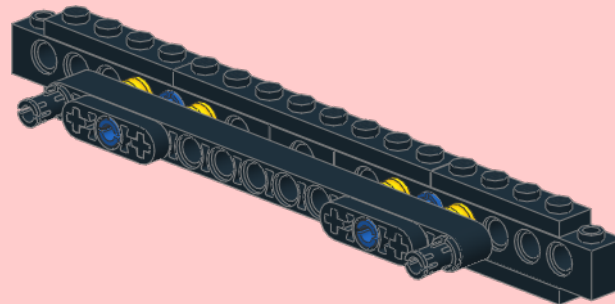
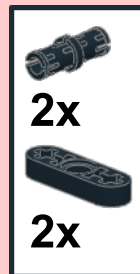
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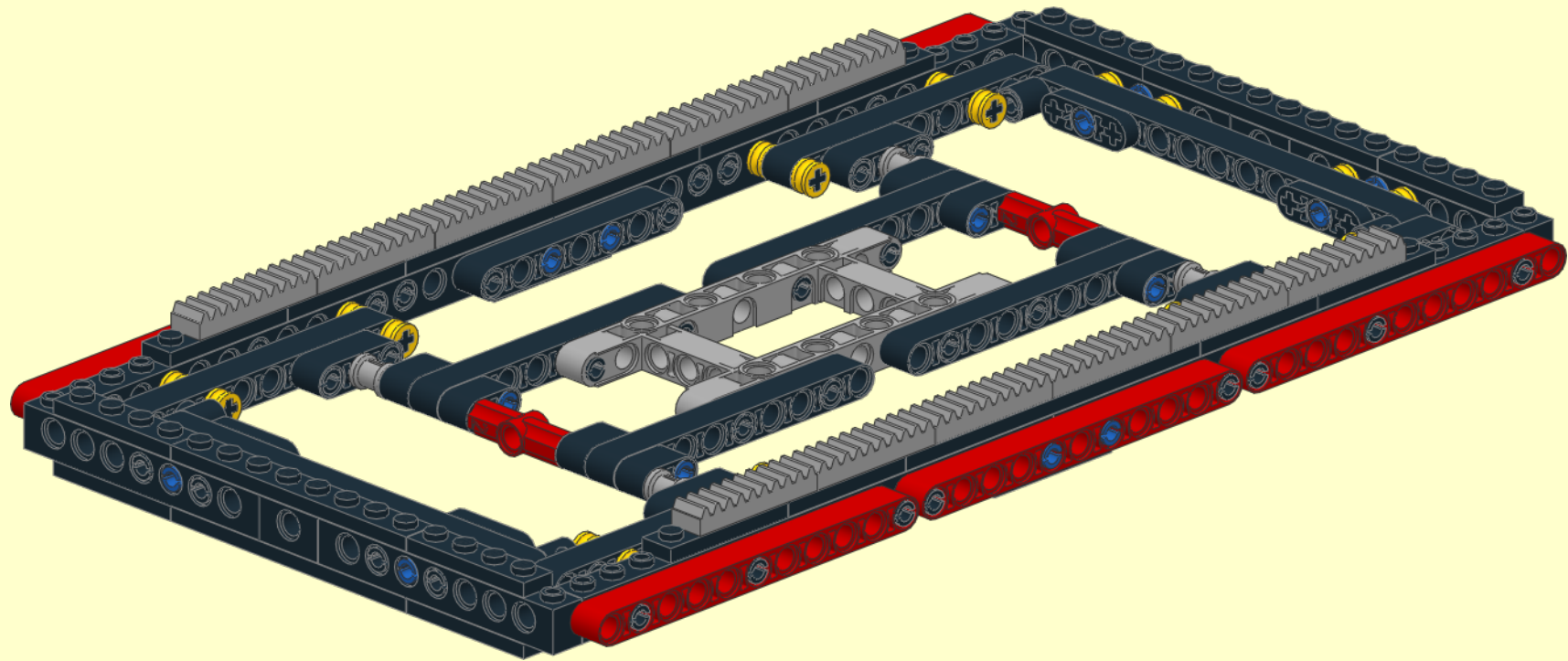


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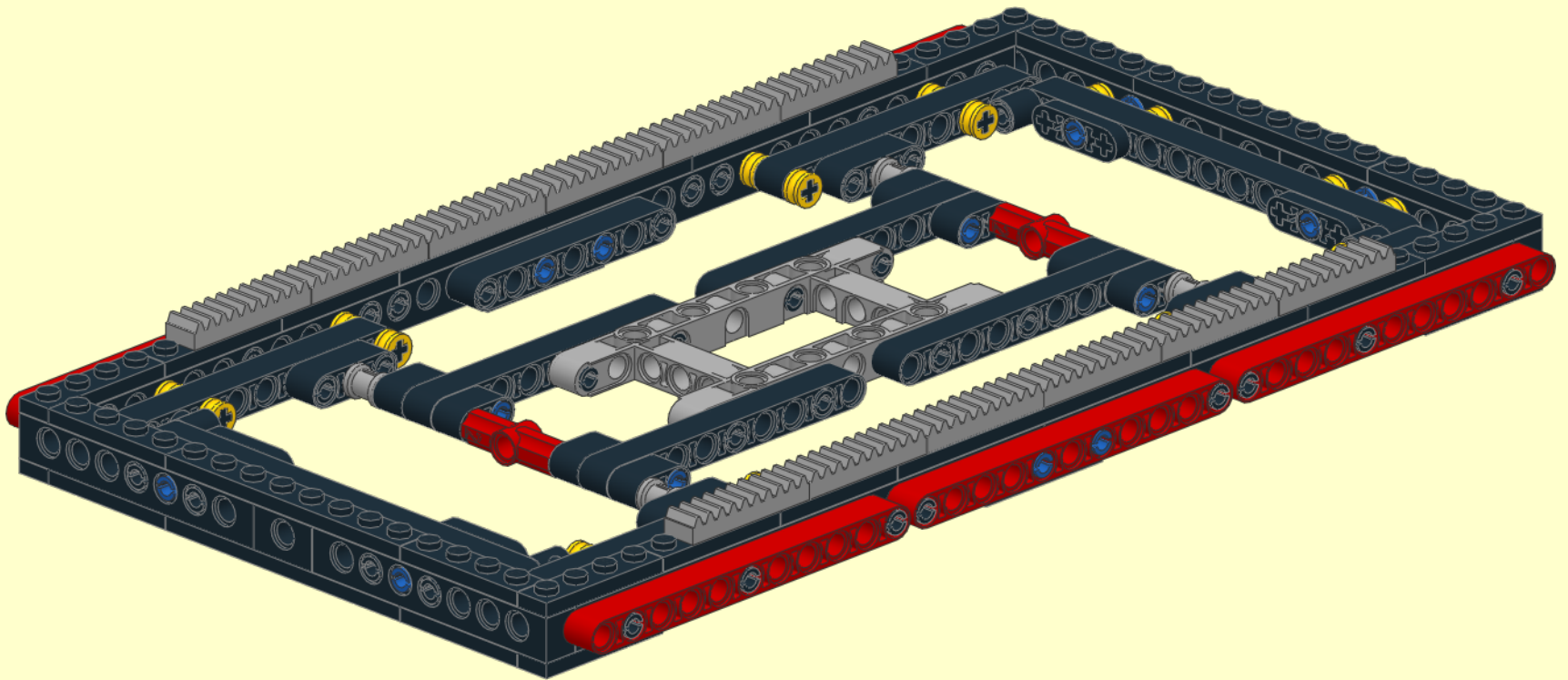
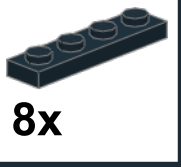
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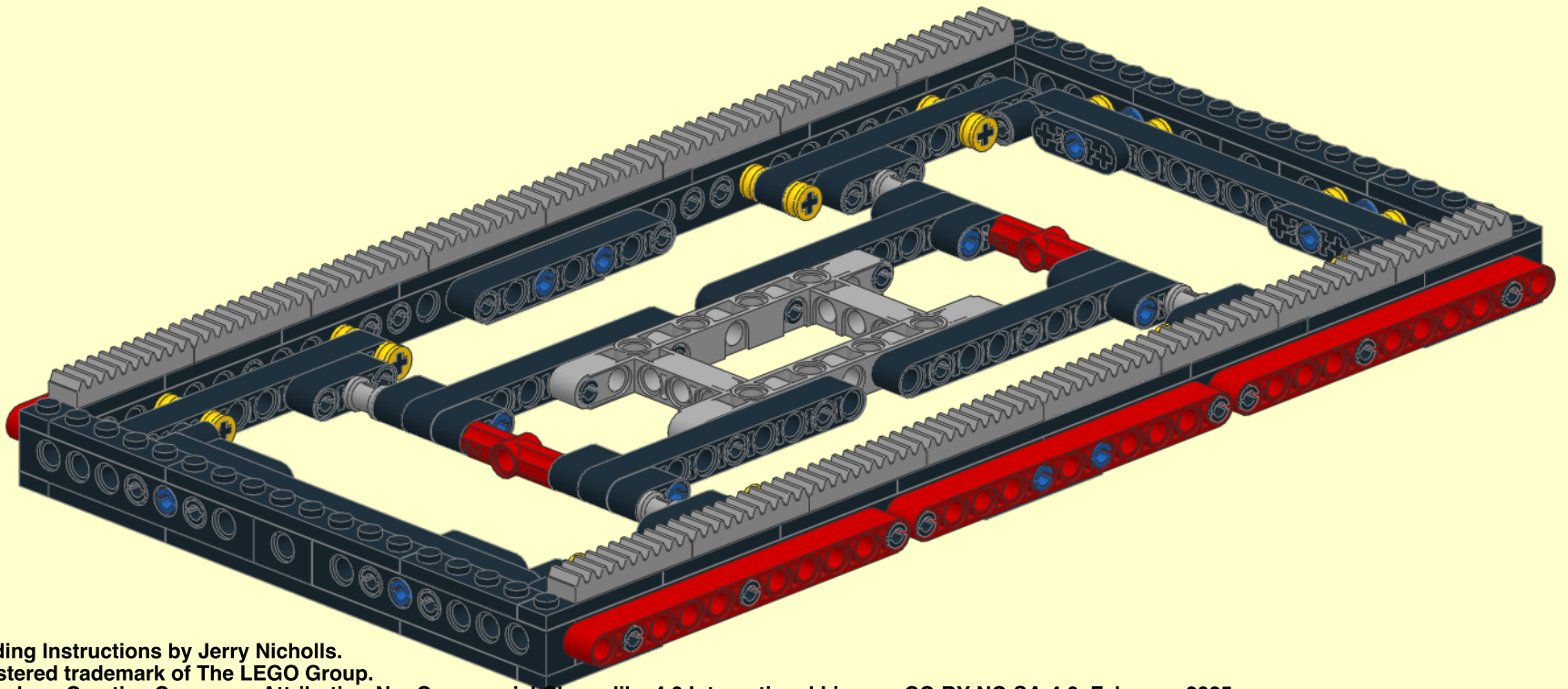
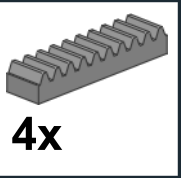




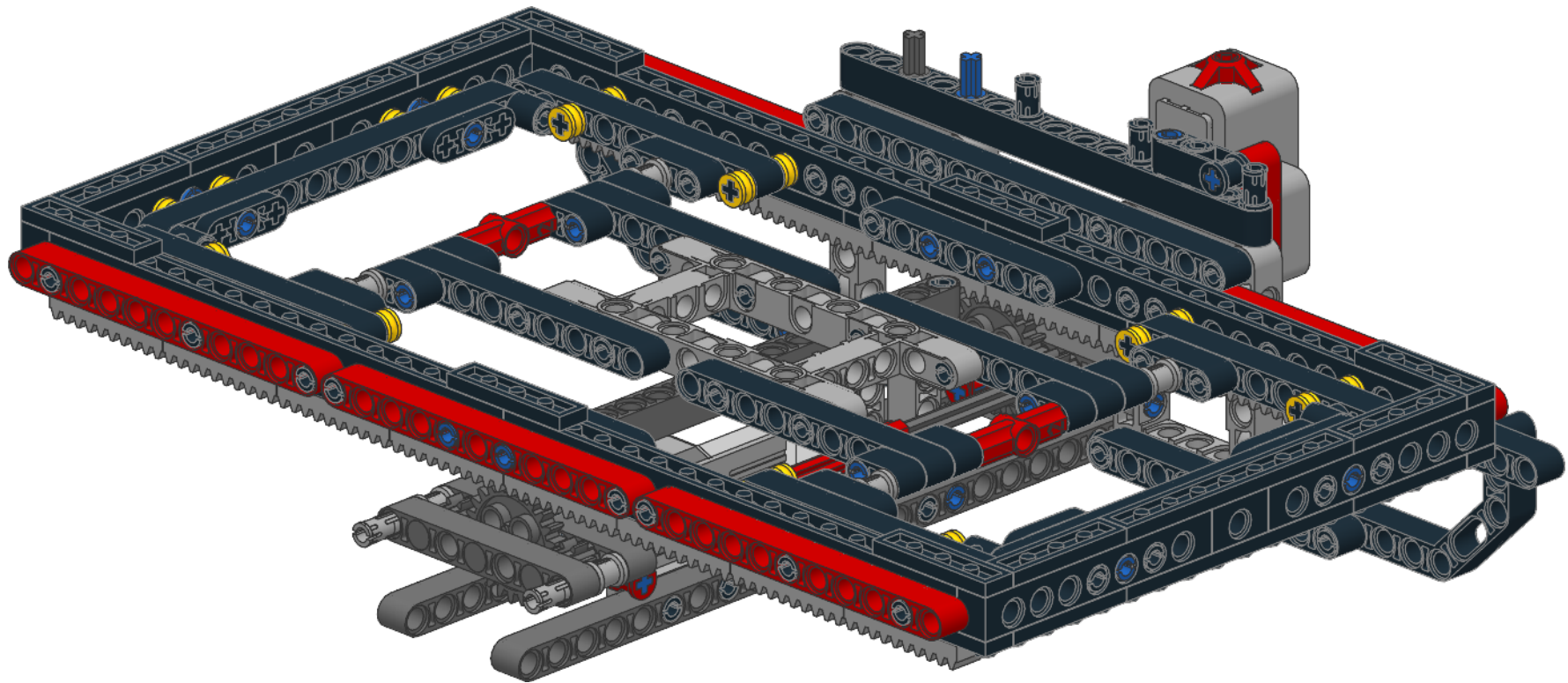
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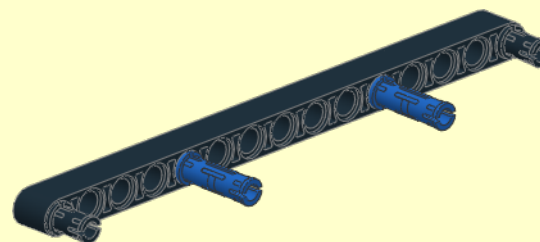
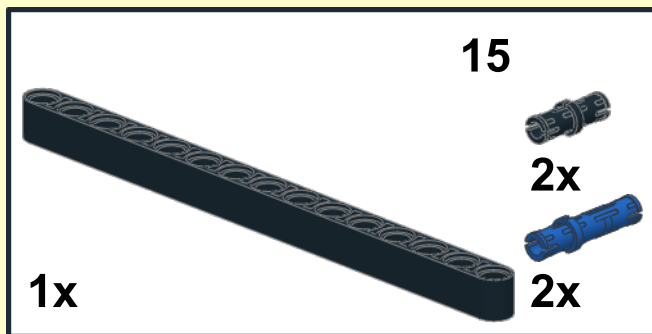
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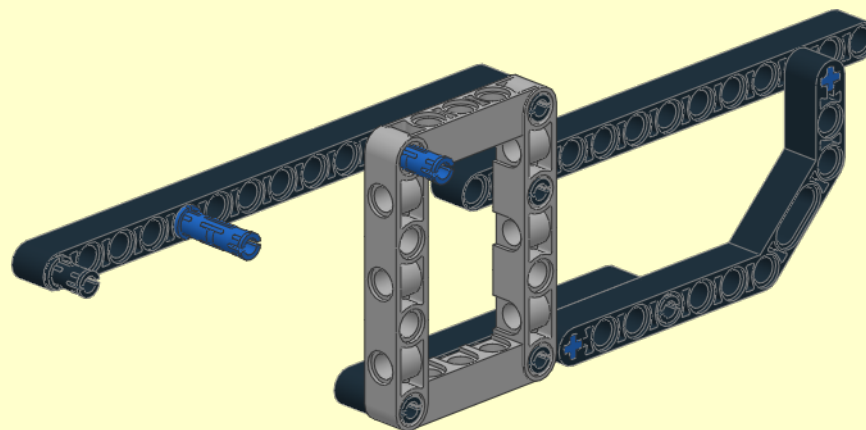




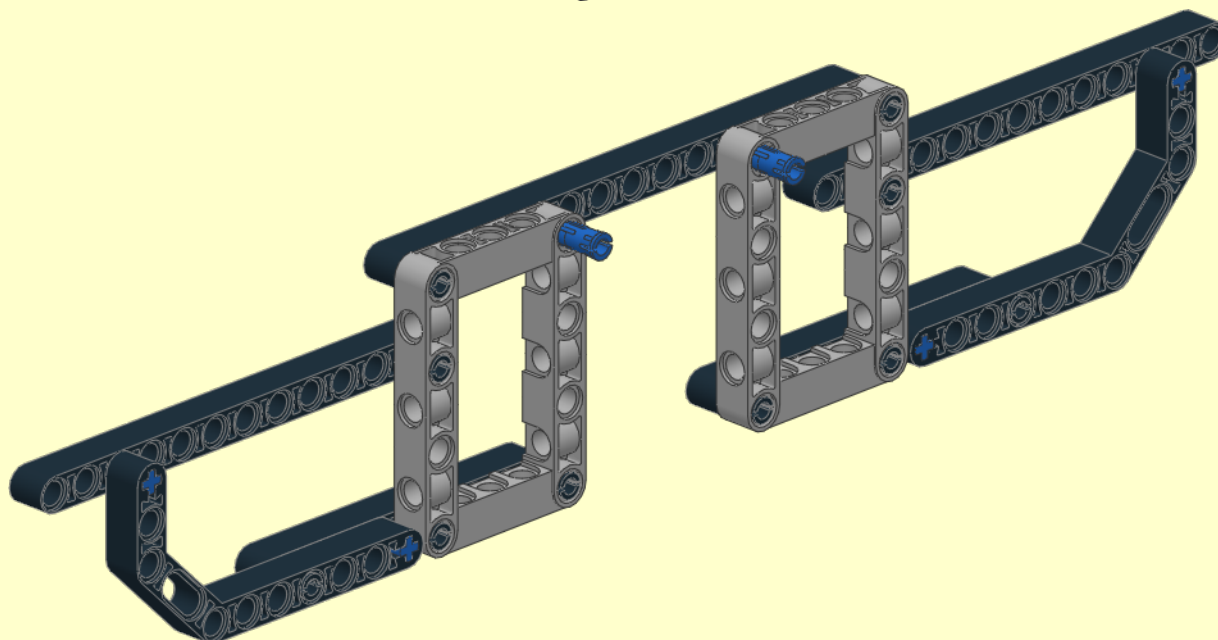
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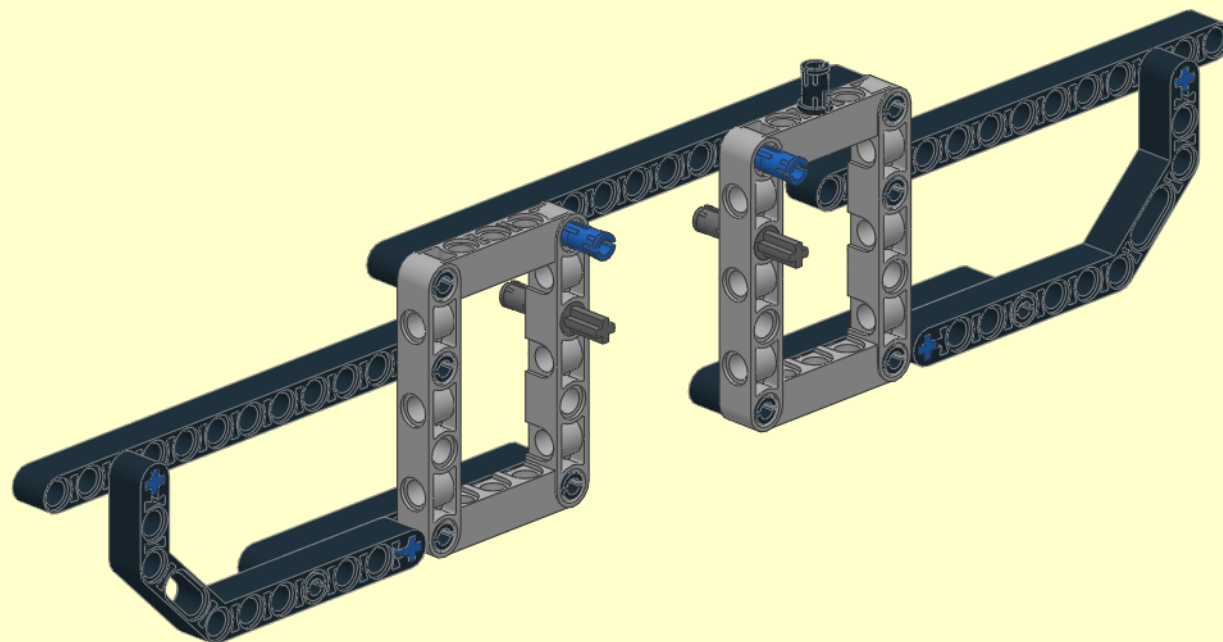
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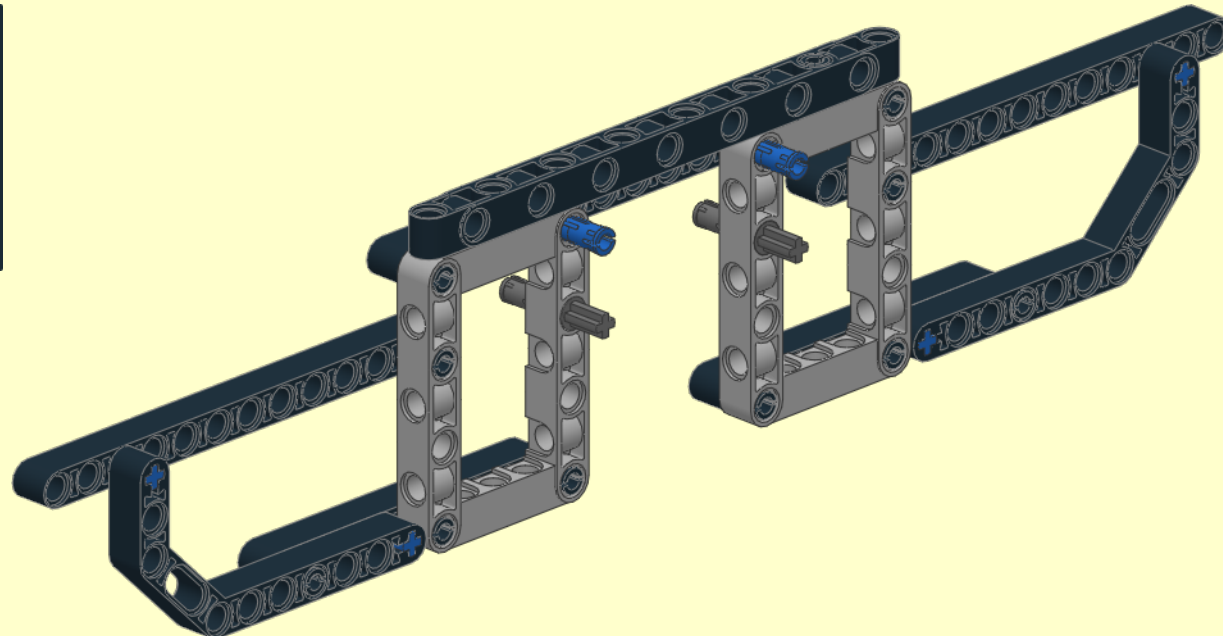
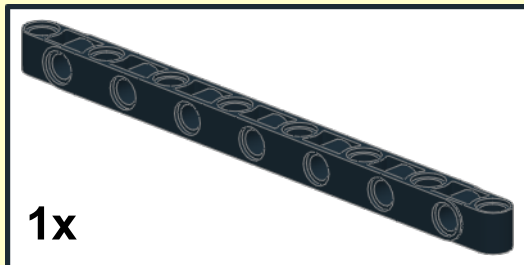
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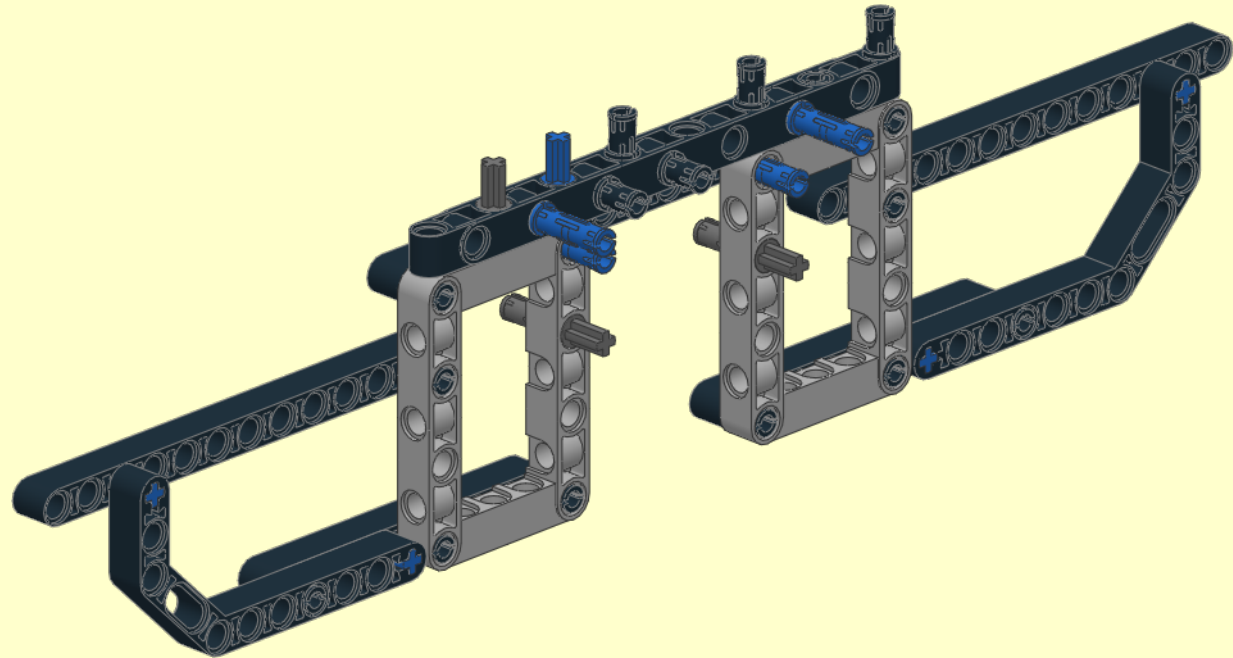
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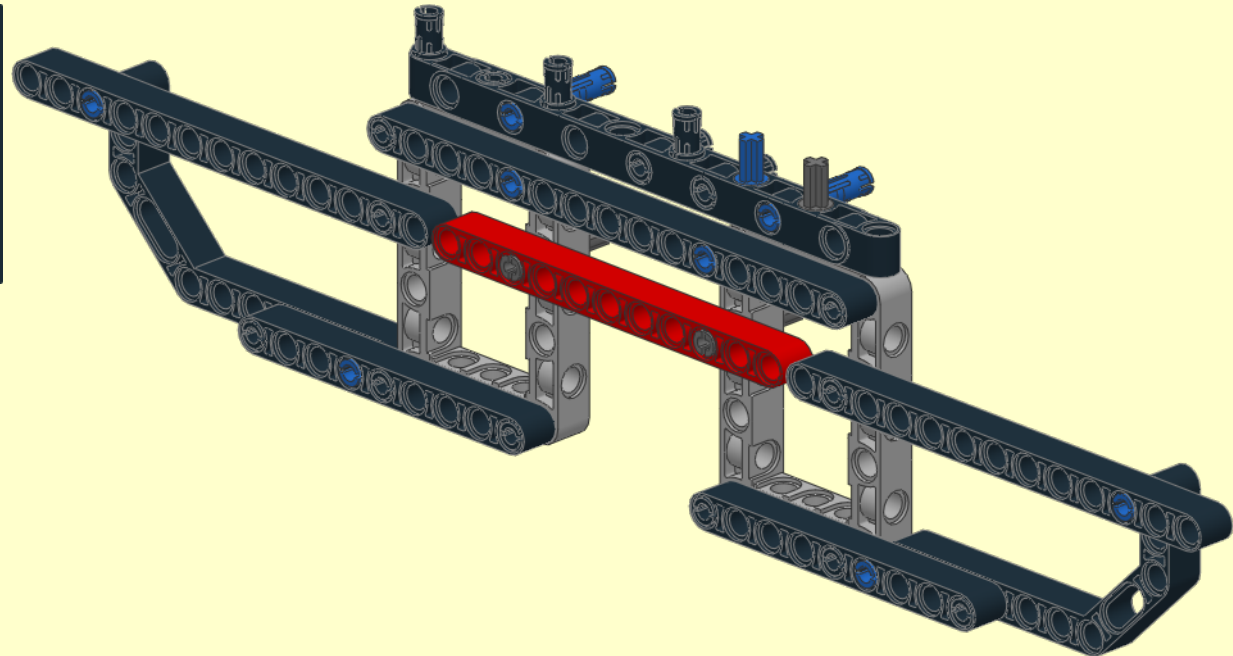
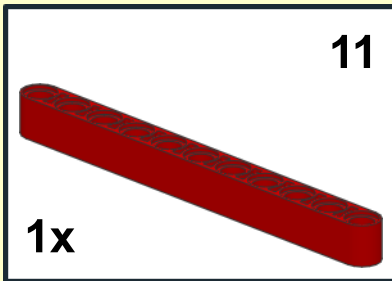
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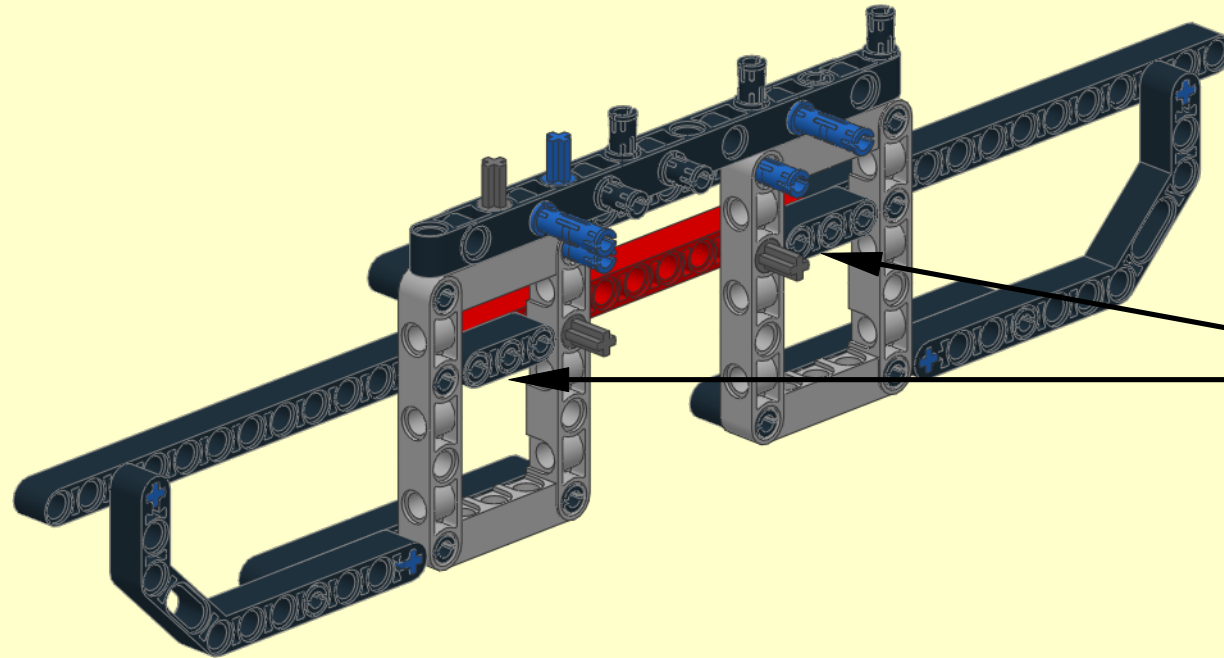


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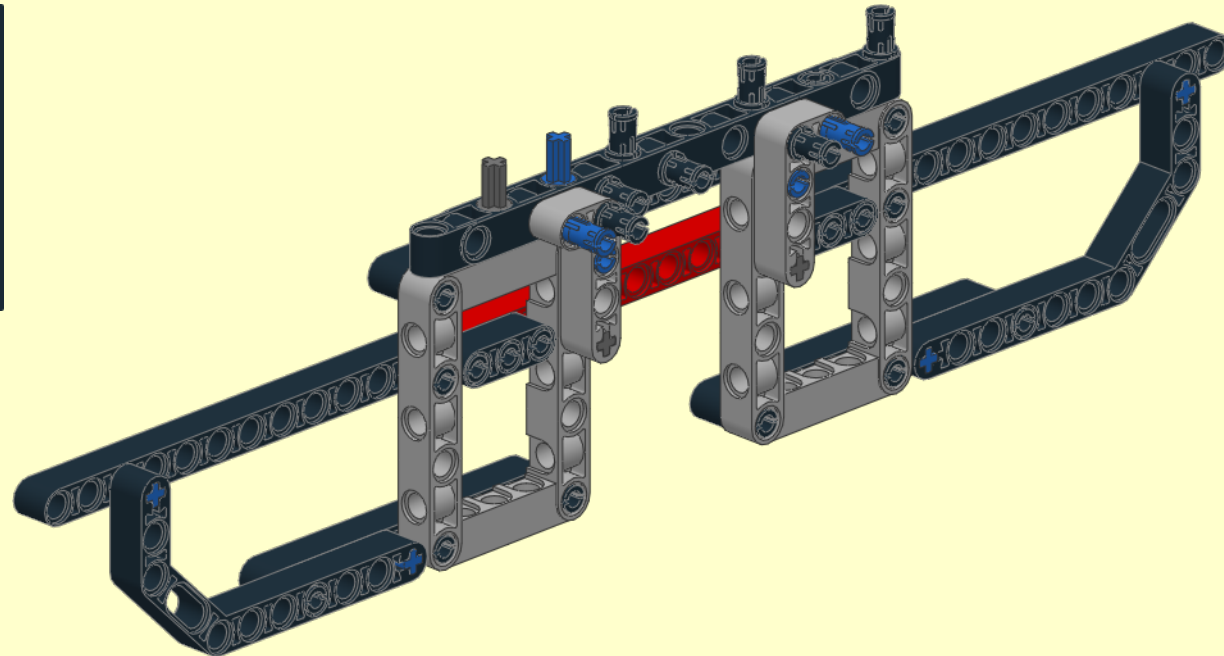
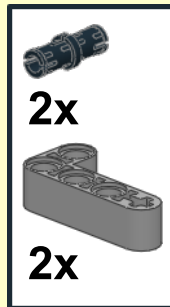


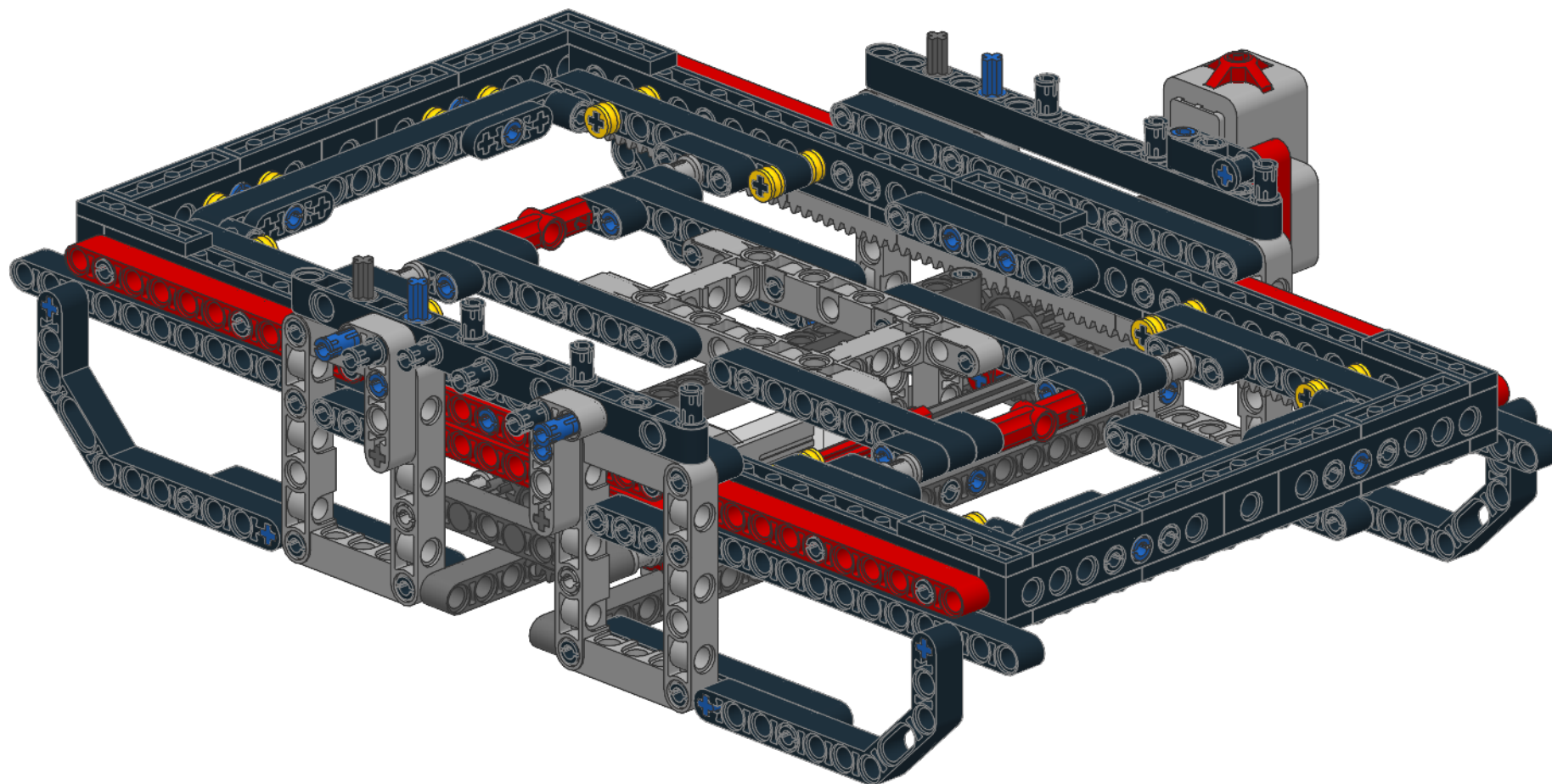


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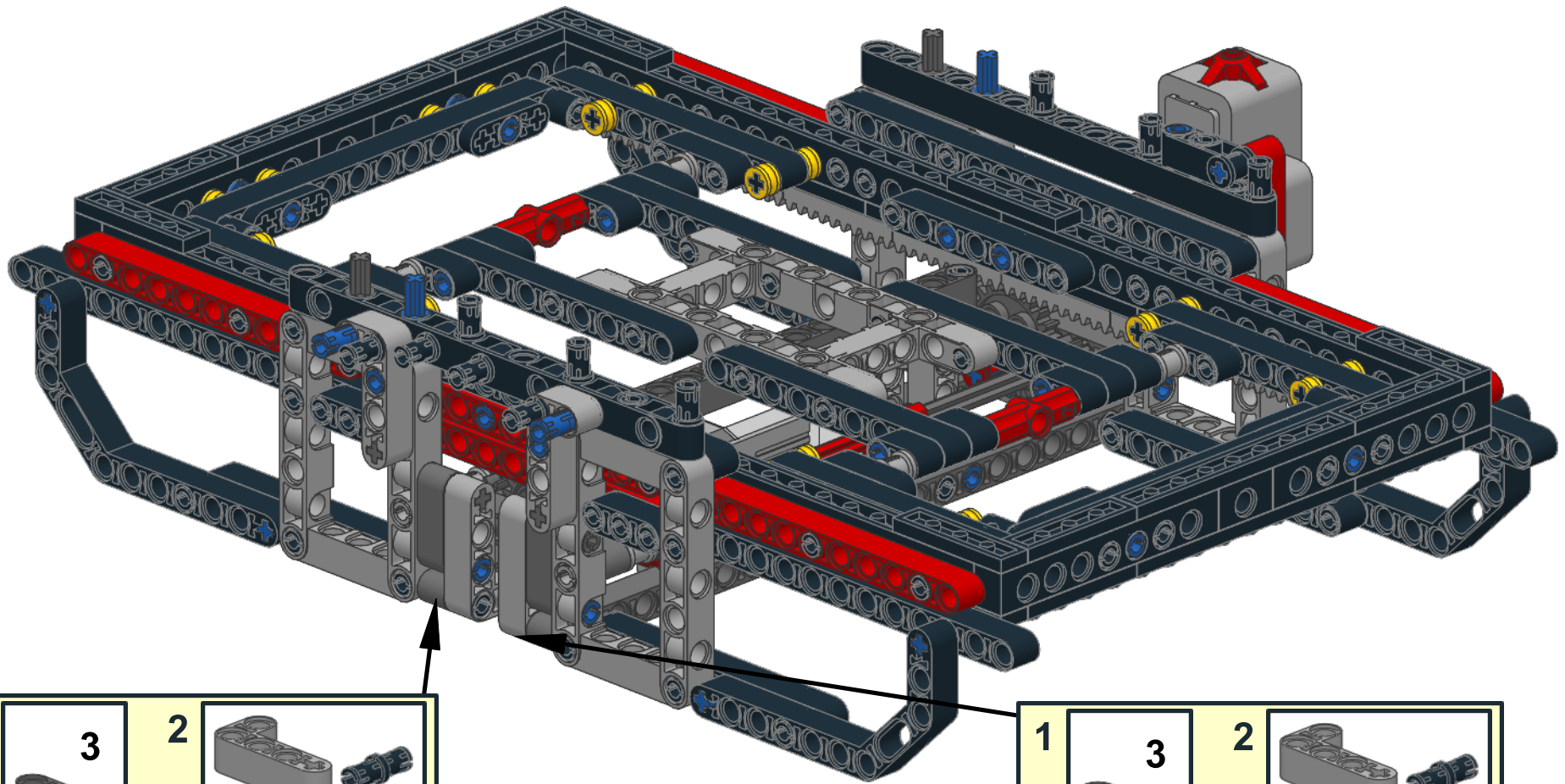


9









1

3

1x

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2

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2x

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3

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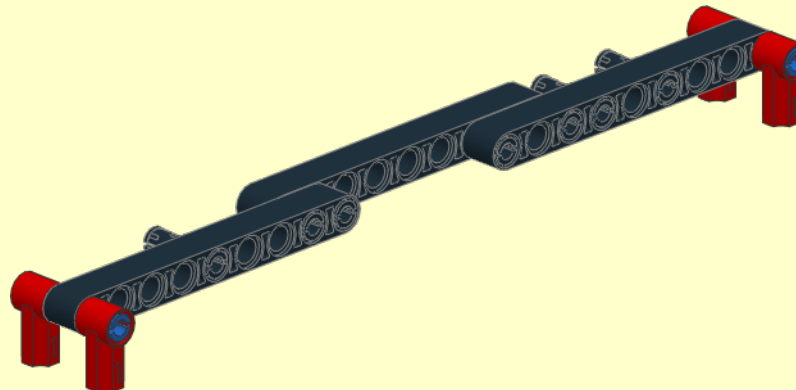
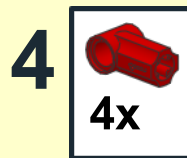
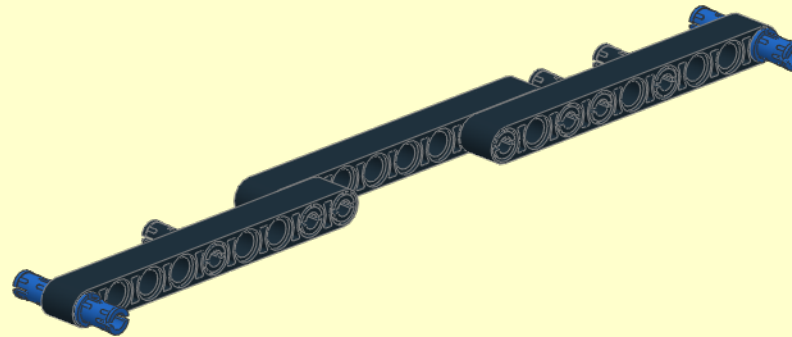
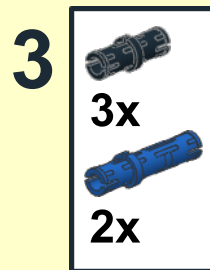
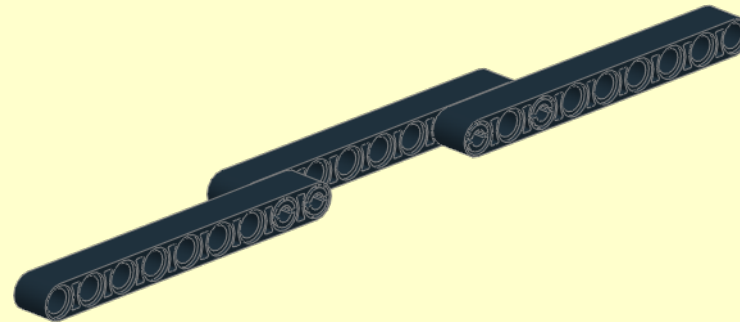
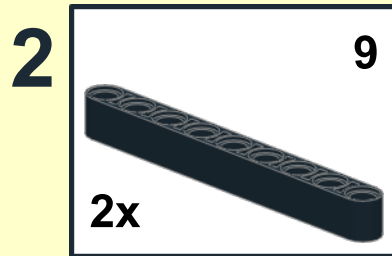
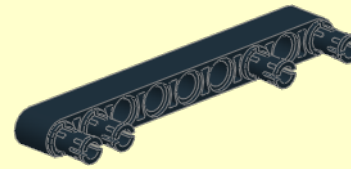
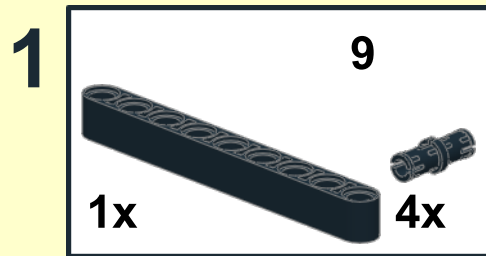
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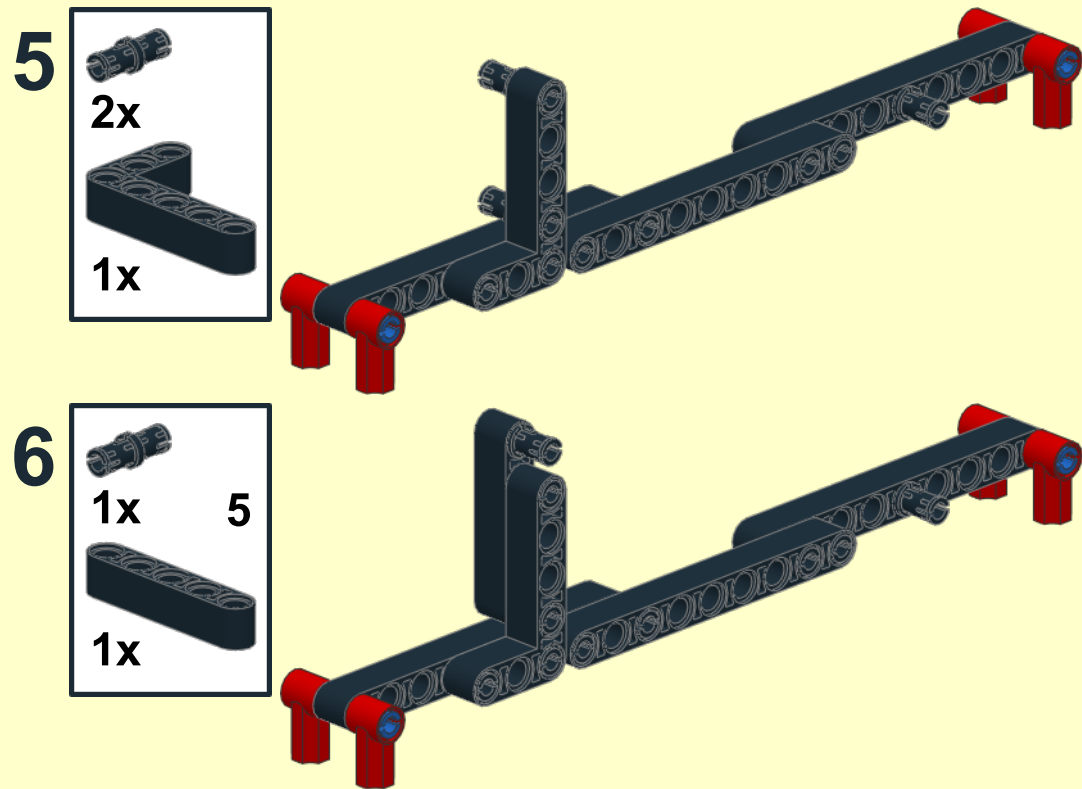
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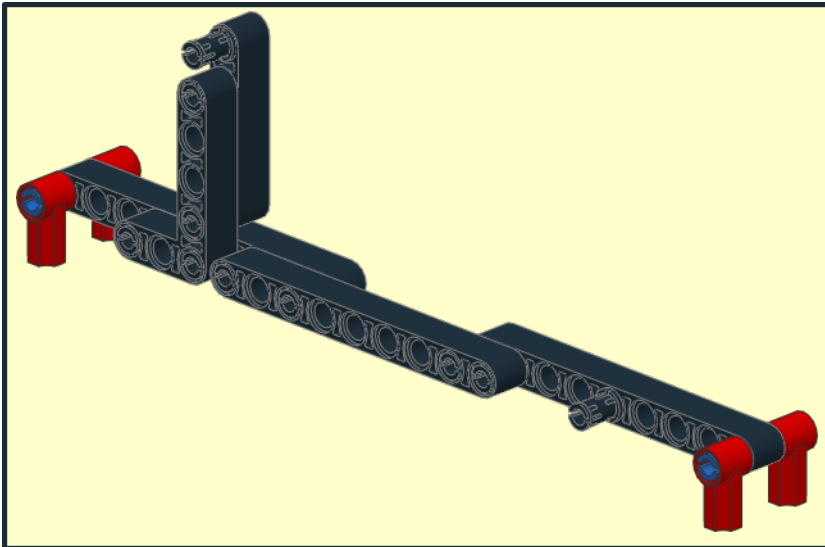
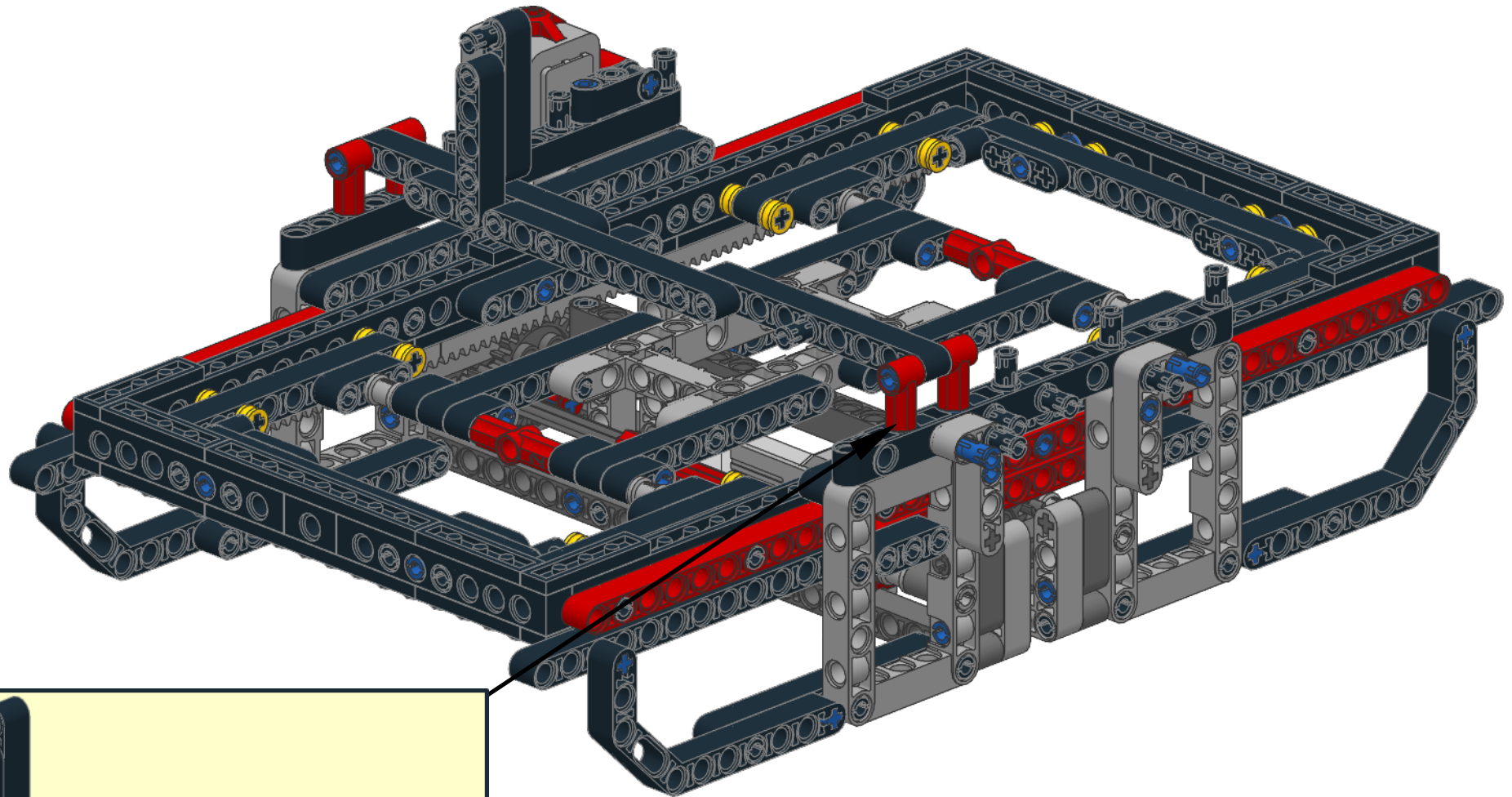
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1x

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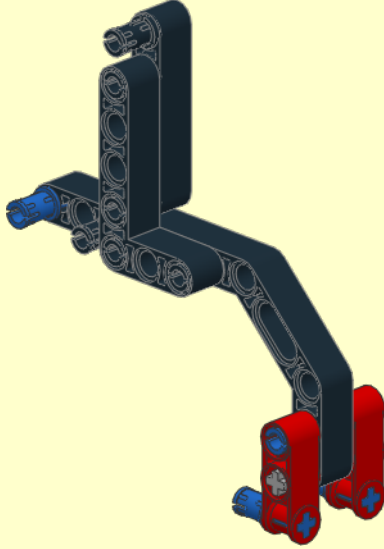
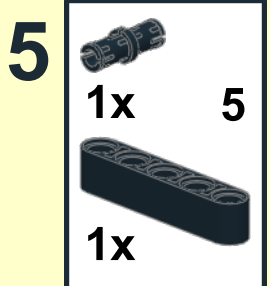
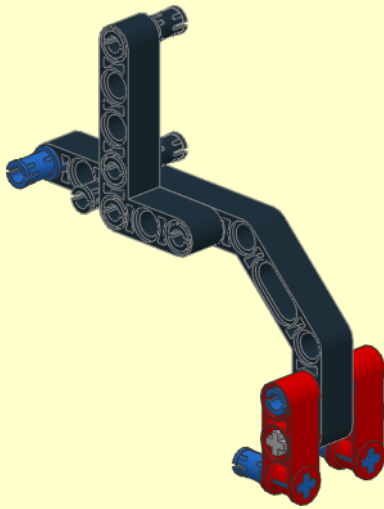
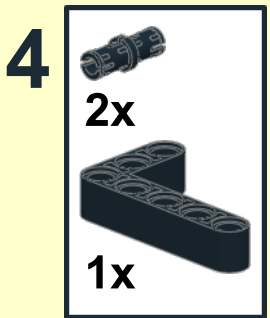
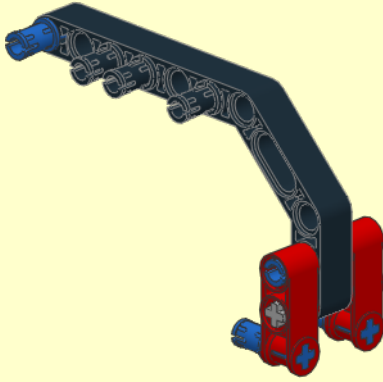
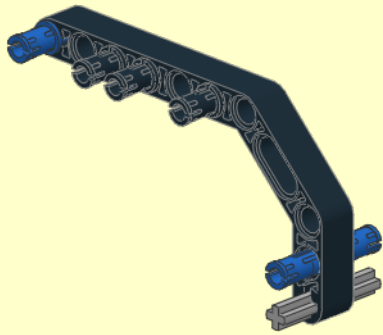
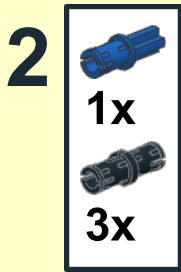
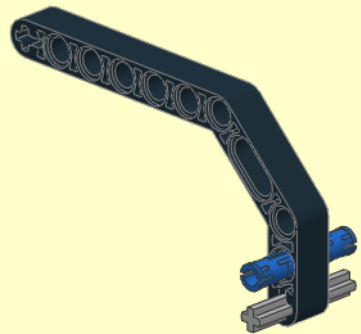
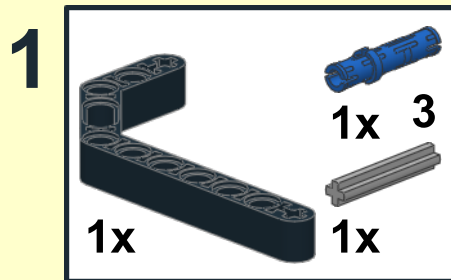


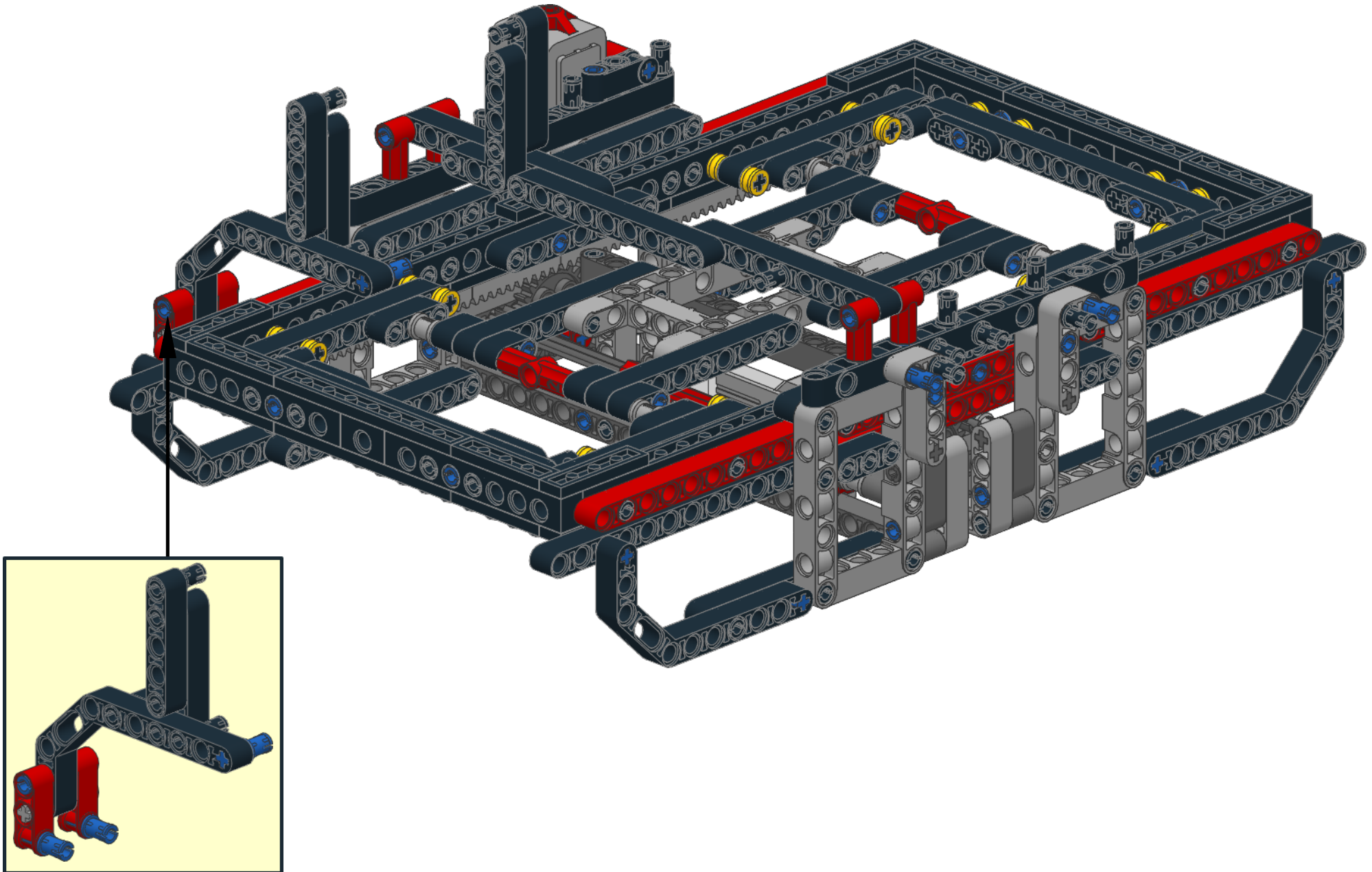
Scann3r Design & Building Instructions by Jerry Nicholls.

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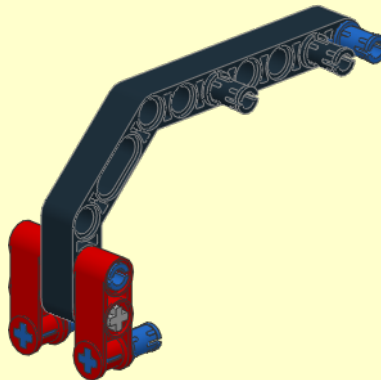
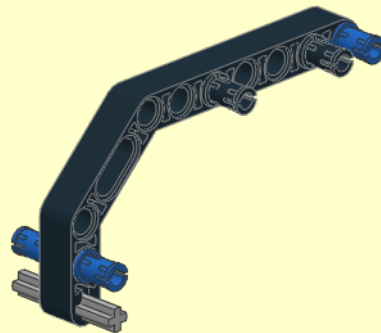
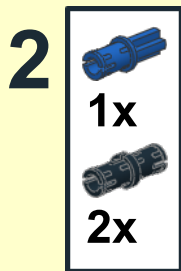
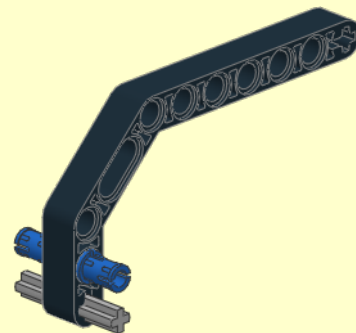
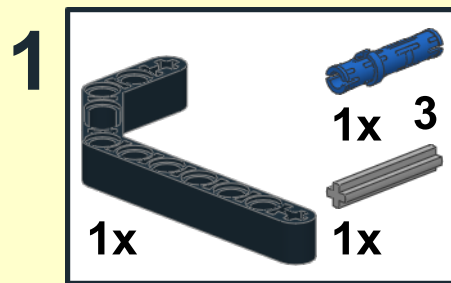
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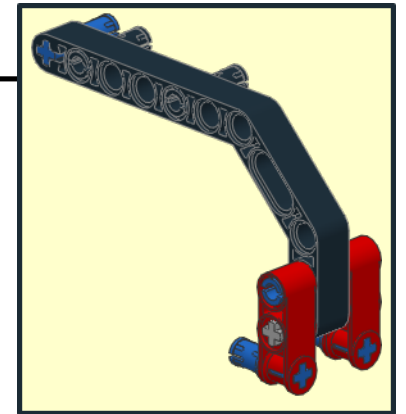
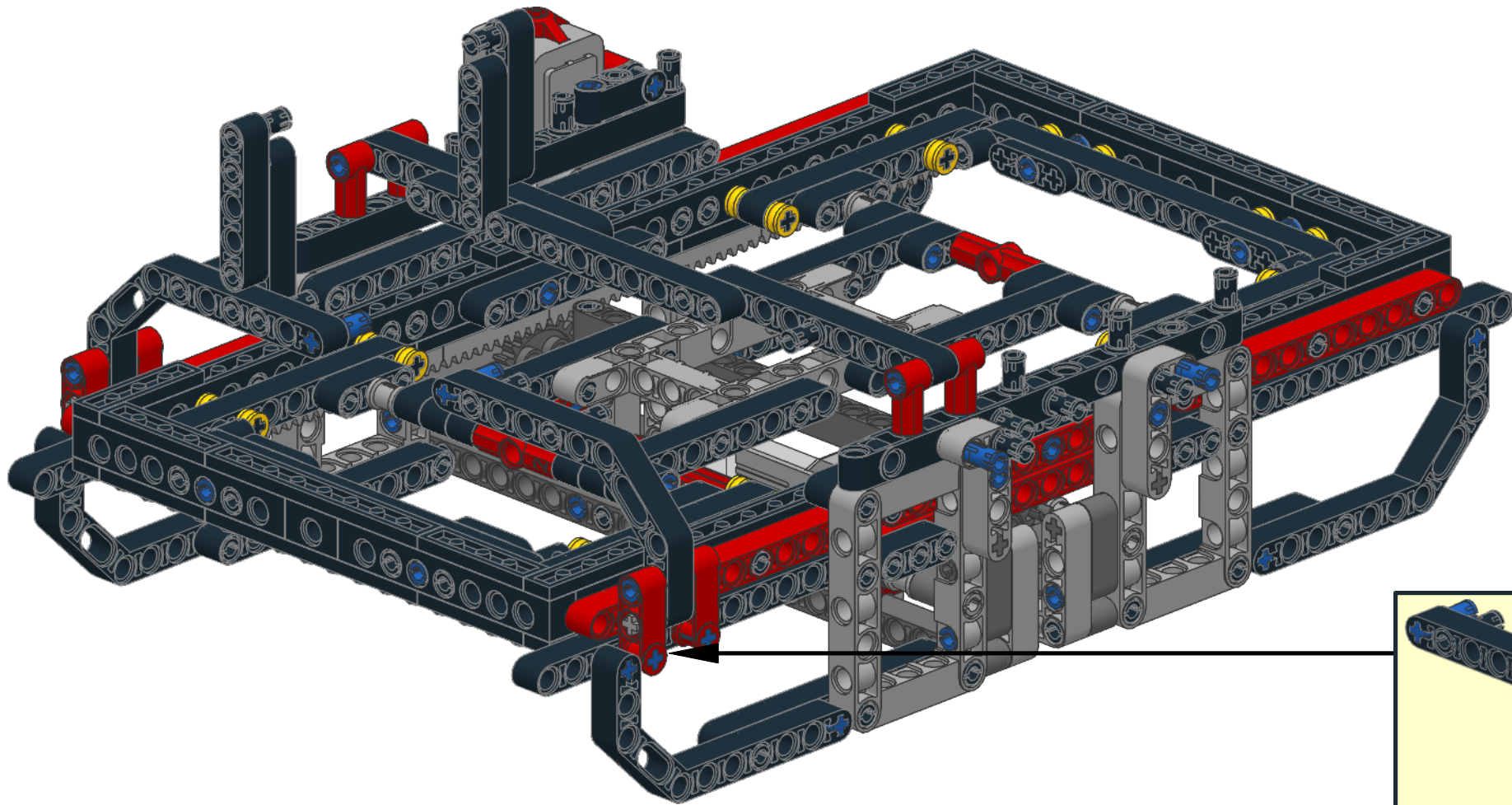








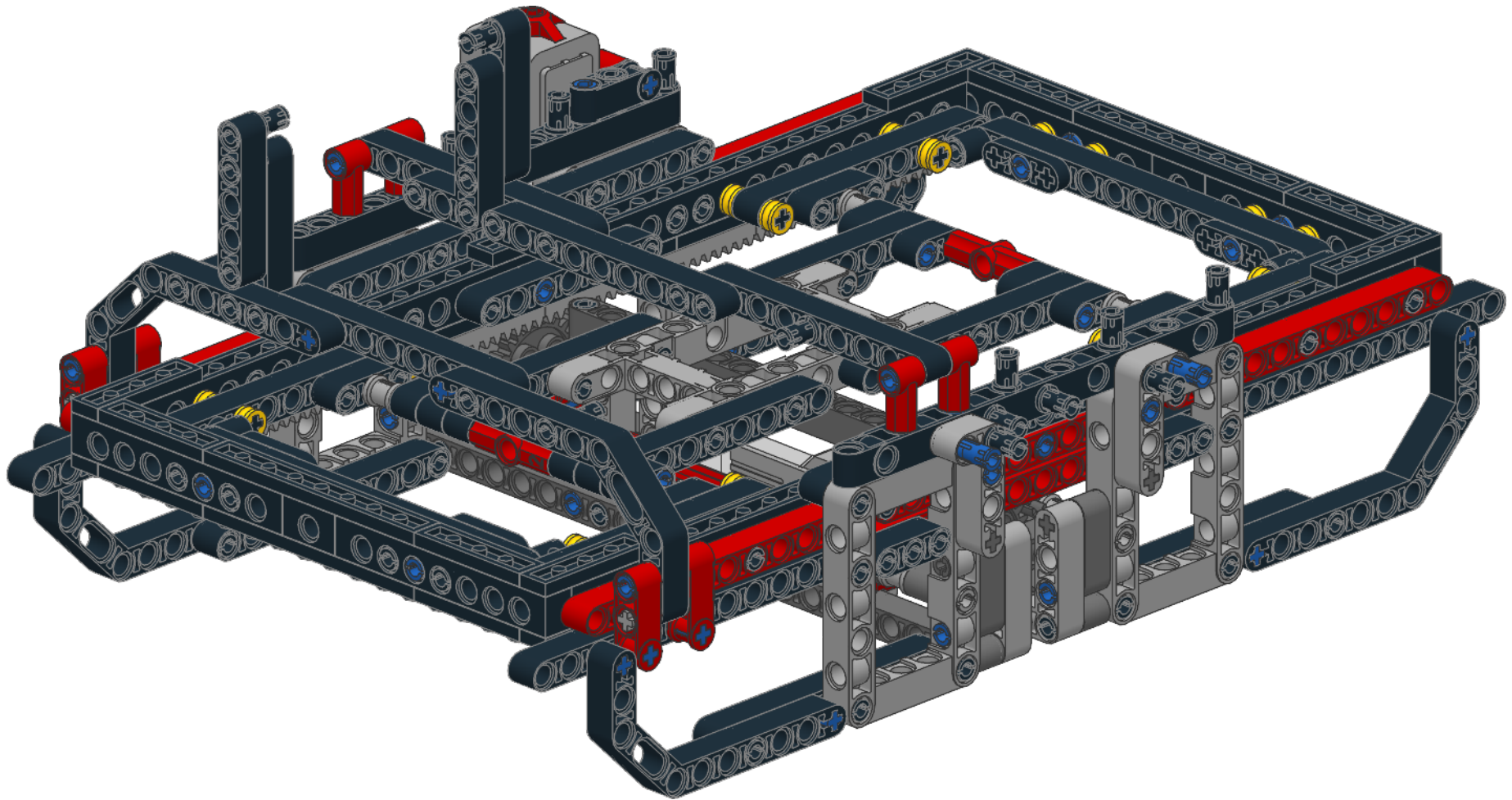
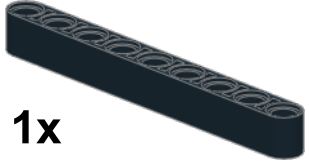




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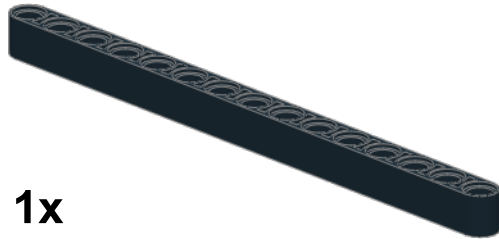
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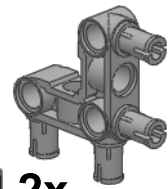


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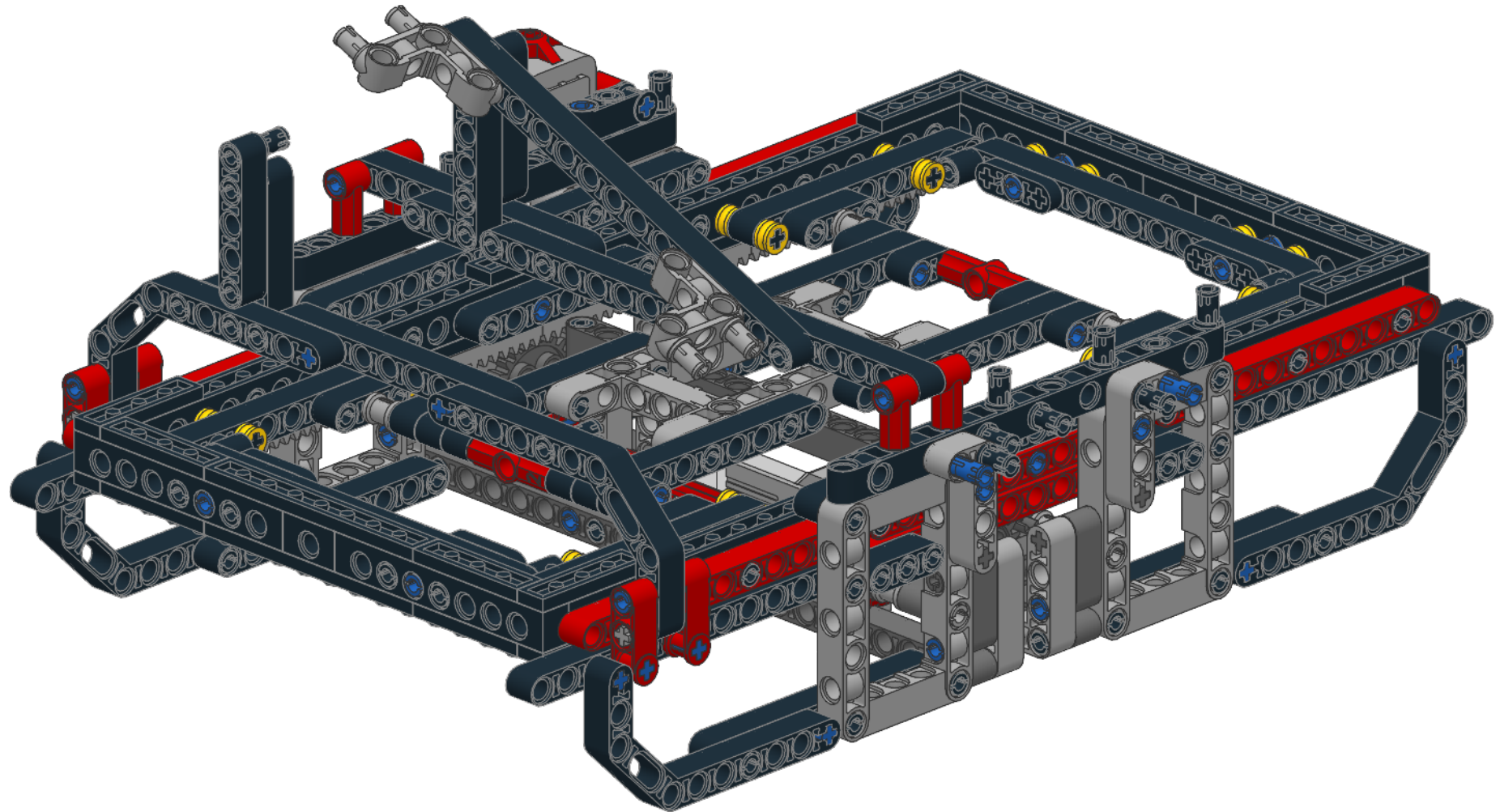
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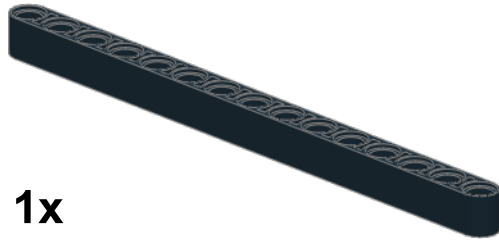


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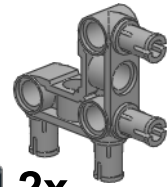


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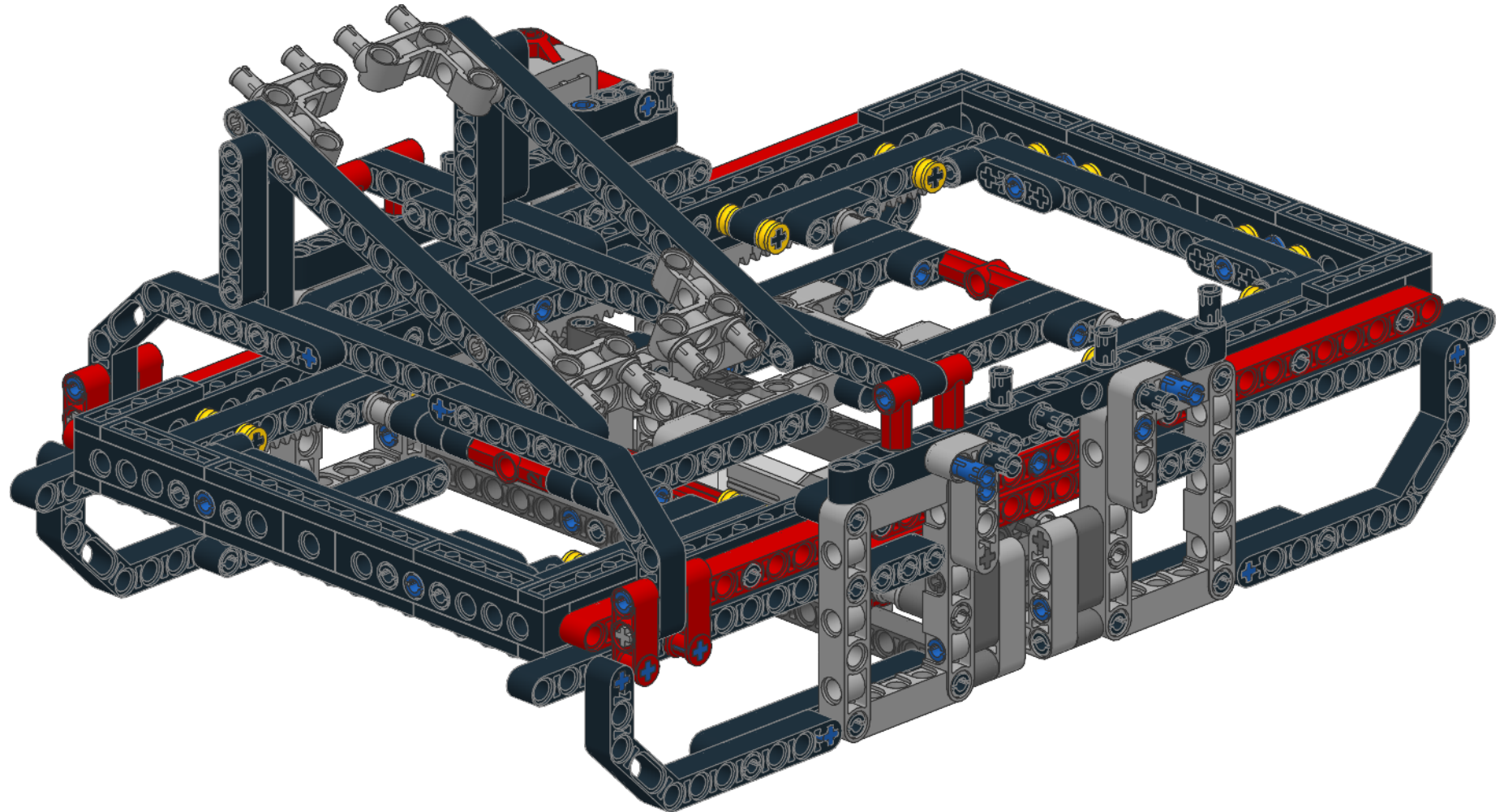
# 15



1x

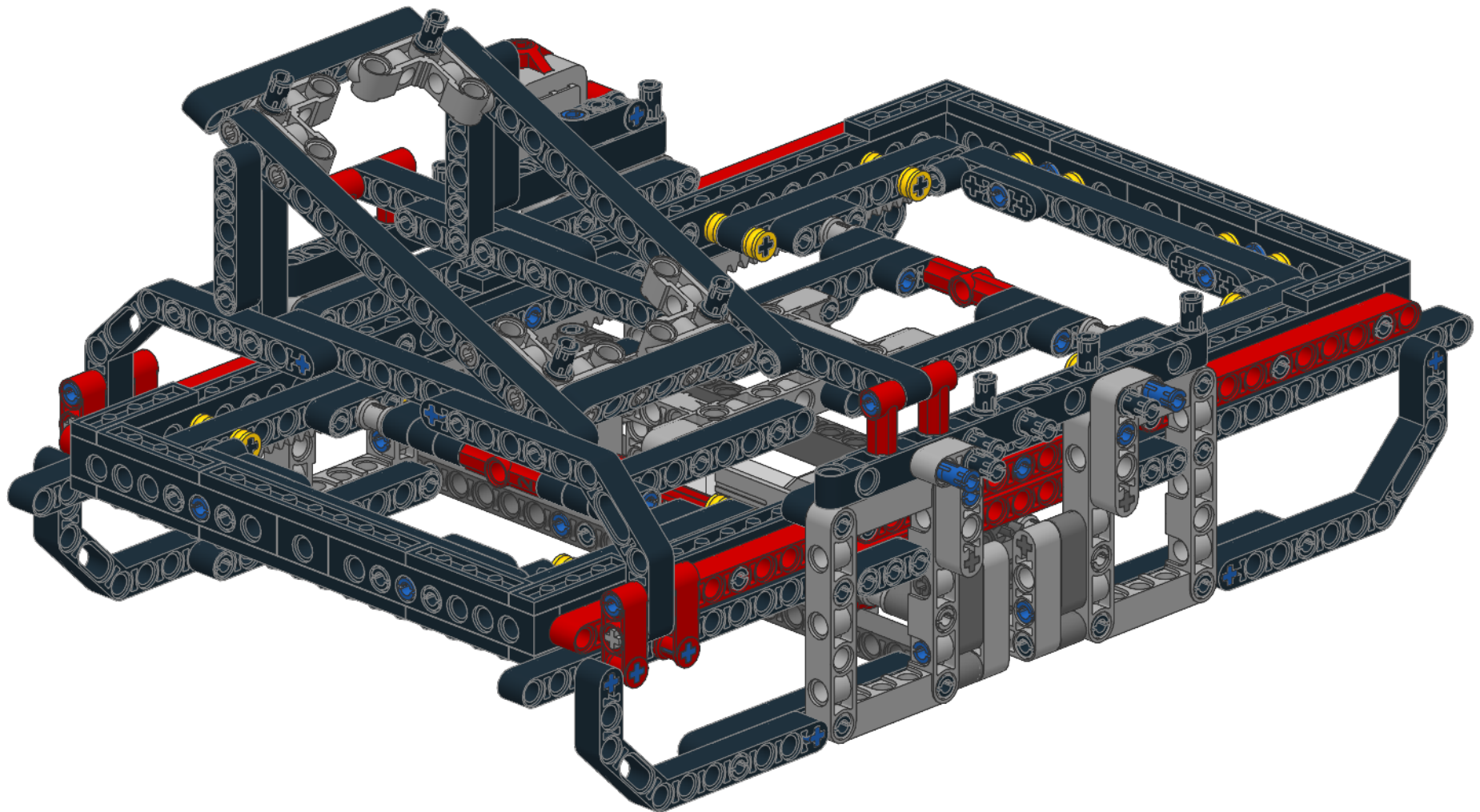
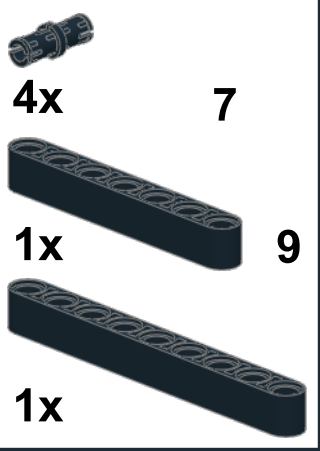


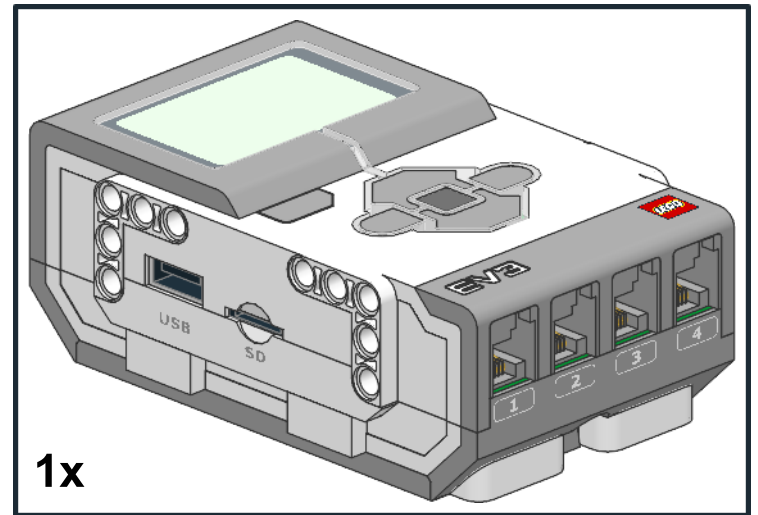
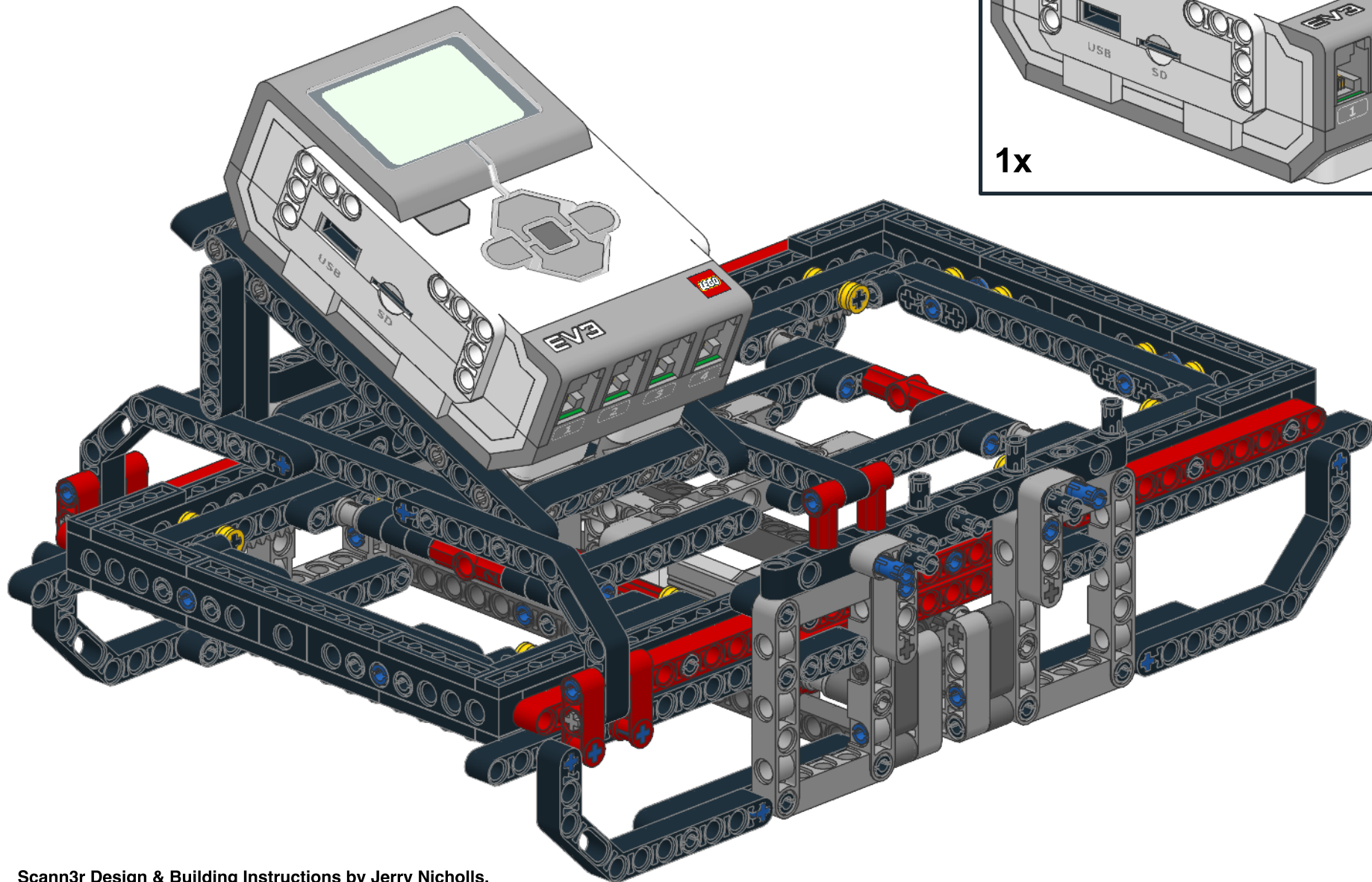
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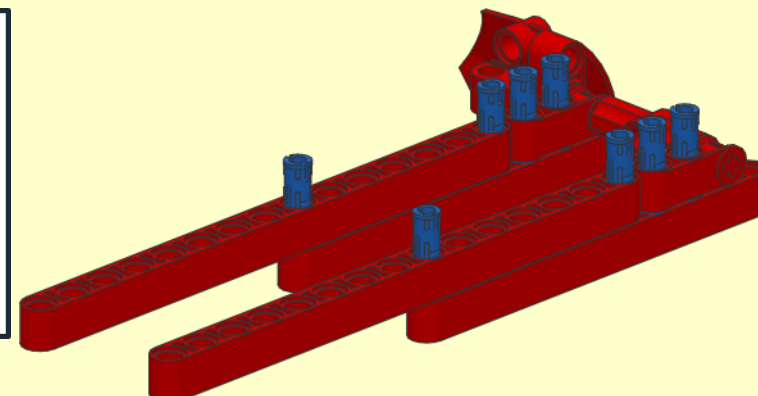
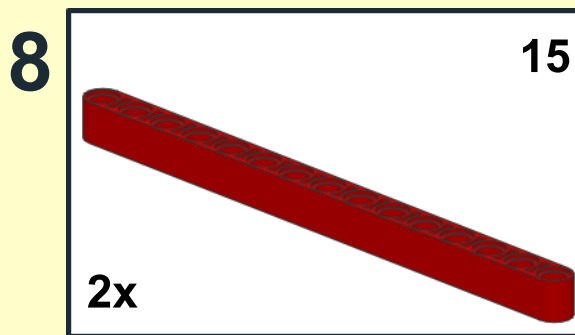
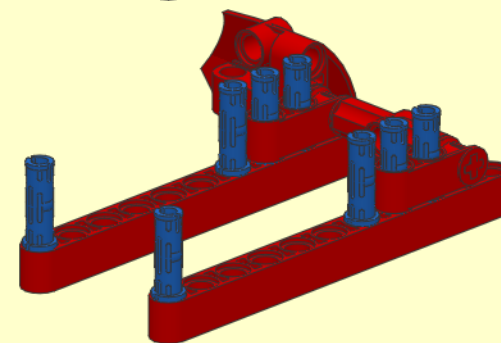
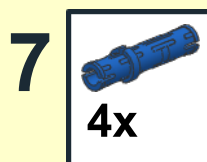
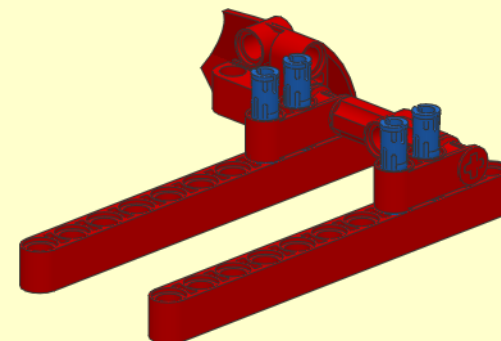
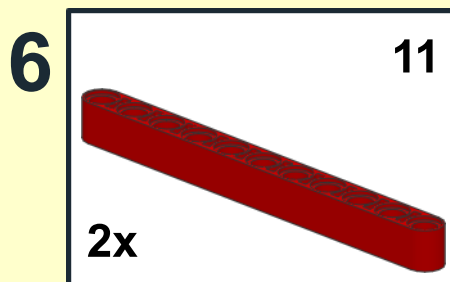
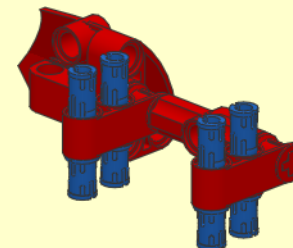
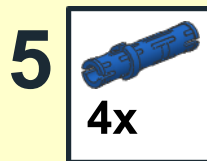
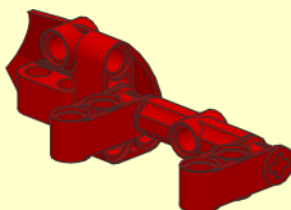
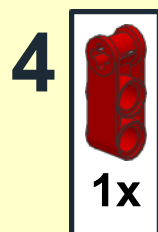
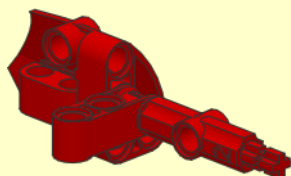
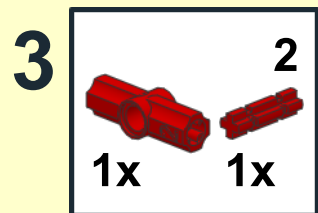
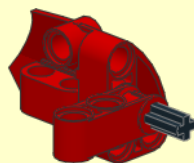
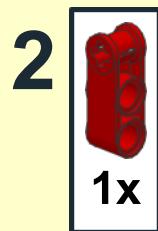
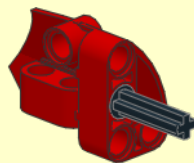
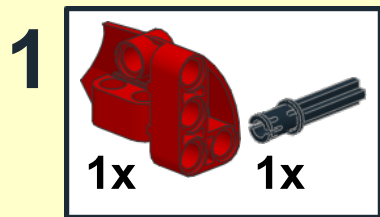




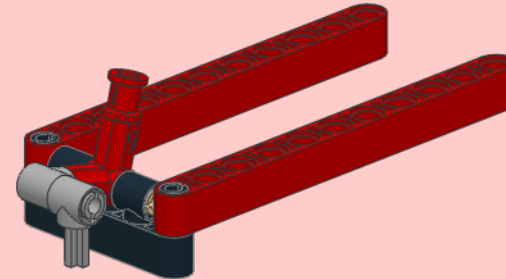
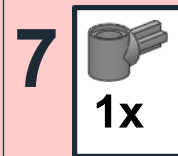
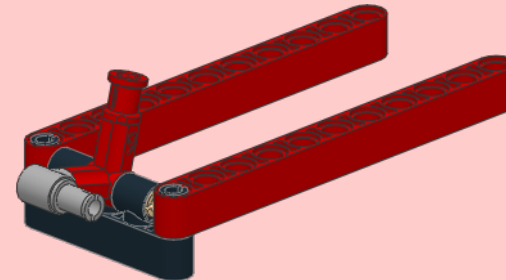
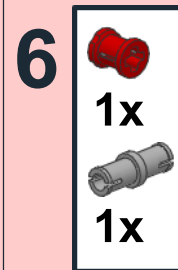
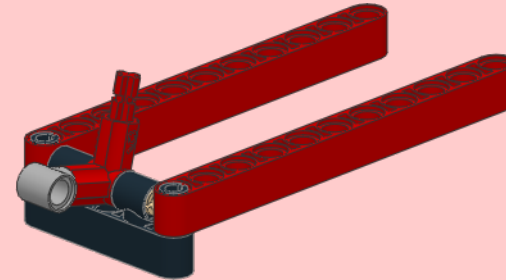
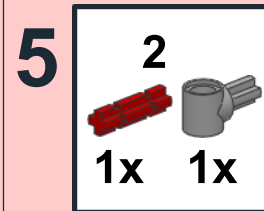
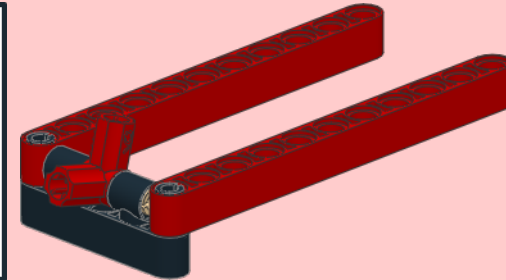
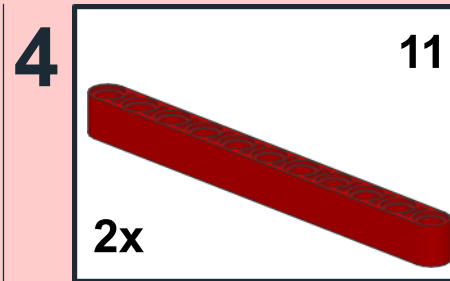
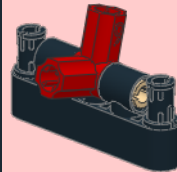
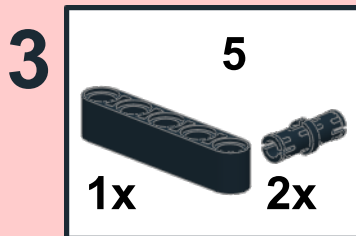
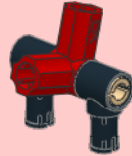
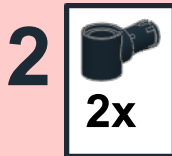
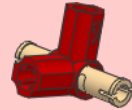
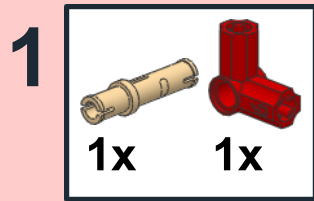
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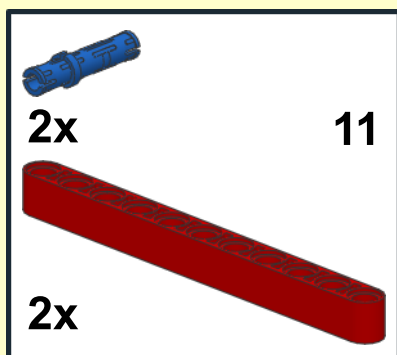




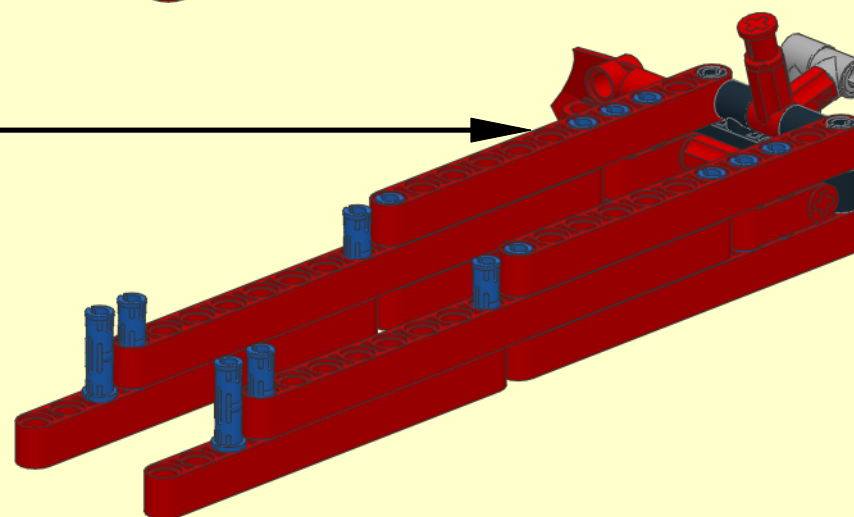
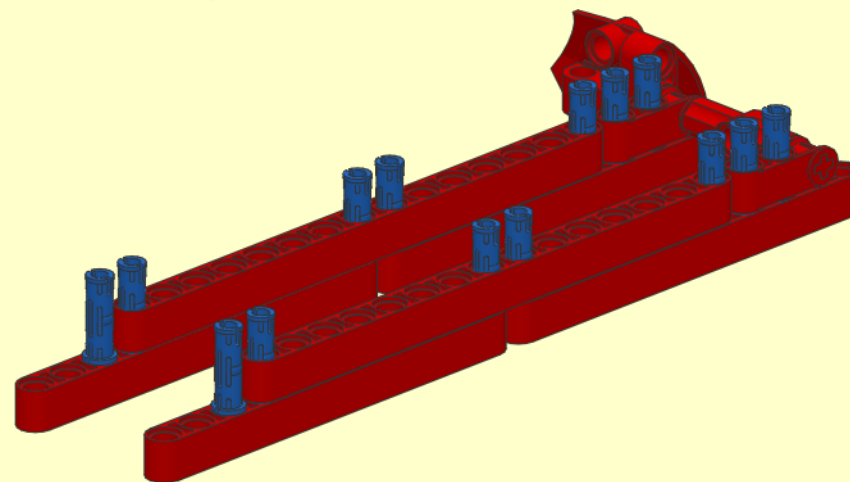
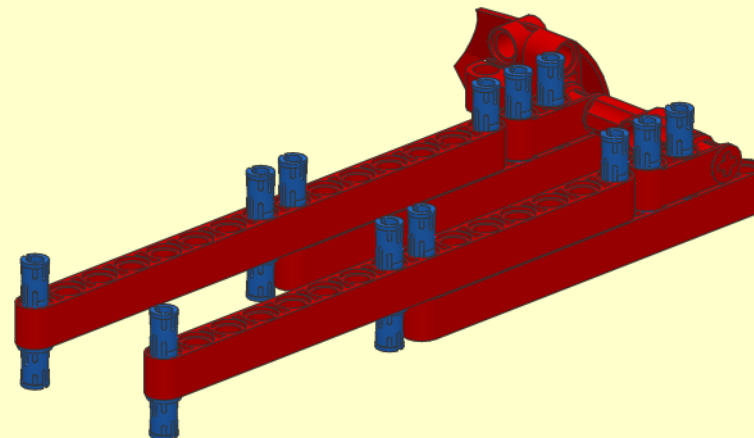
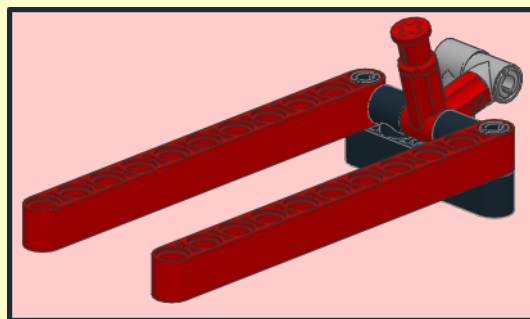
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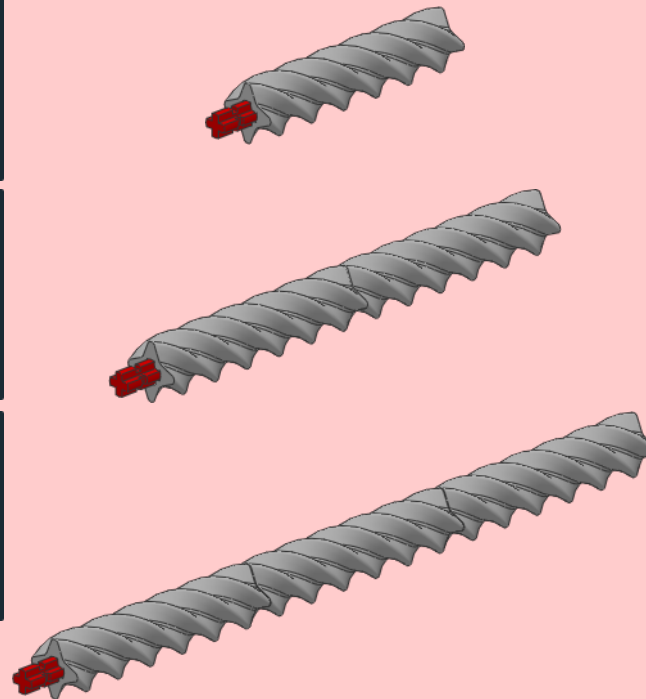
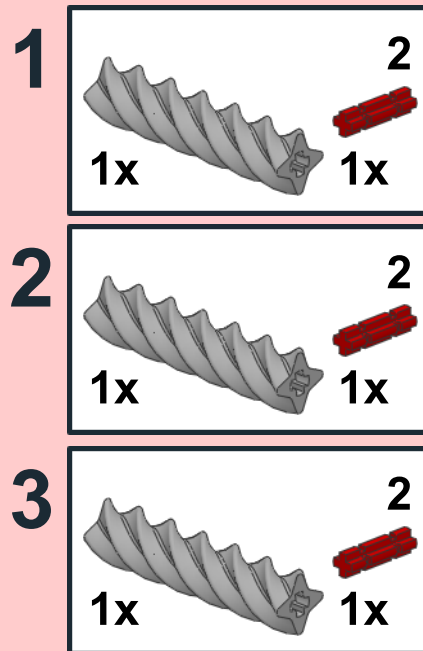
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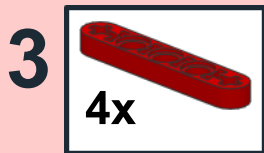
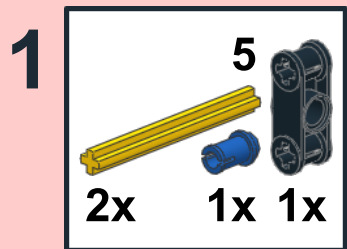


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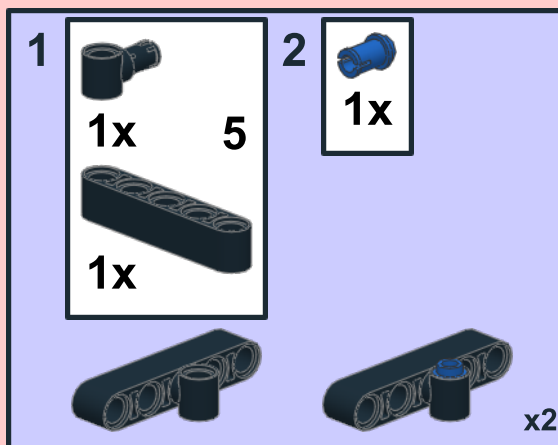
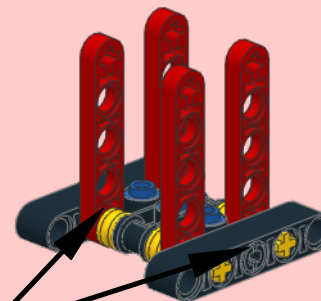
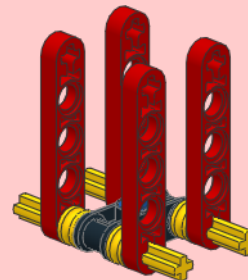
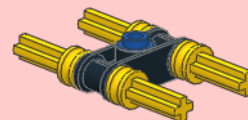
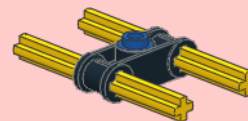


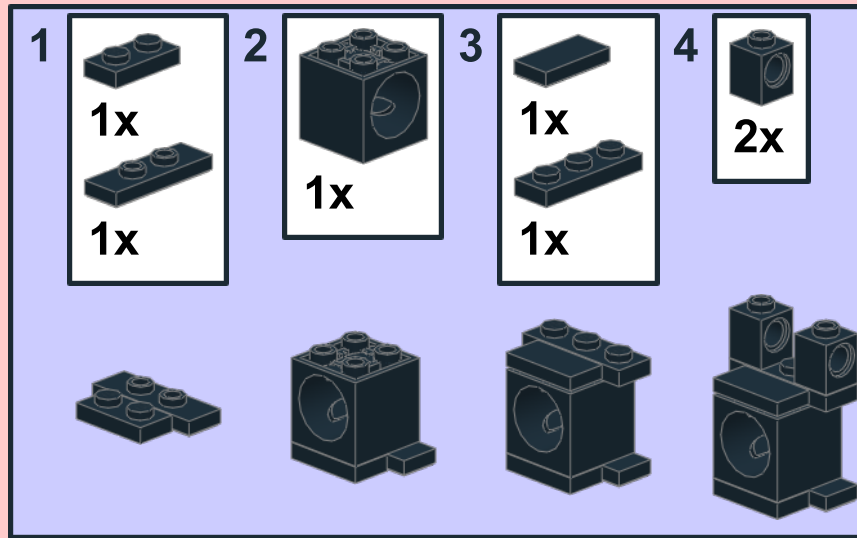




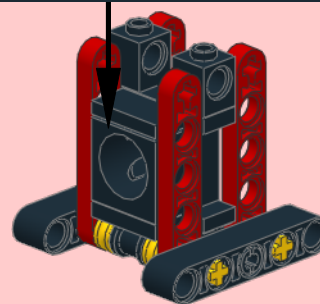


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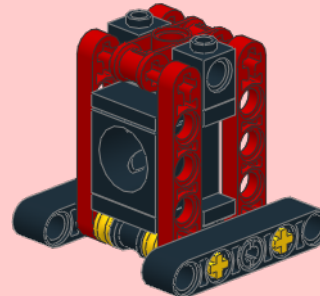
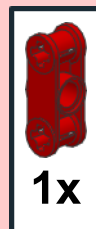


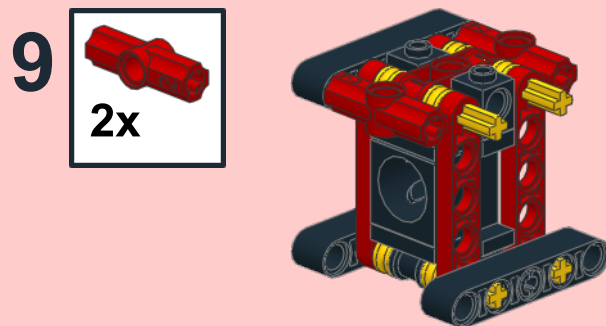
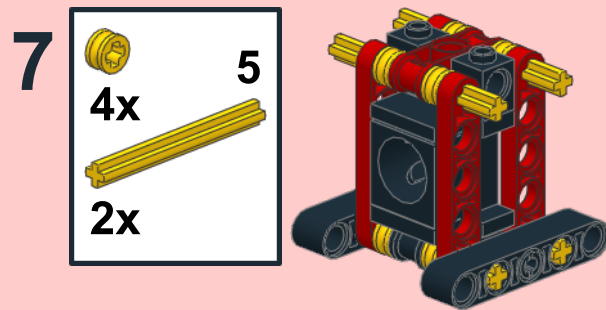


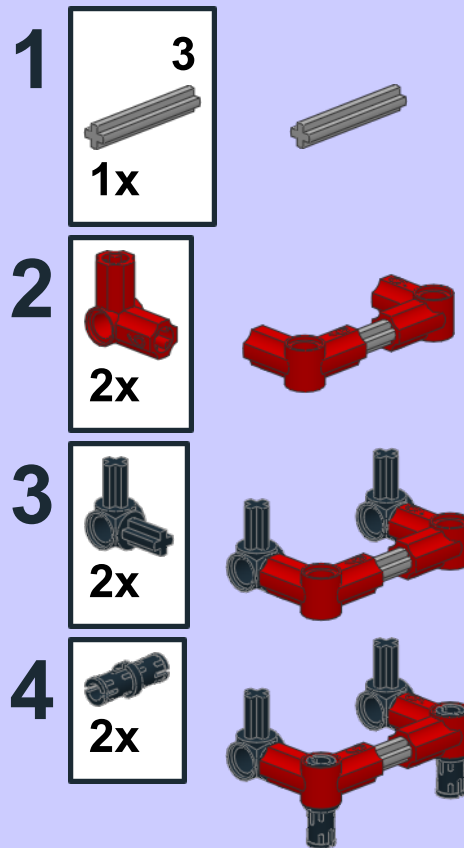
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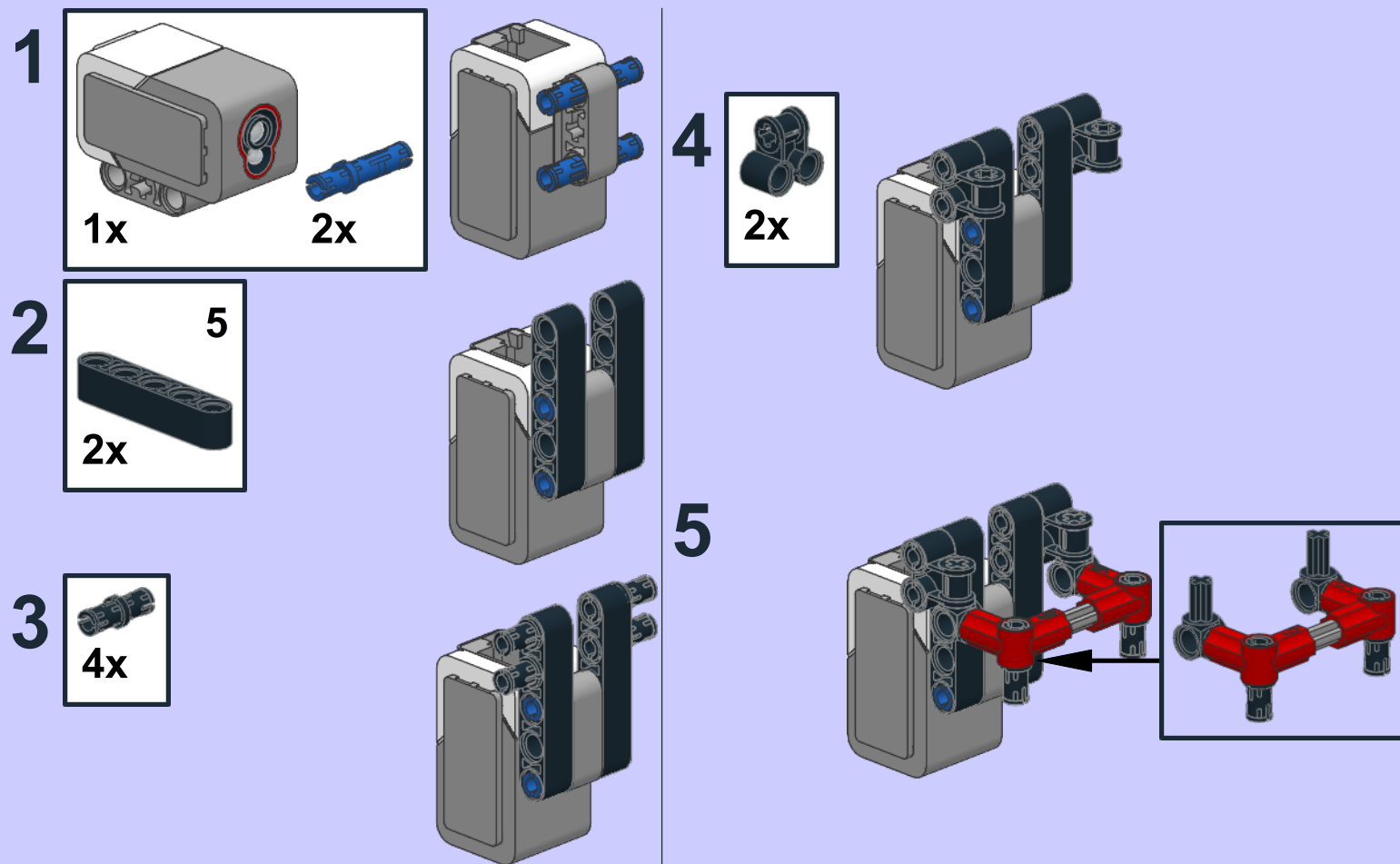
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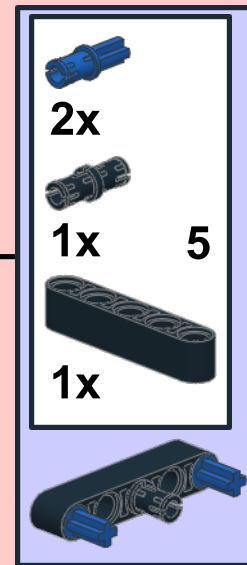
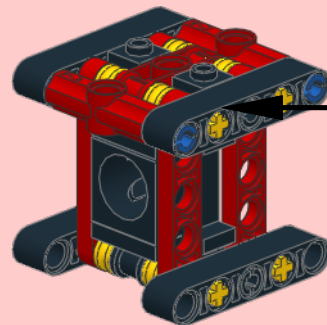




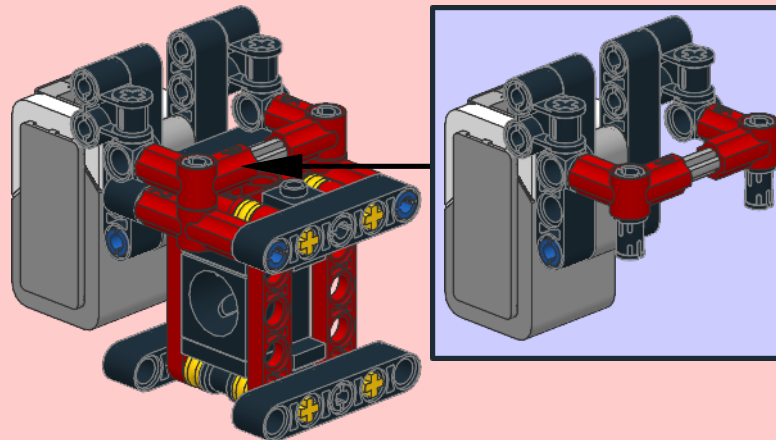




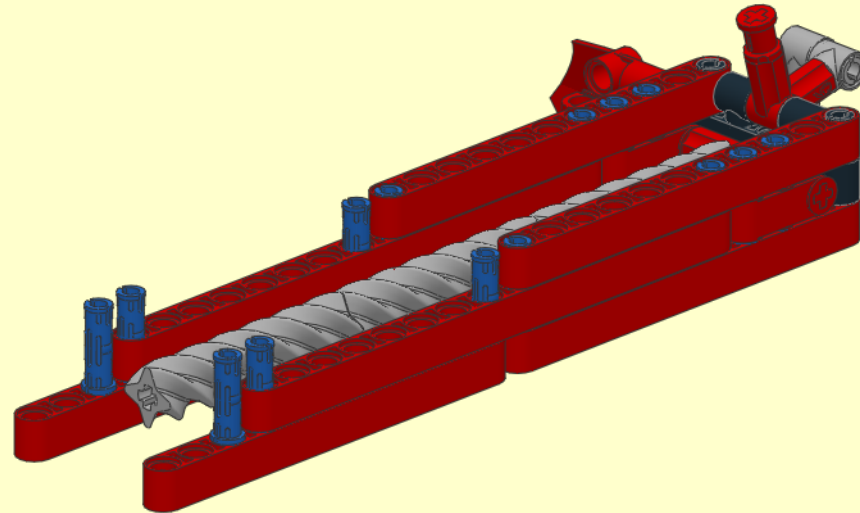
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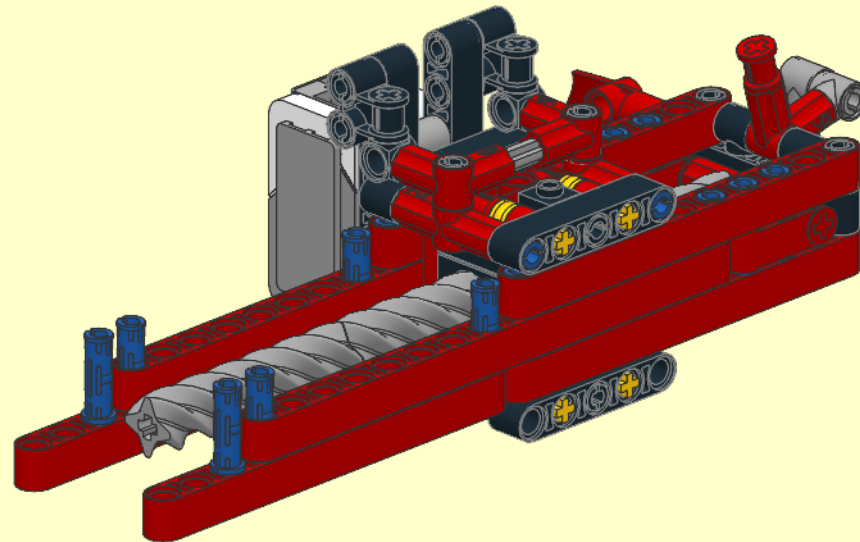
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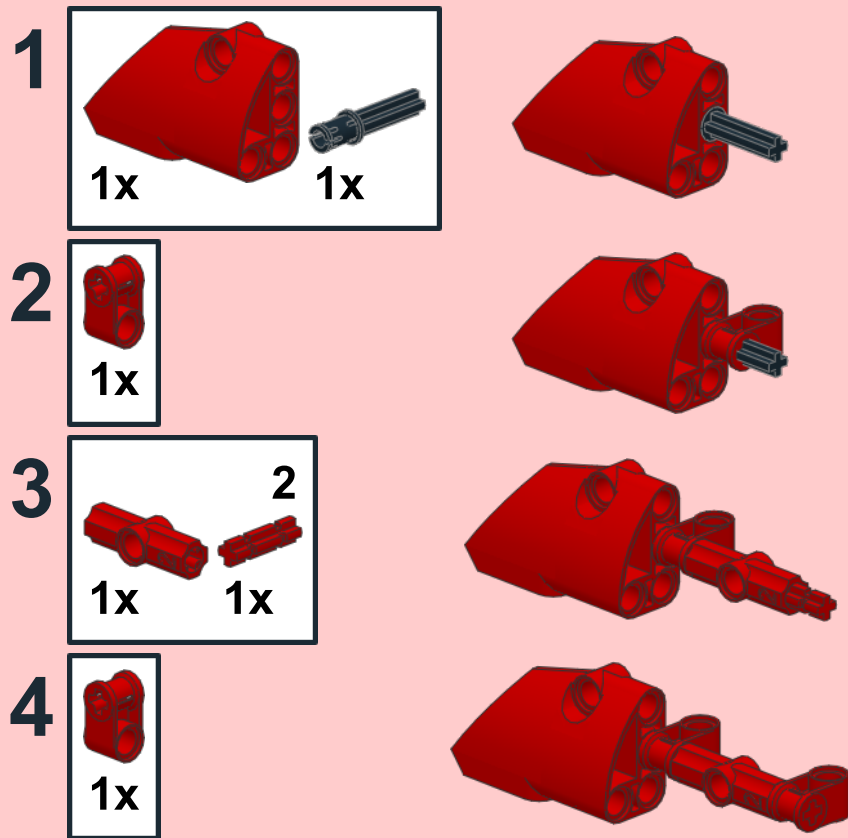


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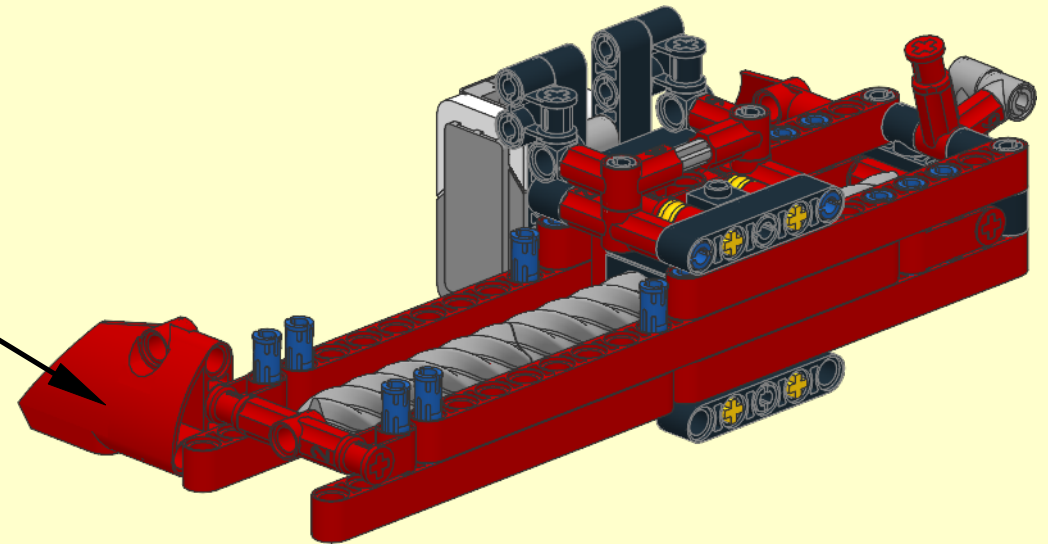
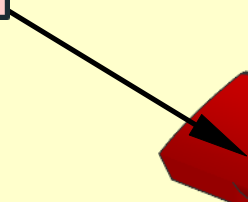
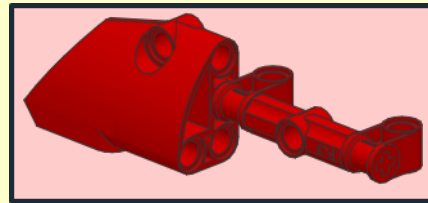


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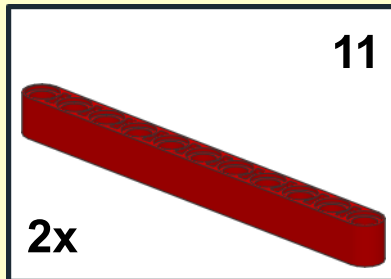




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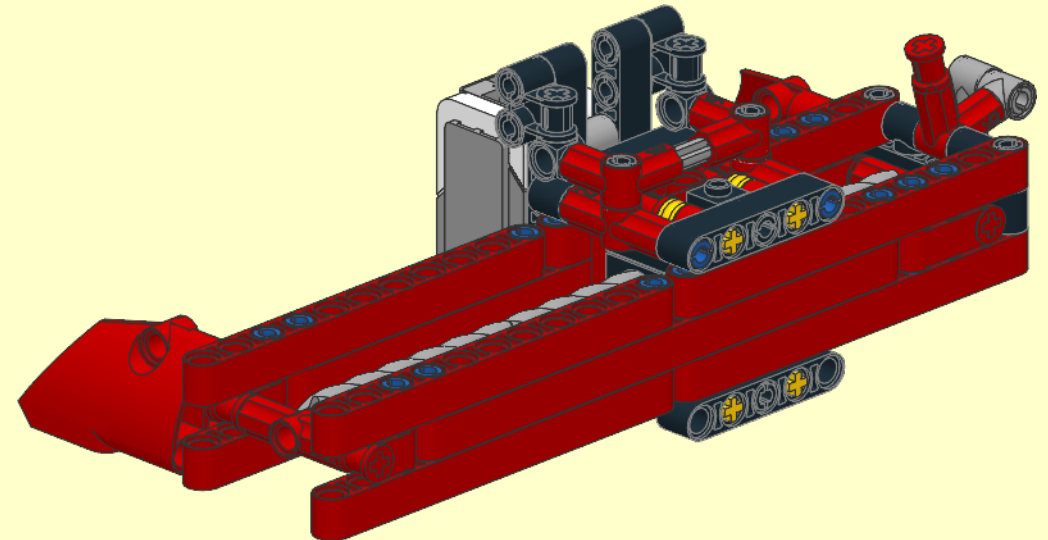


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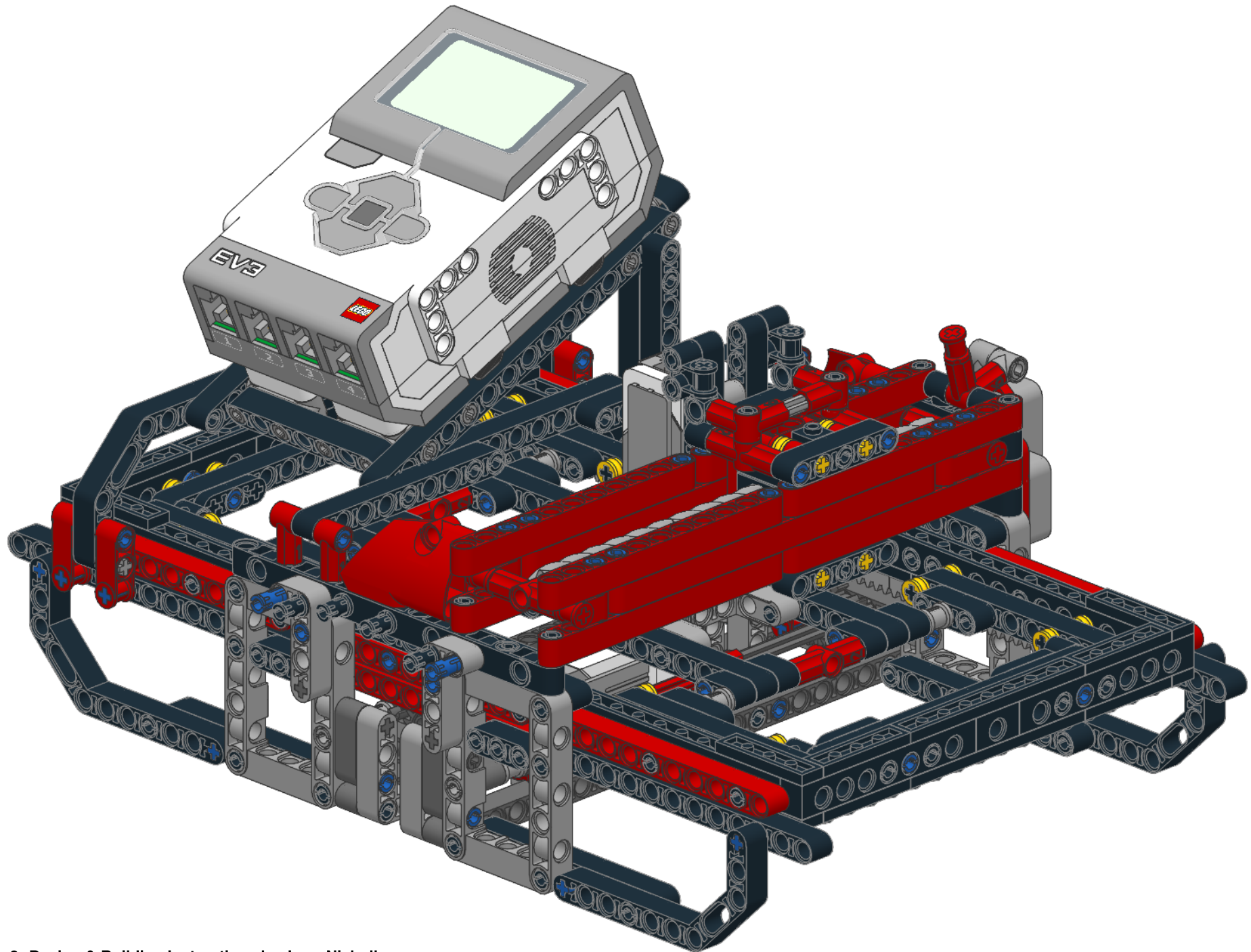


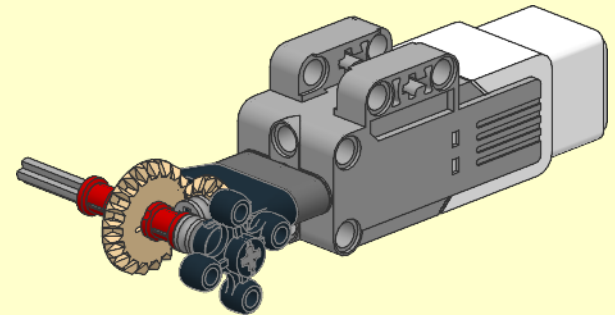
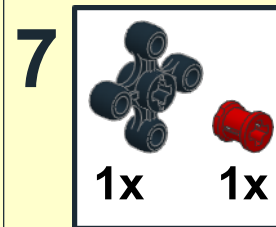
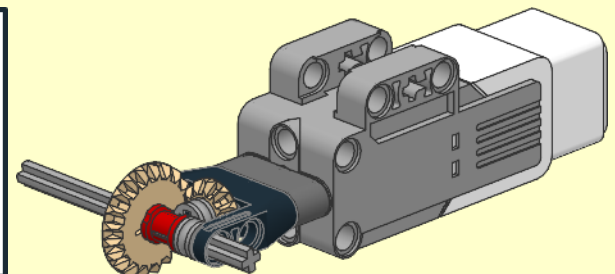
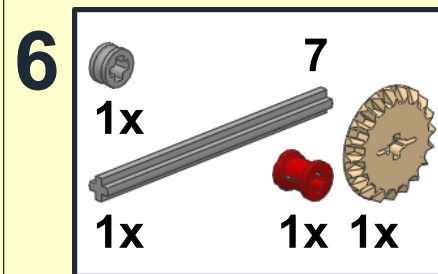
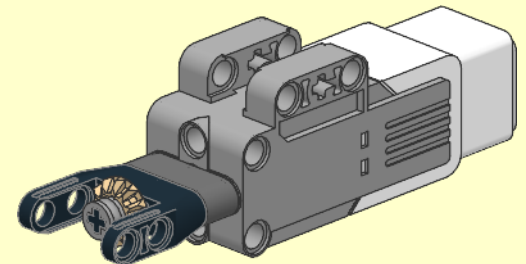
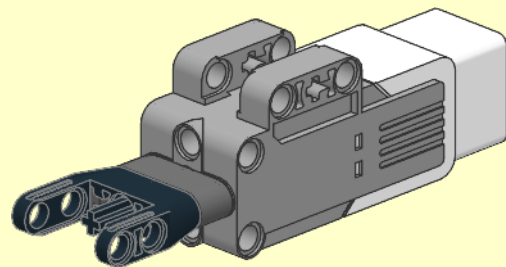
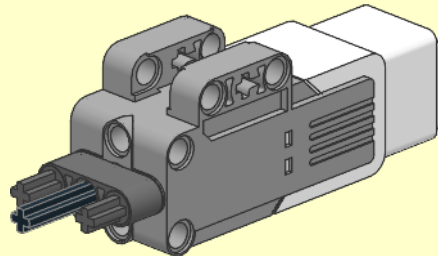
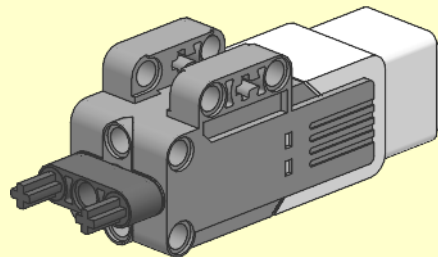
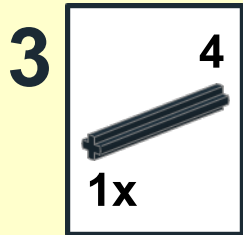
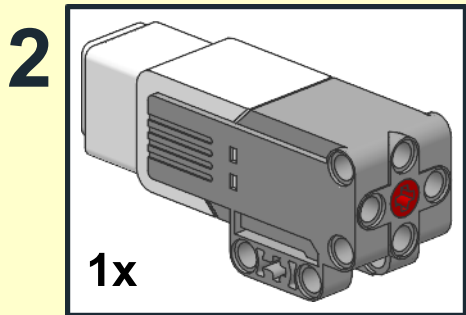
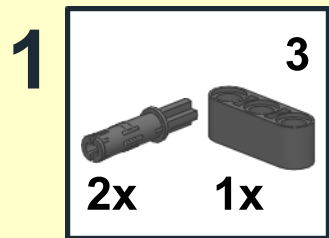
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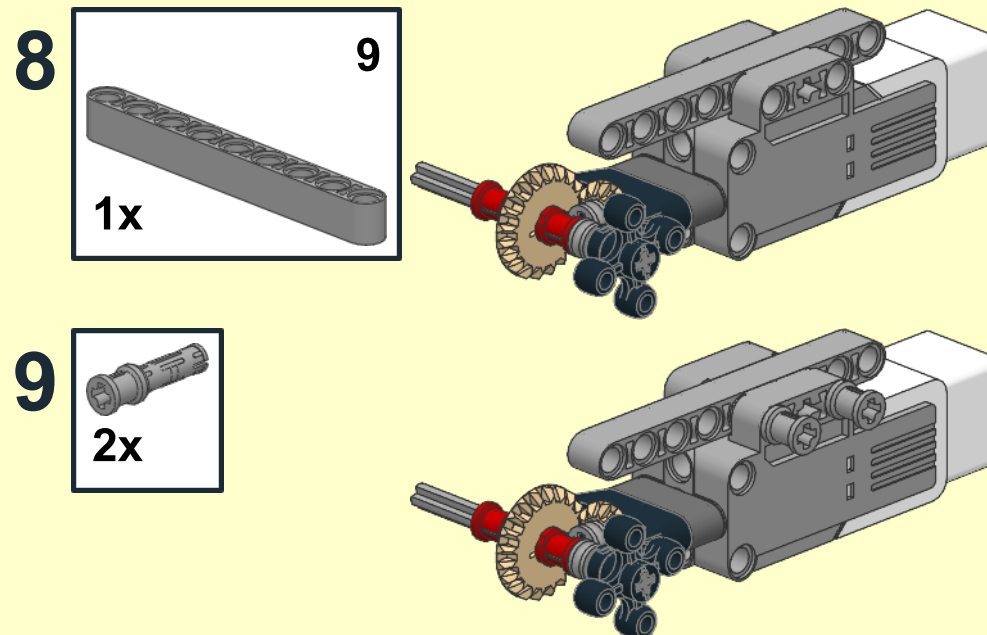
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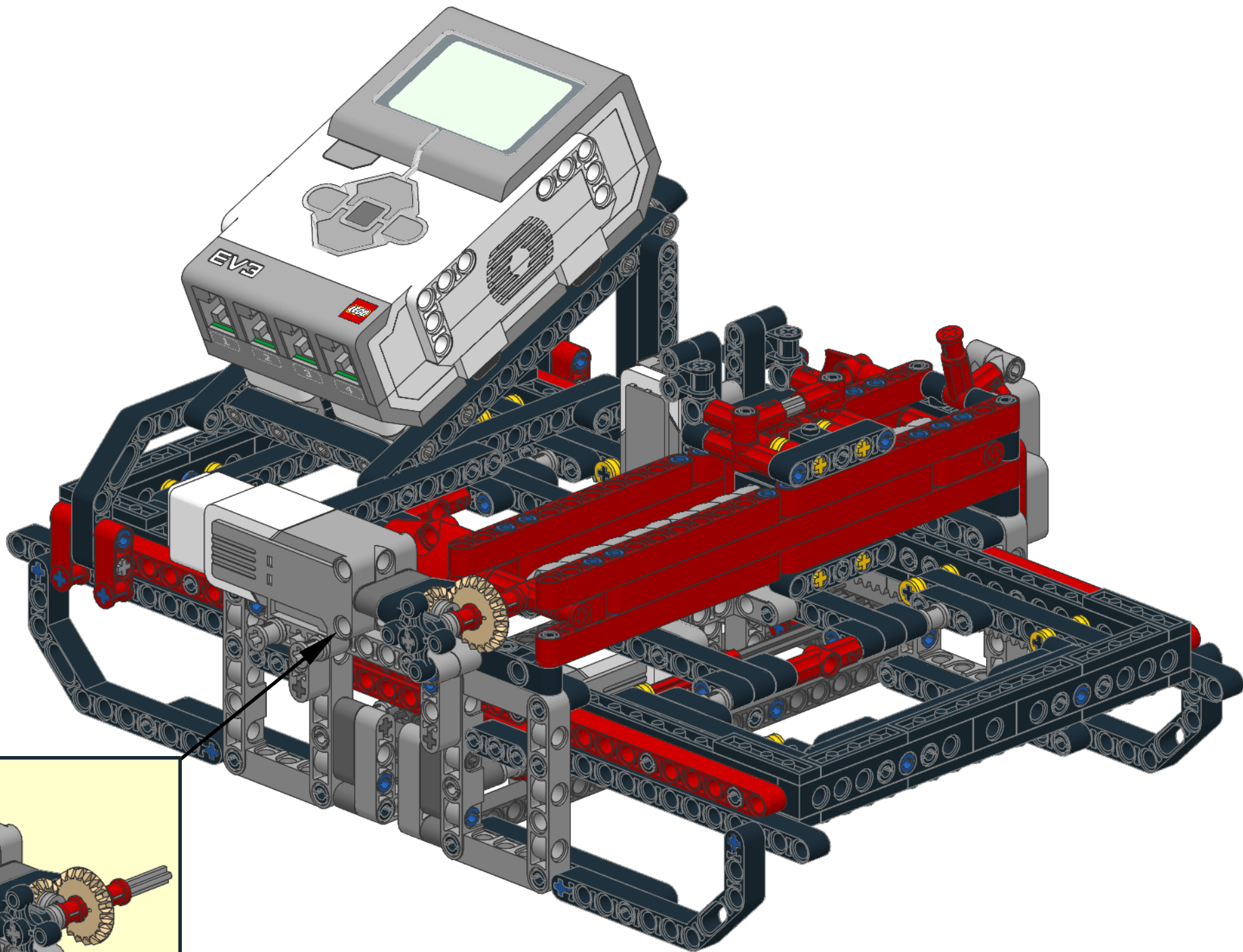








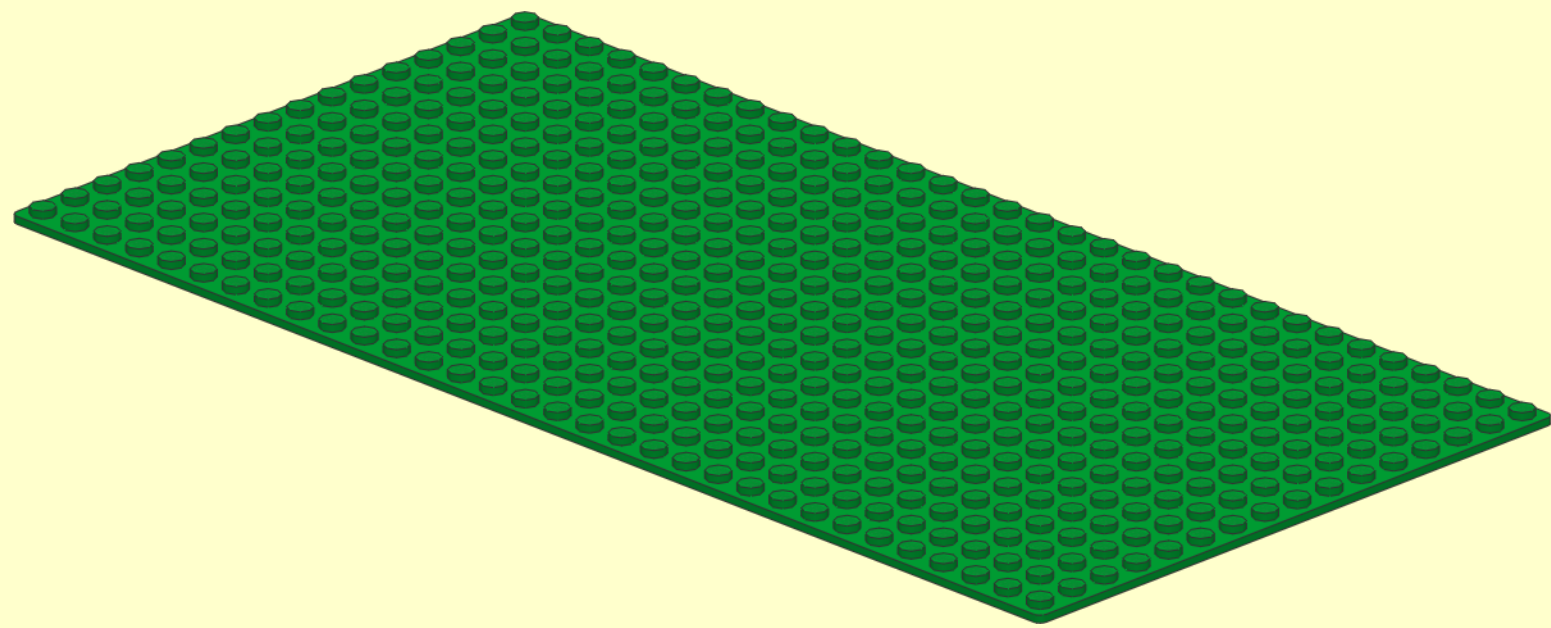
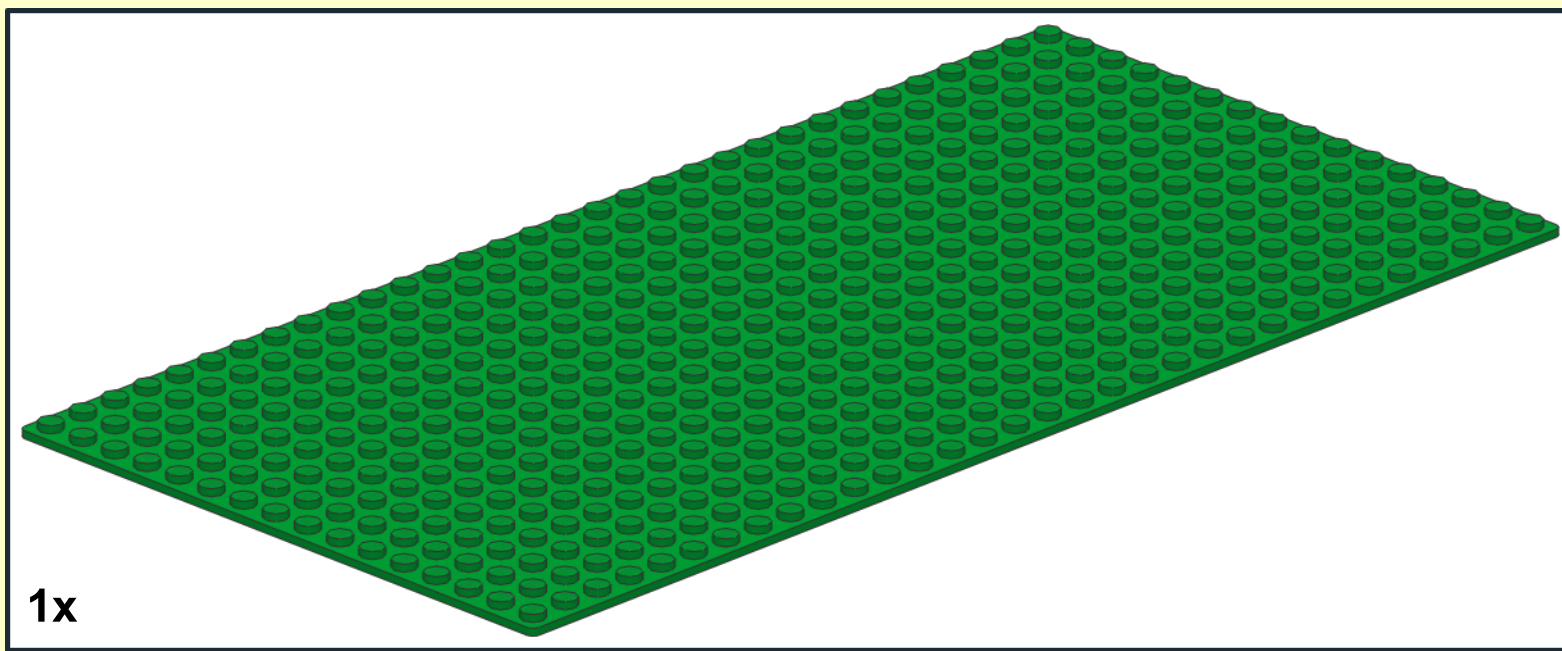




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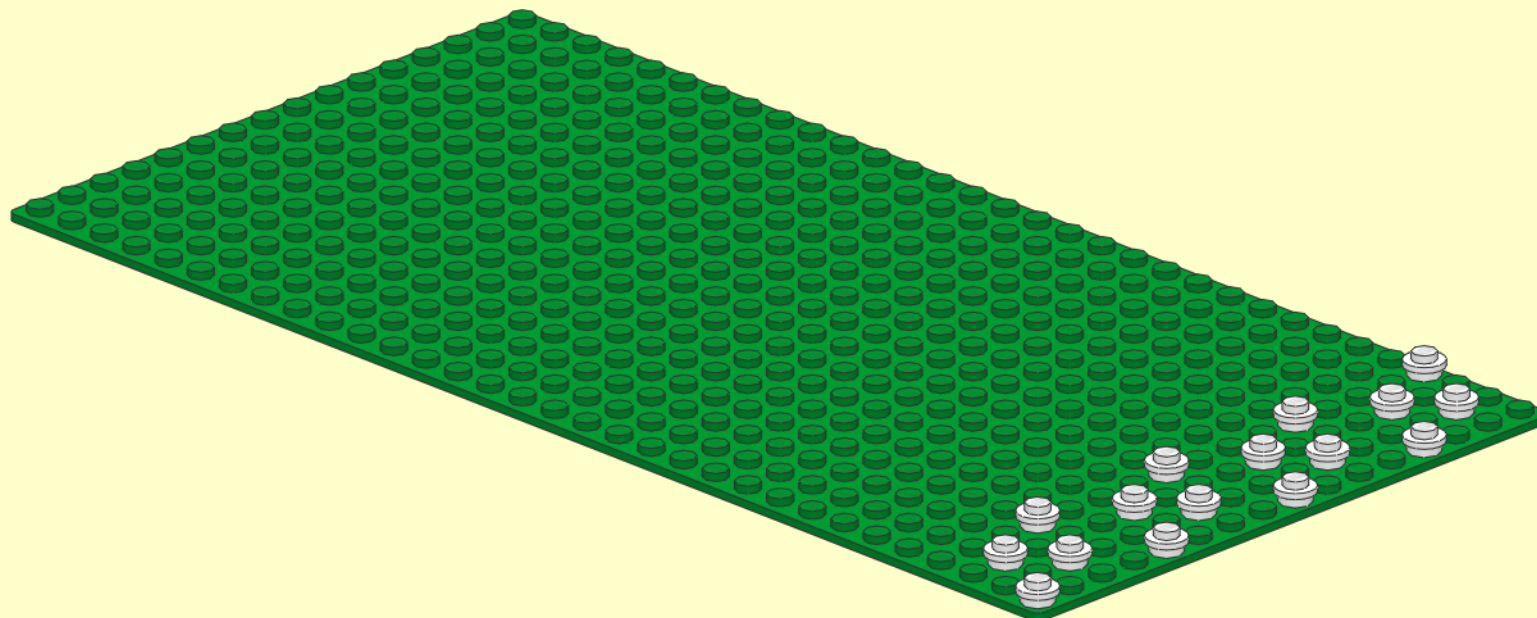
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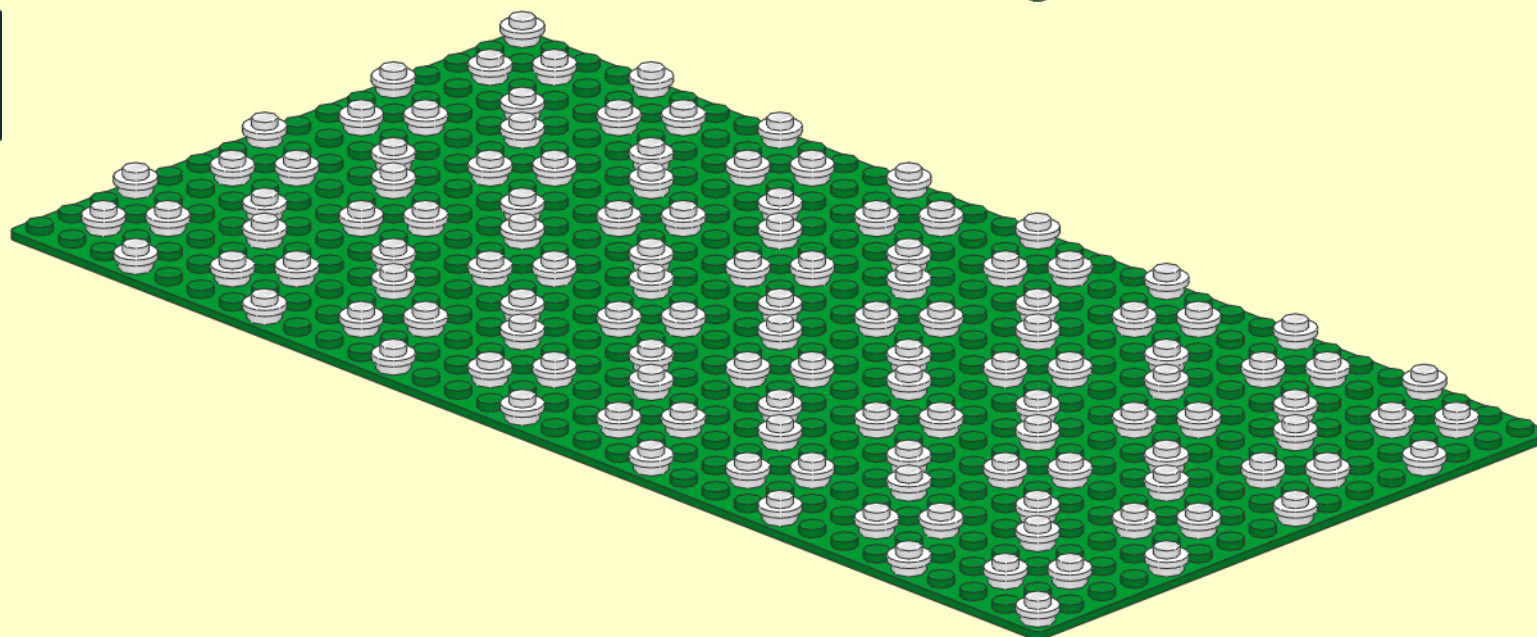


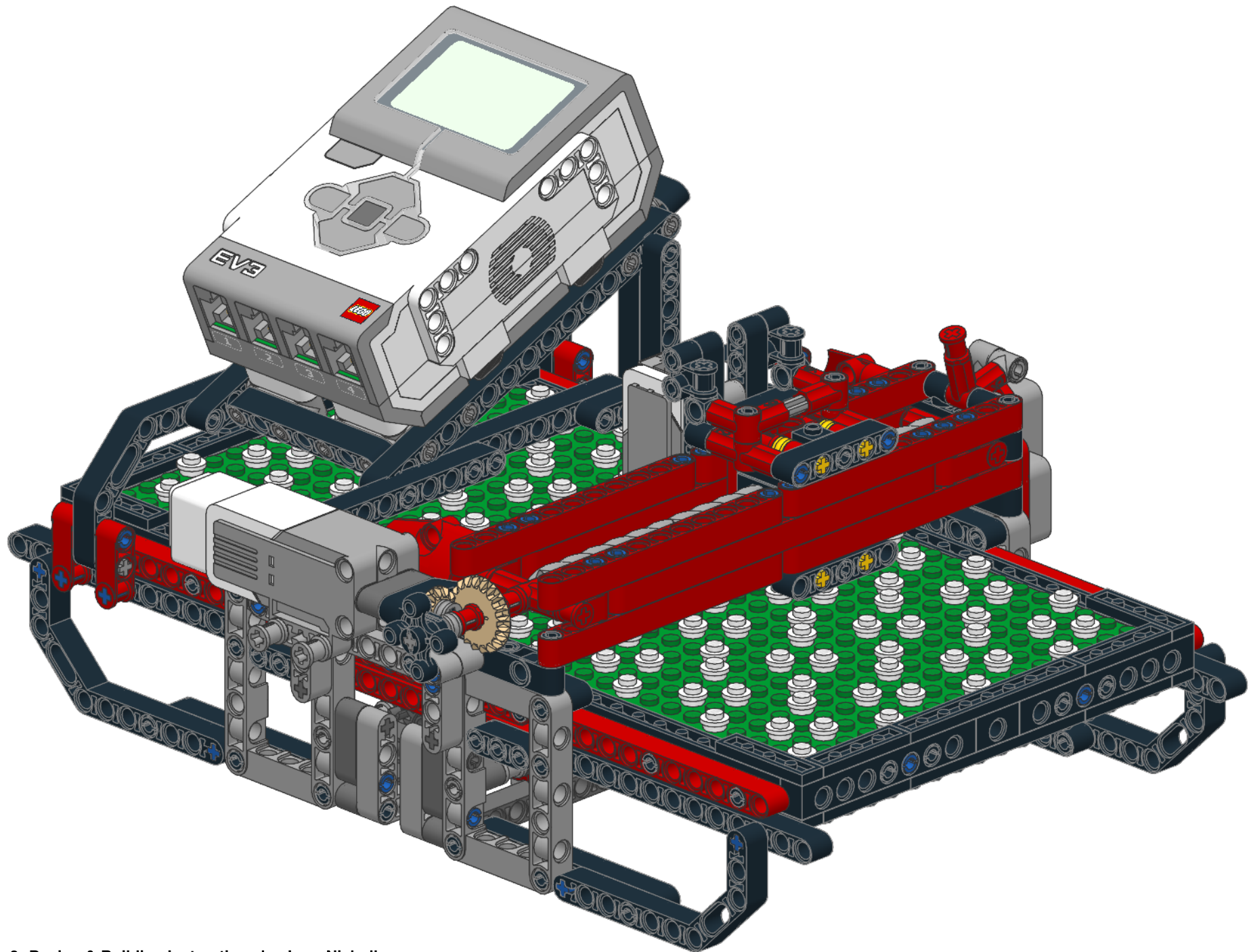


2



3





## **Cabling**

**Port 3: Touch Sensor, 35cm**

**Port 4: Light Sensor, 25cm**

**Port A: Wormdrive Motor, 25cm**

**Port D: Board Motor, 35cm**

