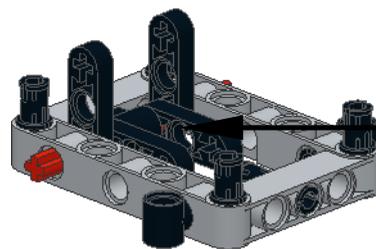
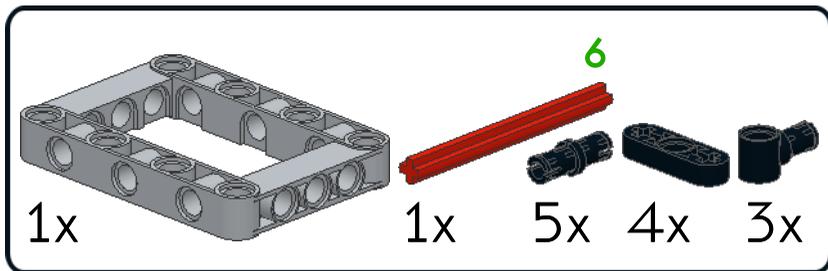


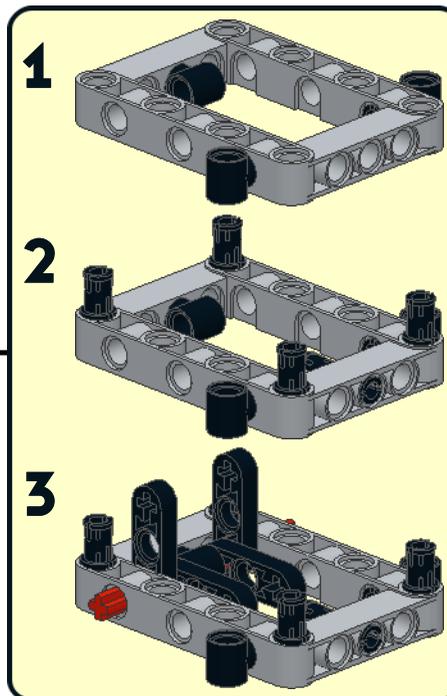
Erik Leppen



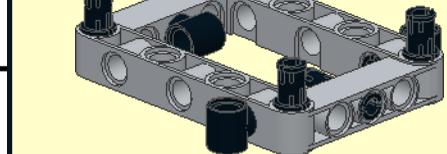
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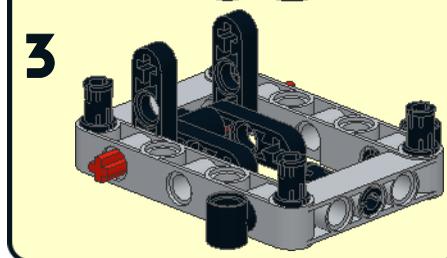
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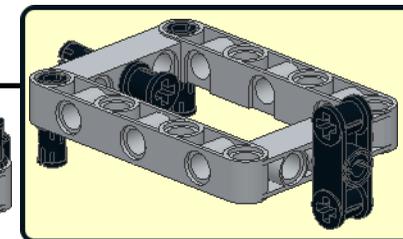
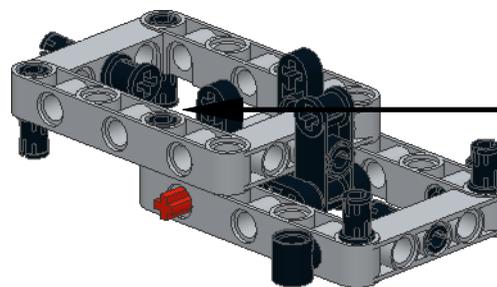
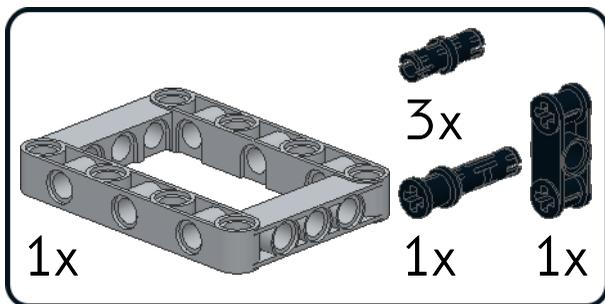
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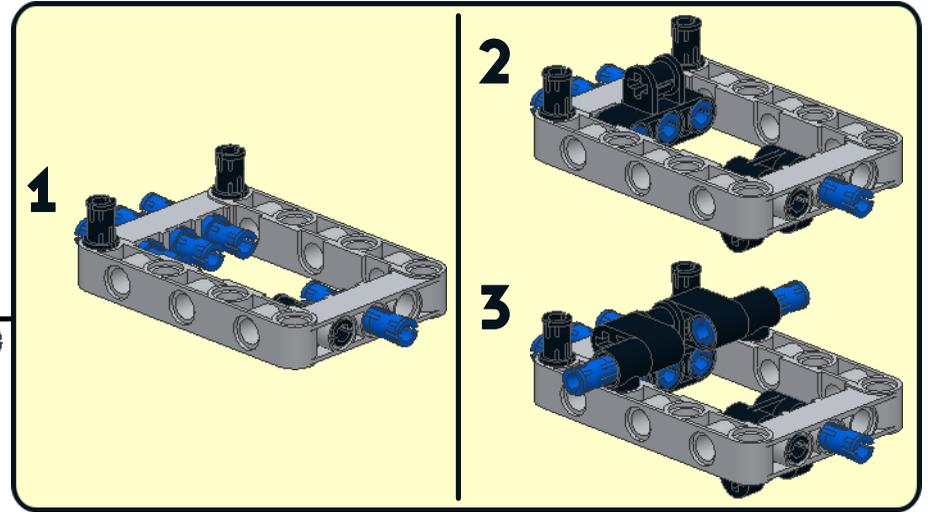
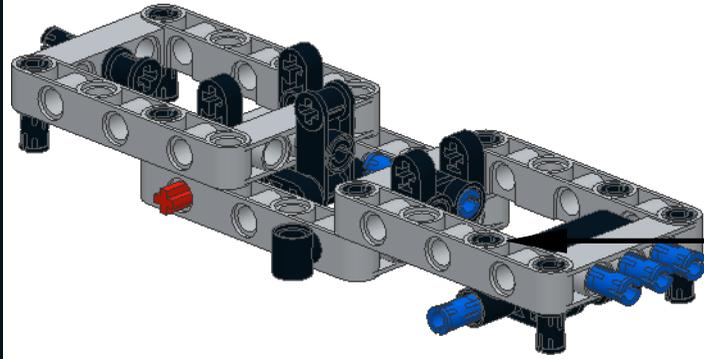
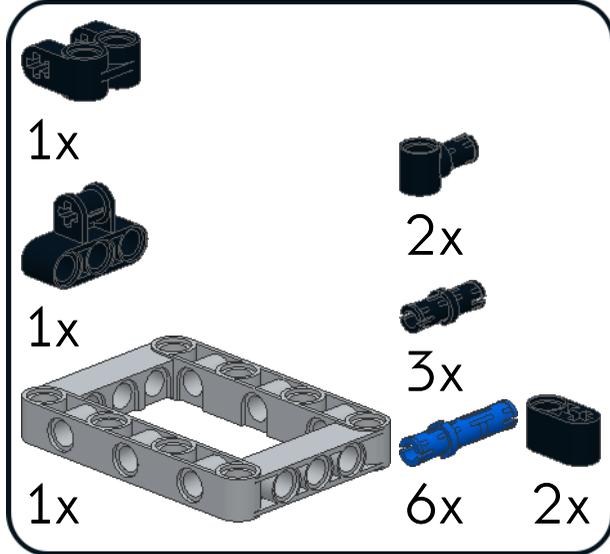
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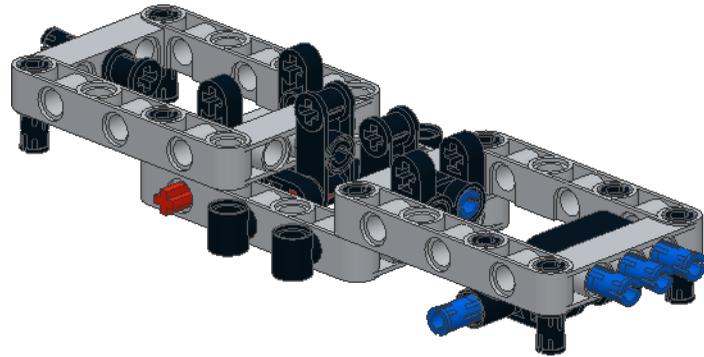
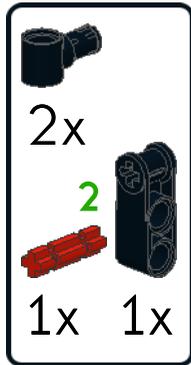
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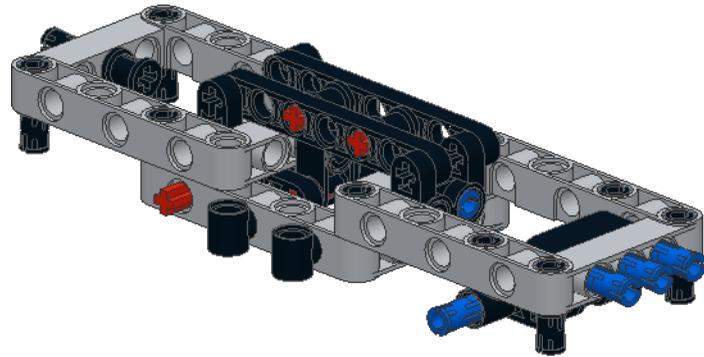
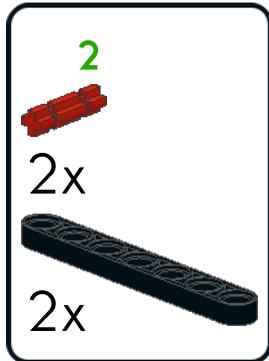
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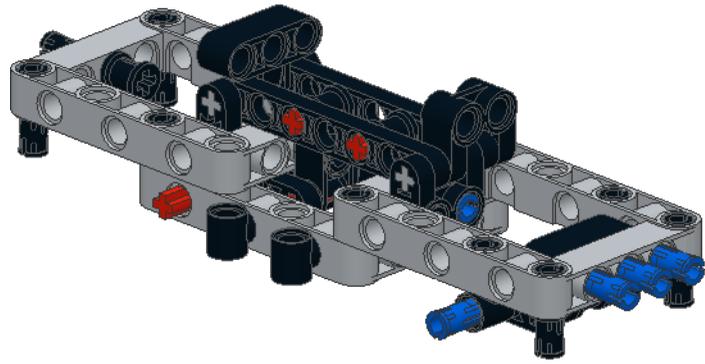
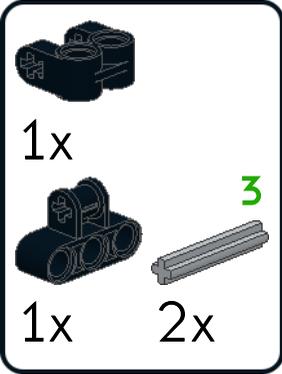
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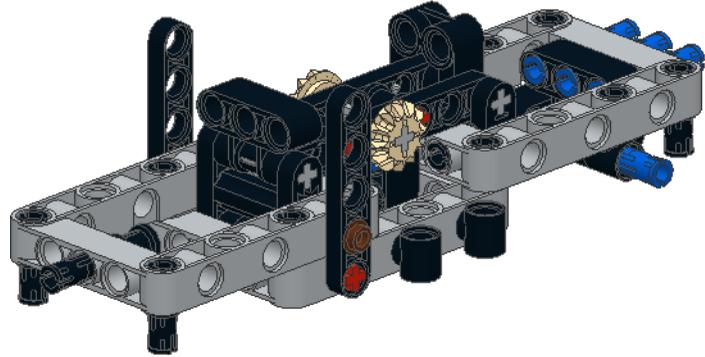
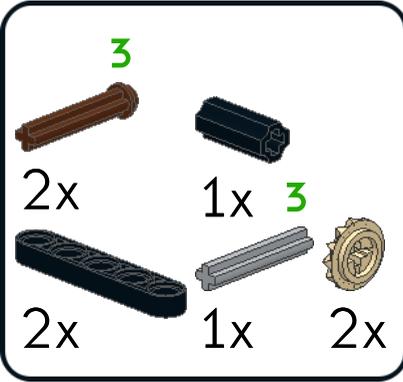
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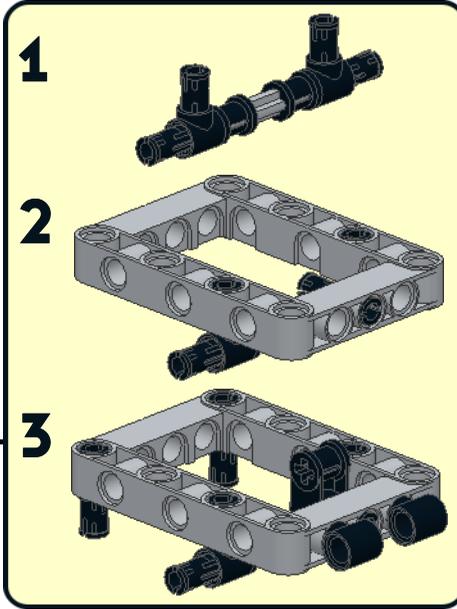
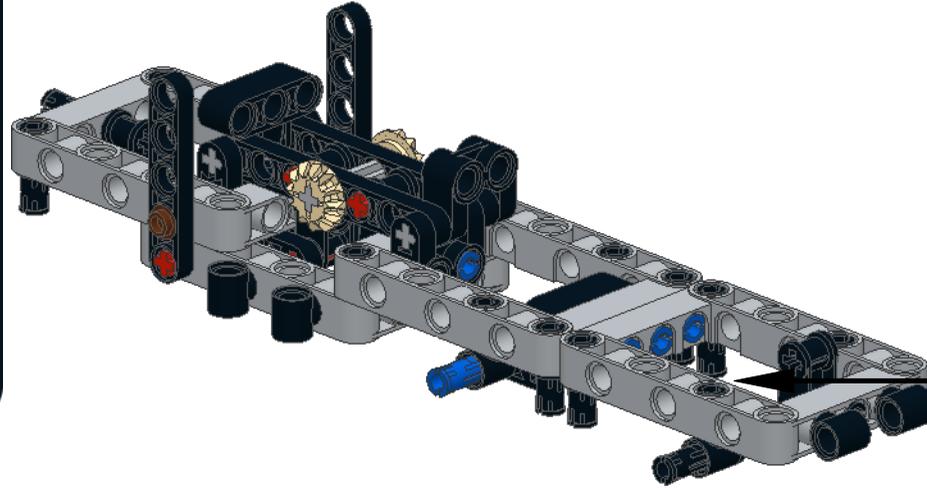
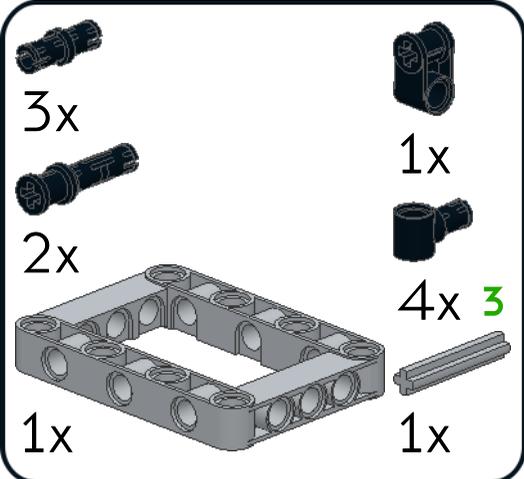
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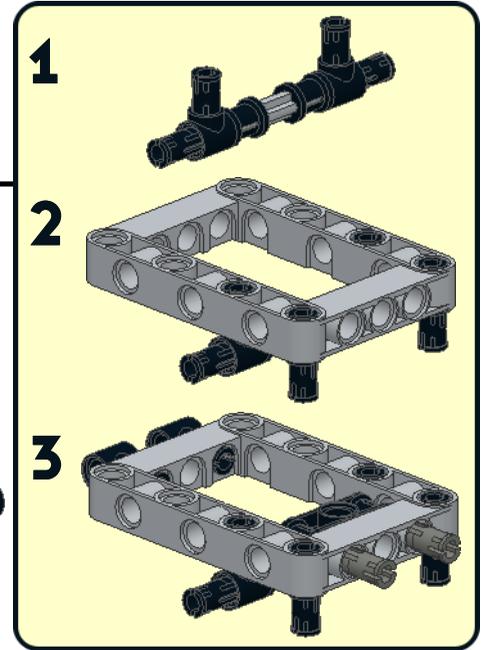
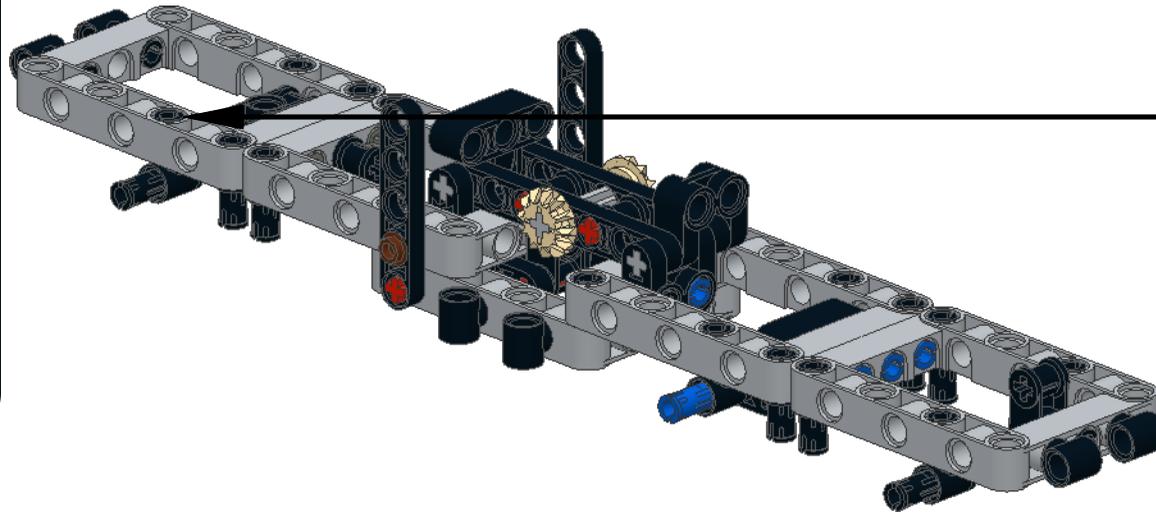
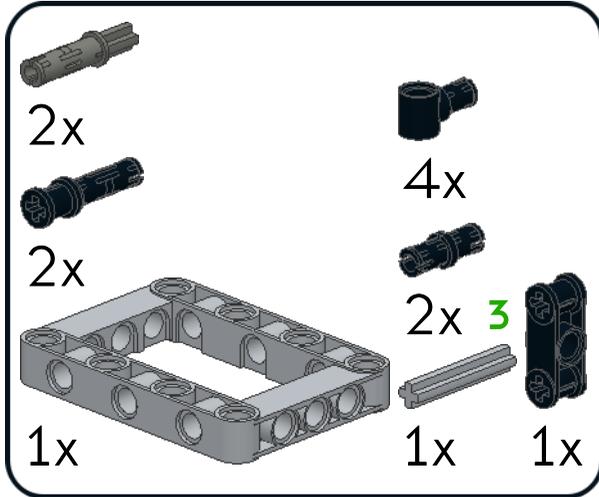
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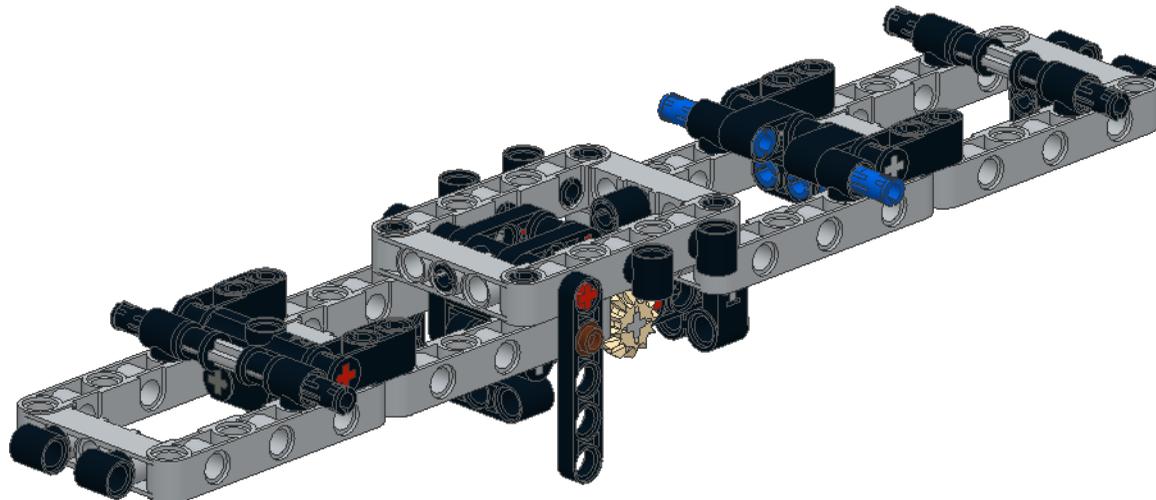
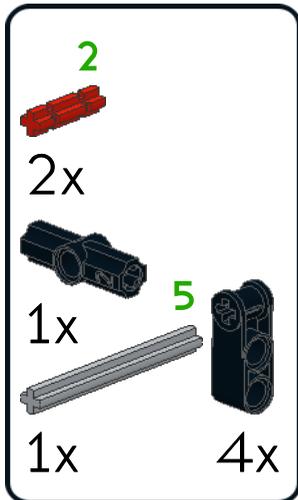
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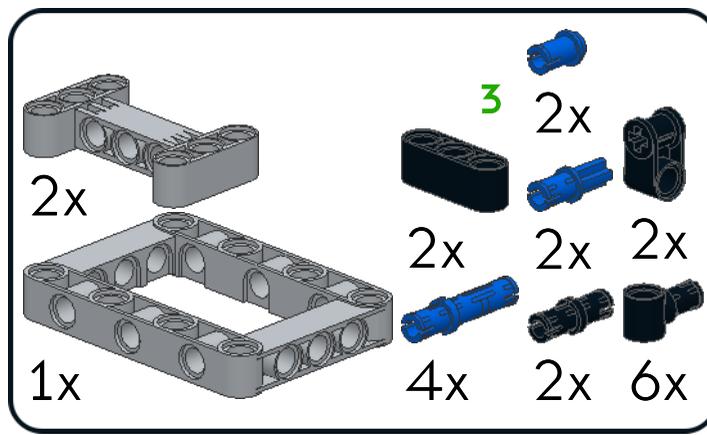
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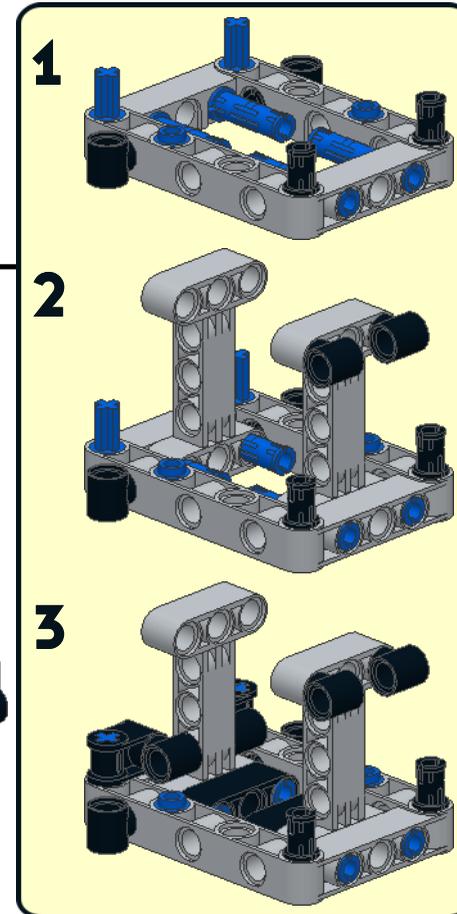
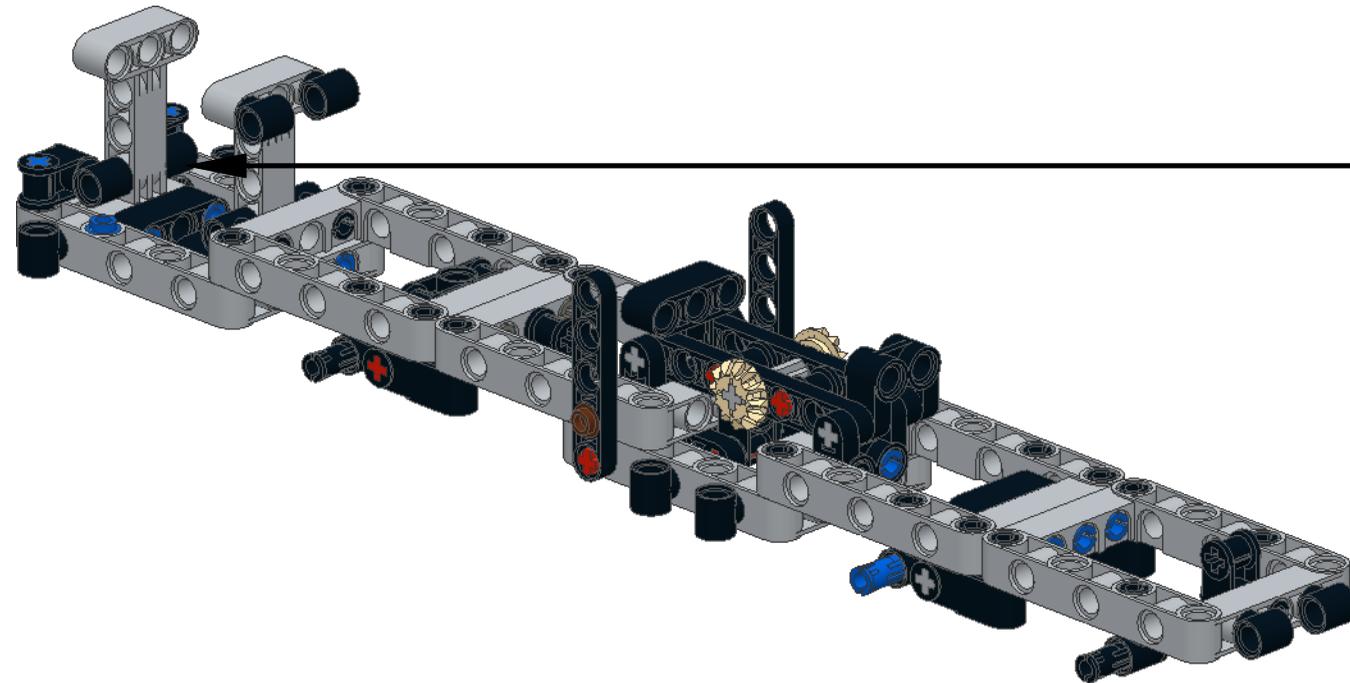


11



Parts list for step 11:

- 2x (grey) 1x4 Technic beam
- 1x (grey) 1x6 Technic beam
- 3 (black) 1x3 Technic beam
- 2x (blue) 1x2 Technic pin
- 2x (black) 1x2 Technic axle
- 2x (blue) 1x2 Technic axle
- 2x (black) 1x2 Technic axle
- 4x (blue) 1x2 Technic axle
- 2x (black) 1x2 Technic axle
- 2x (black) 1x2 Technic axle
- 6x (black) 1x2 Technic axle



Sub-assembly diagrams for step 11, showing three stages of assembly:

1. Initial assembly of the sub-structure.
2. Addition of a blue pin and a black axle.
3. Final assembly of the sub-structure.

12

2x

1x

3

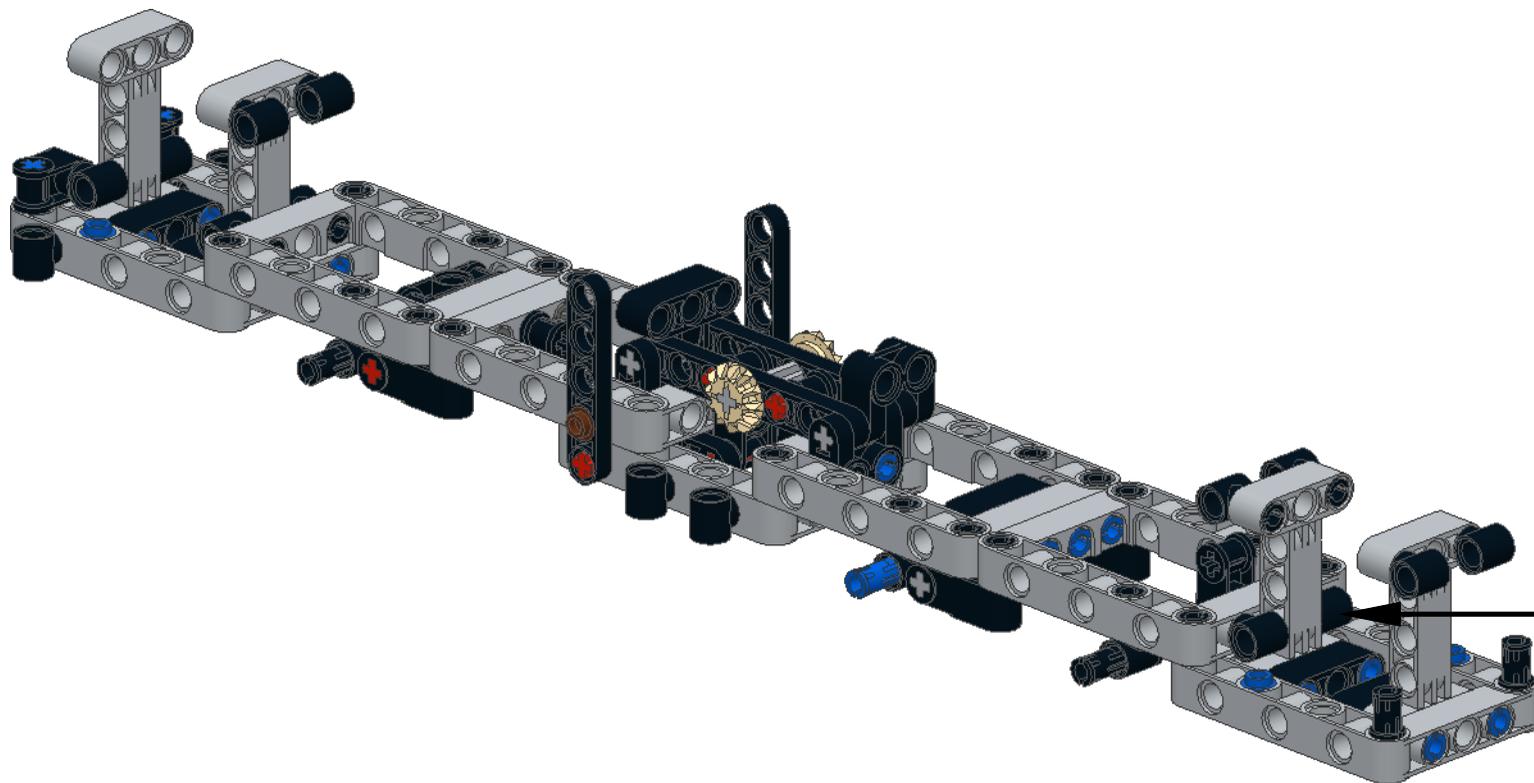
2x

4x

4x

4x

2x

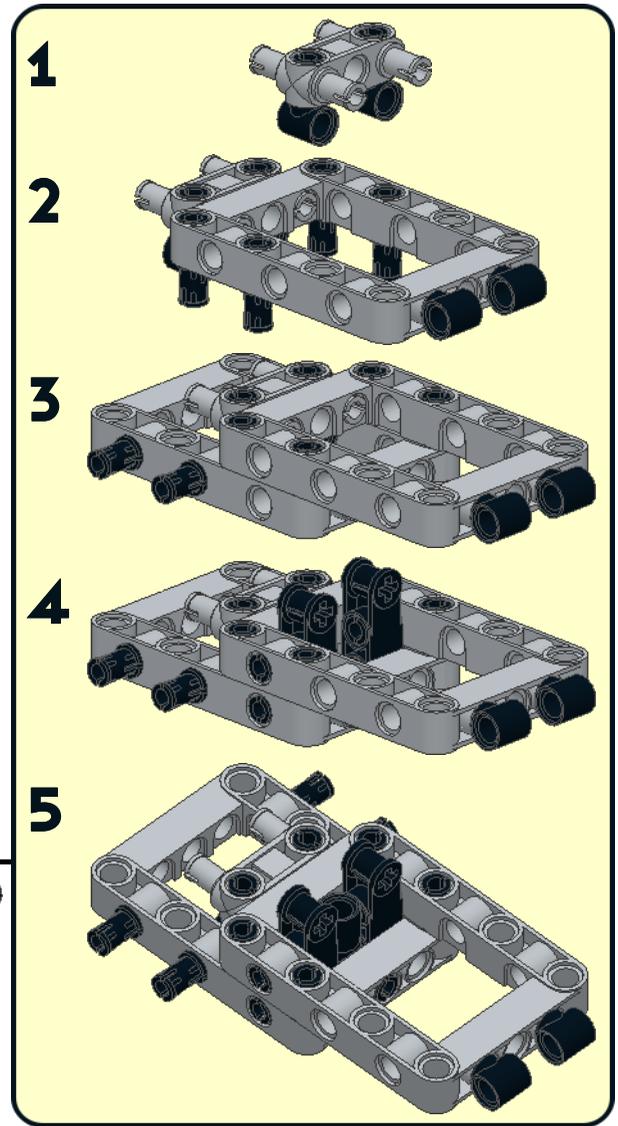
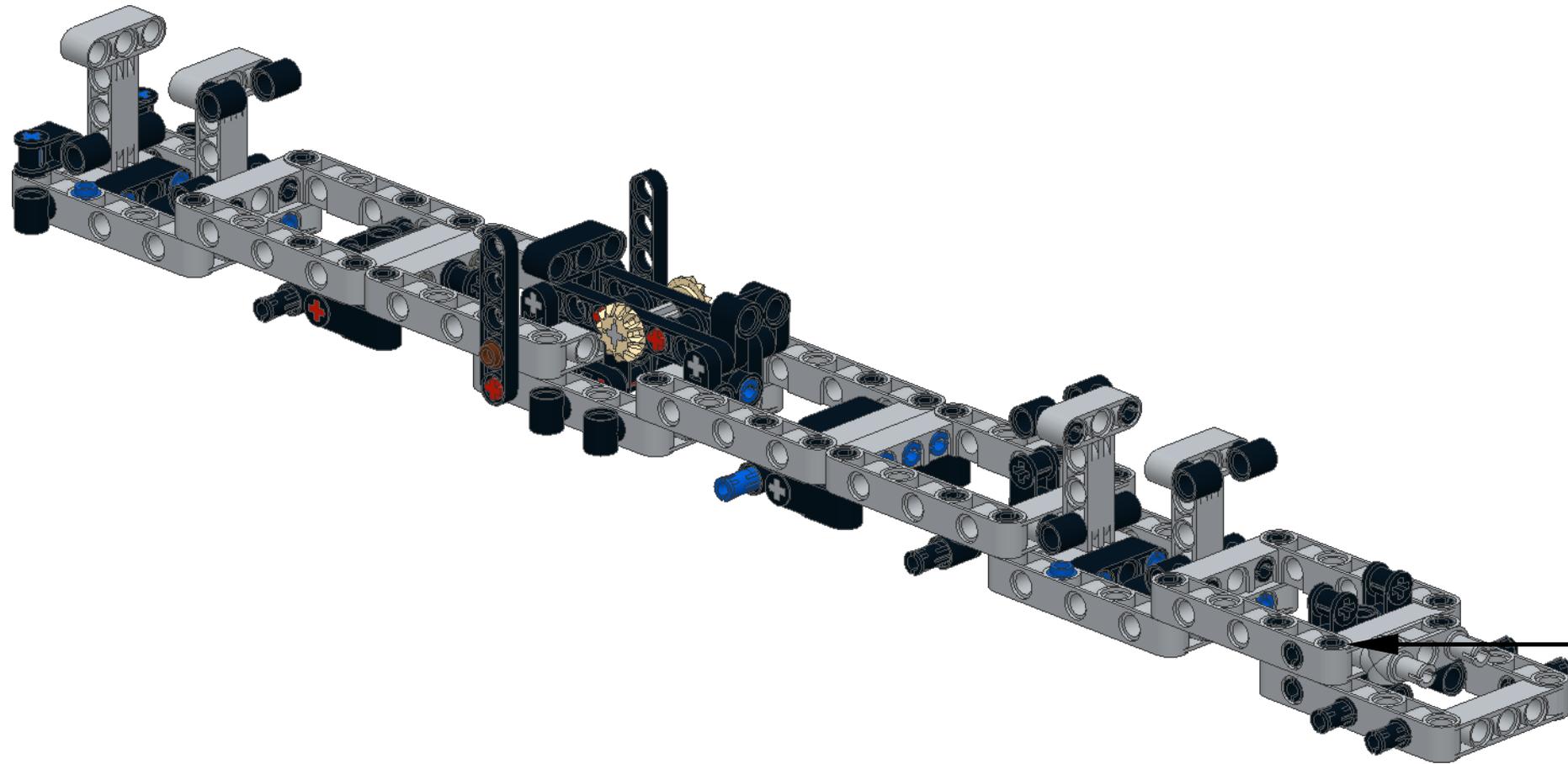
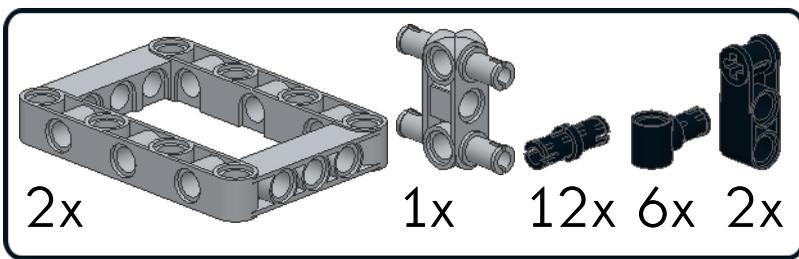


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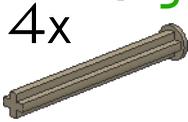
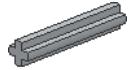
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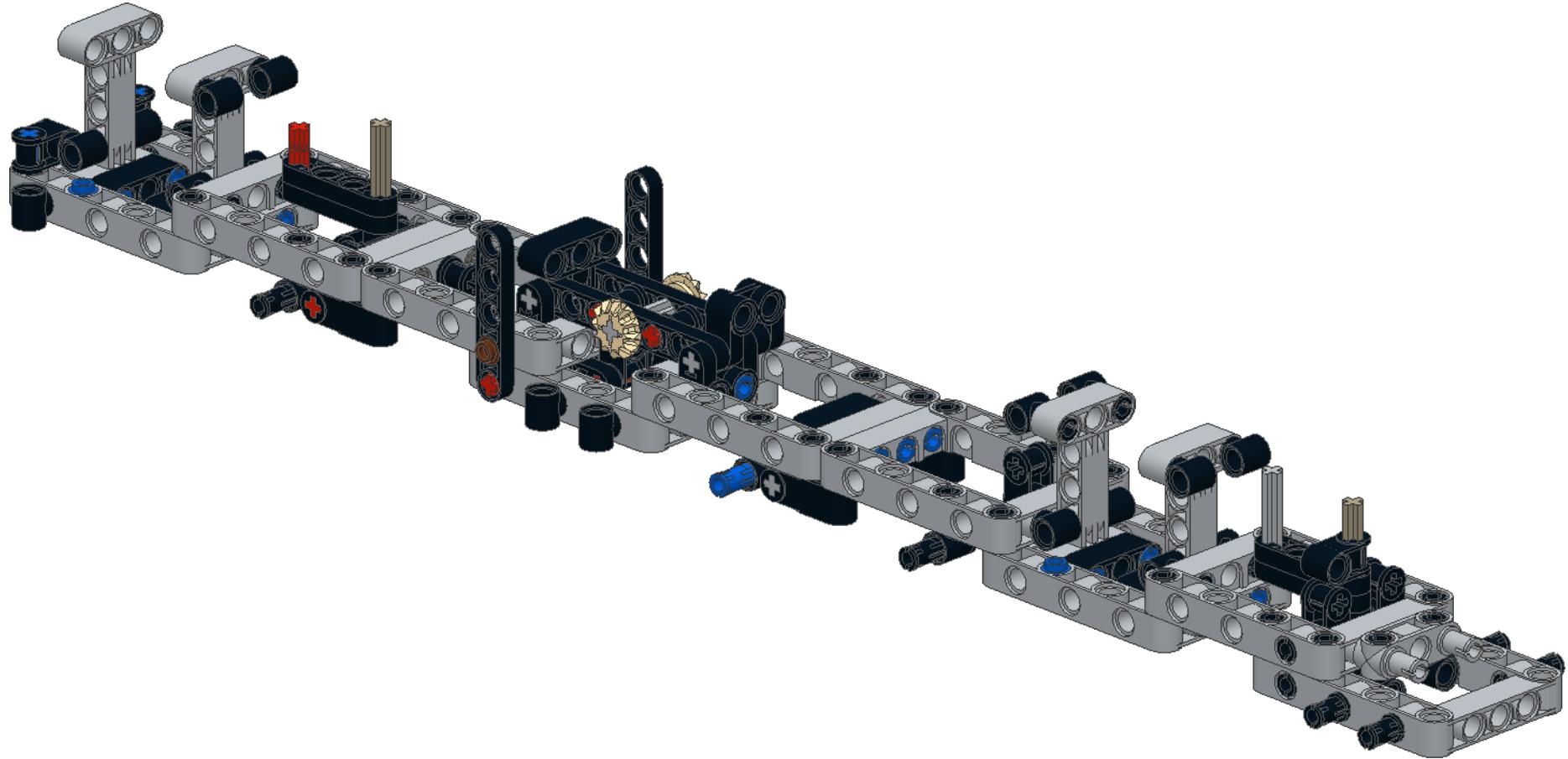
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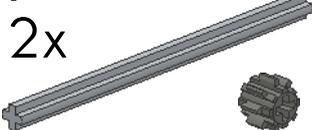


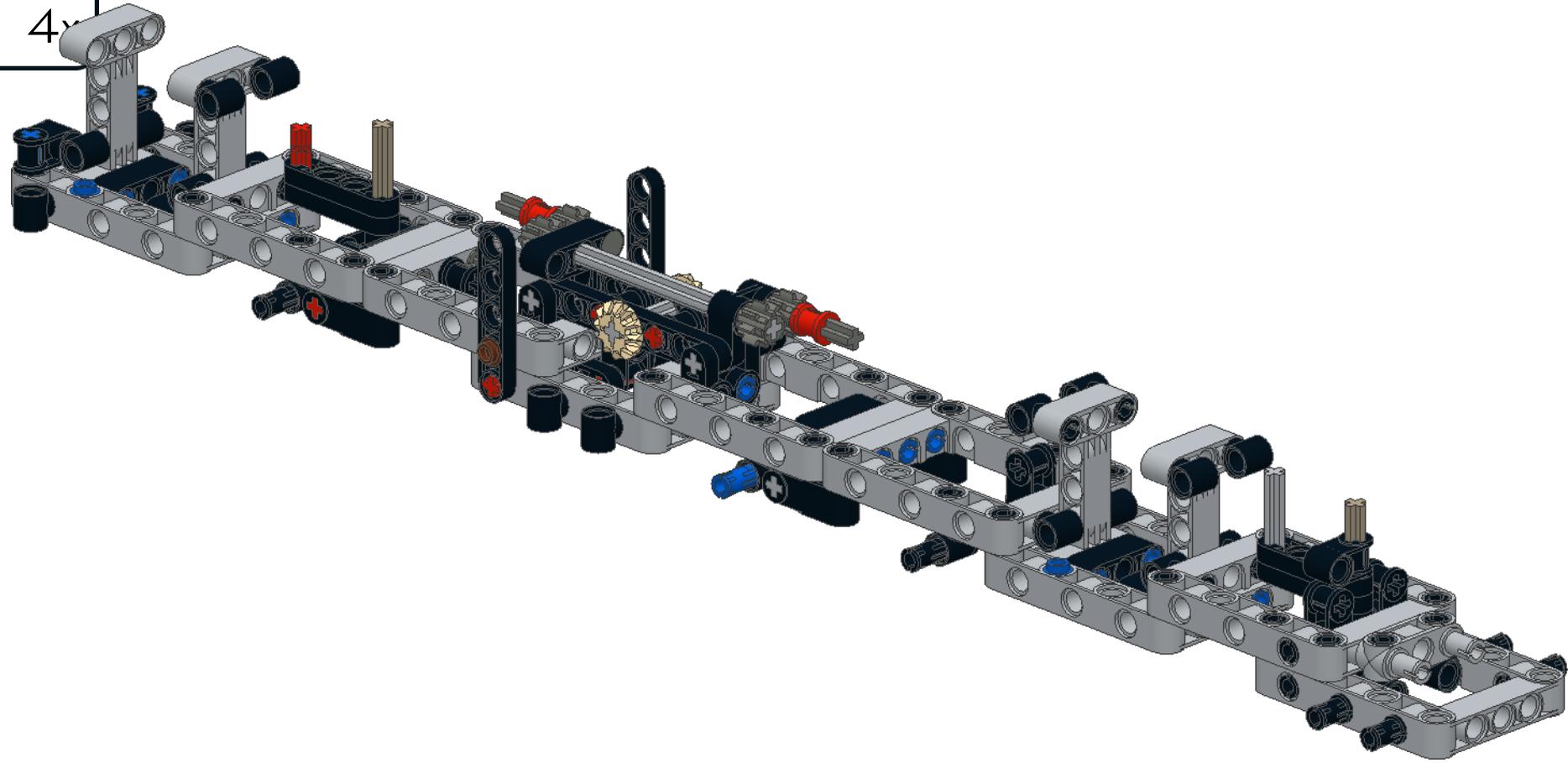
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		5		1x	3		2
4x		2x		1x	1x		1x



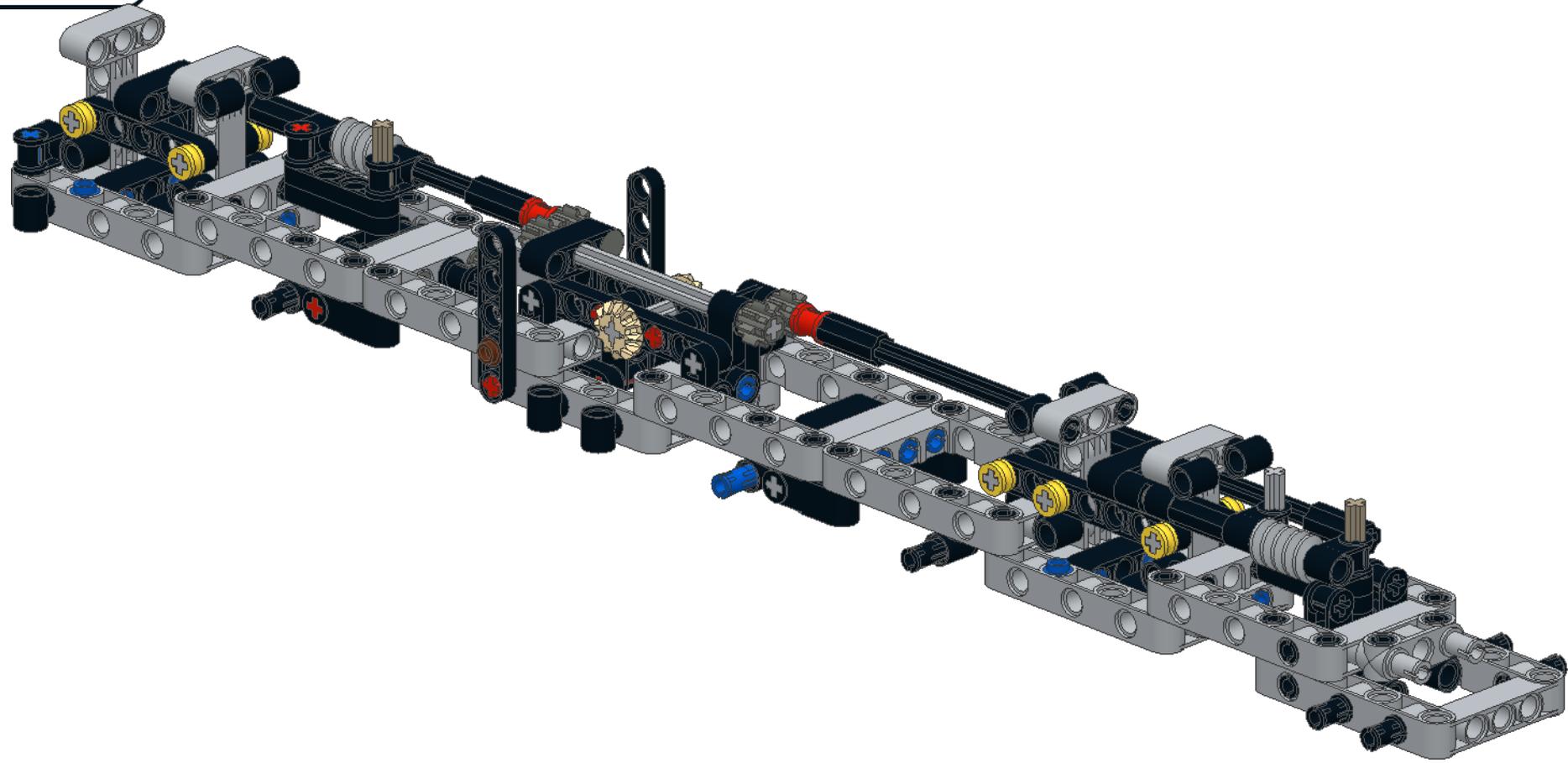
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- 2x  4
- 2x  9
- 1x  4x



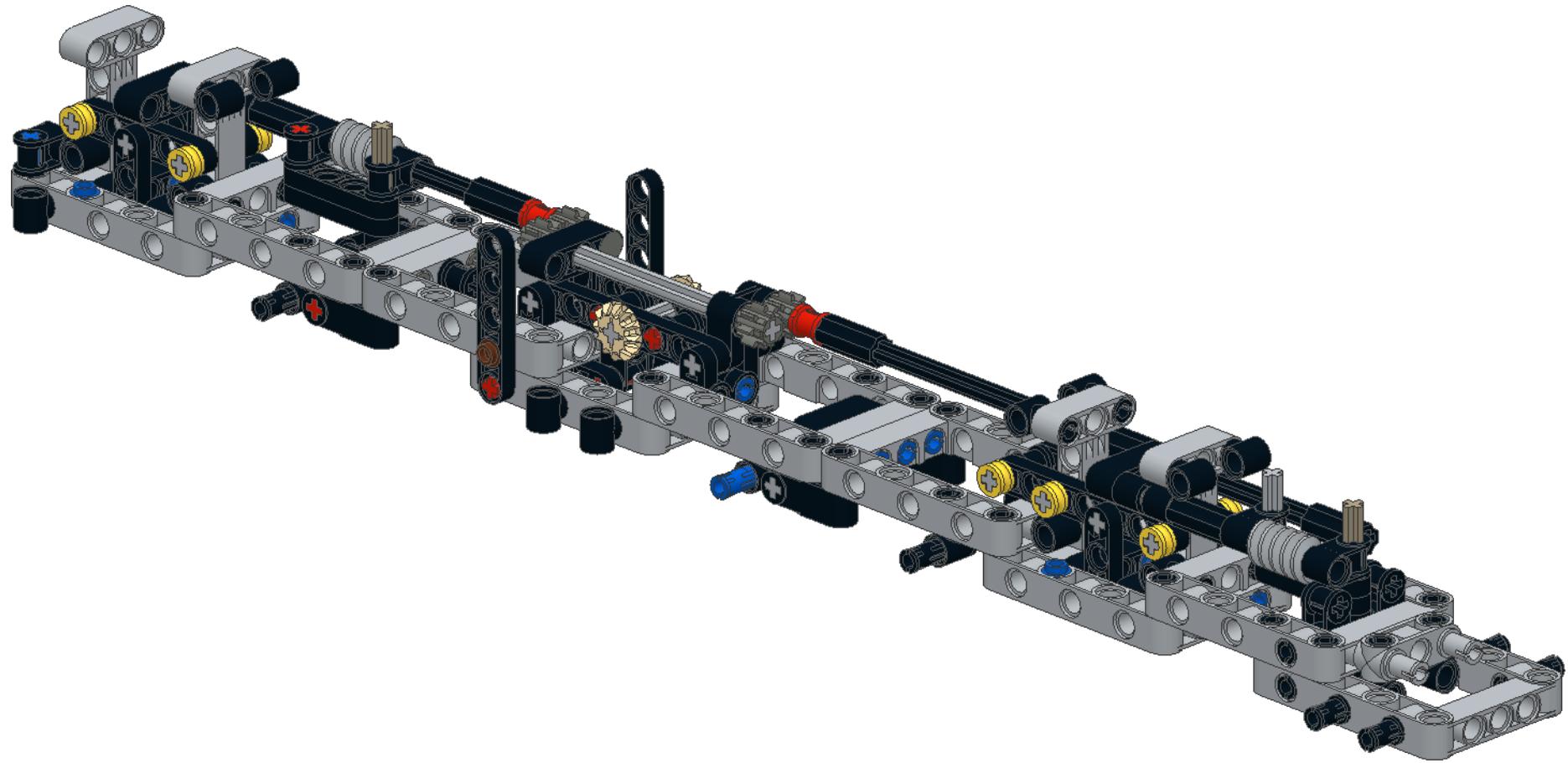
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		10x
2x		3
		5x



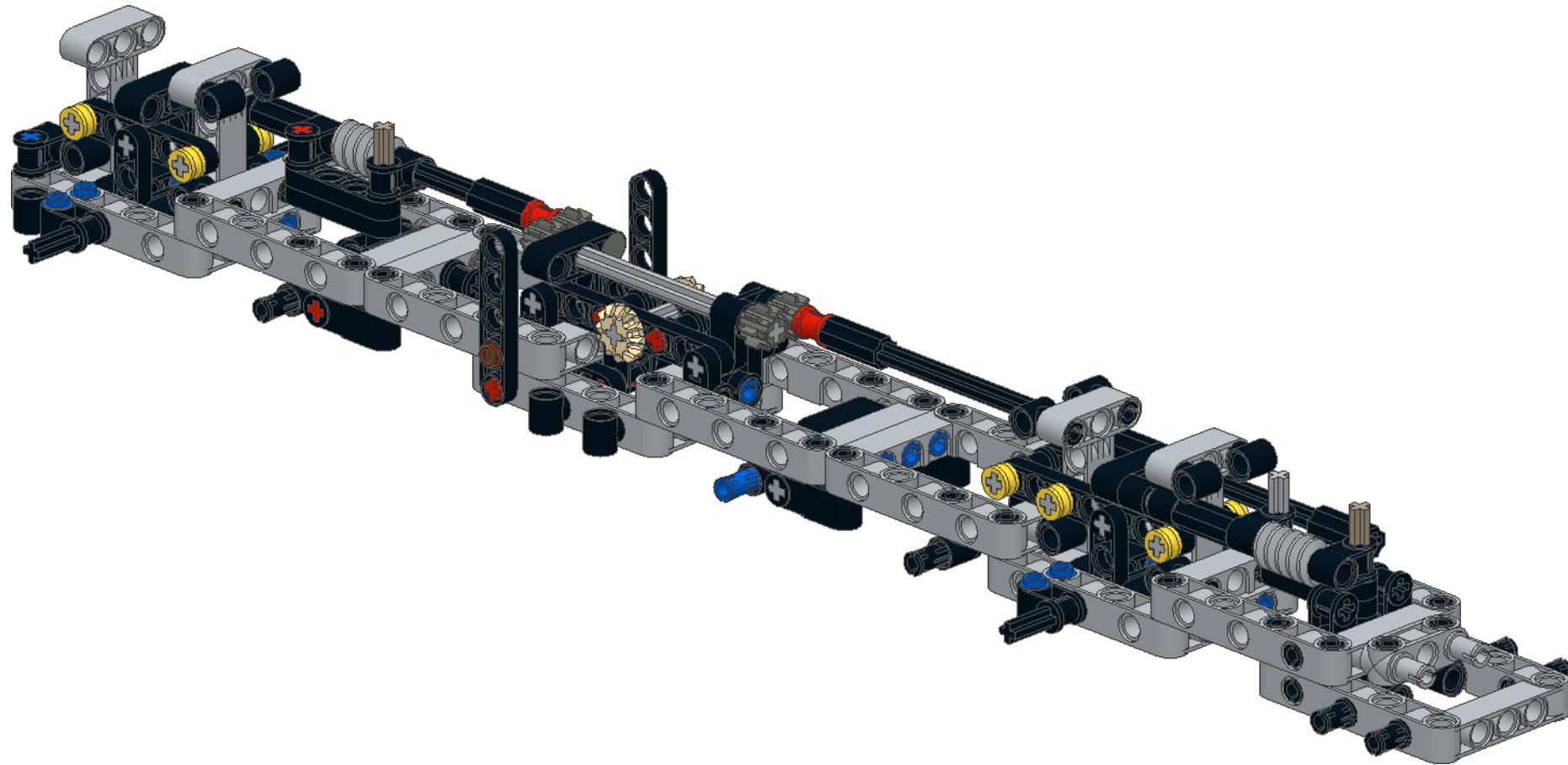
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4x 3
2x

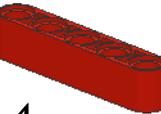


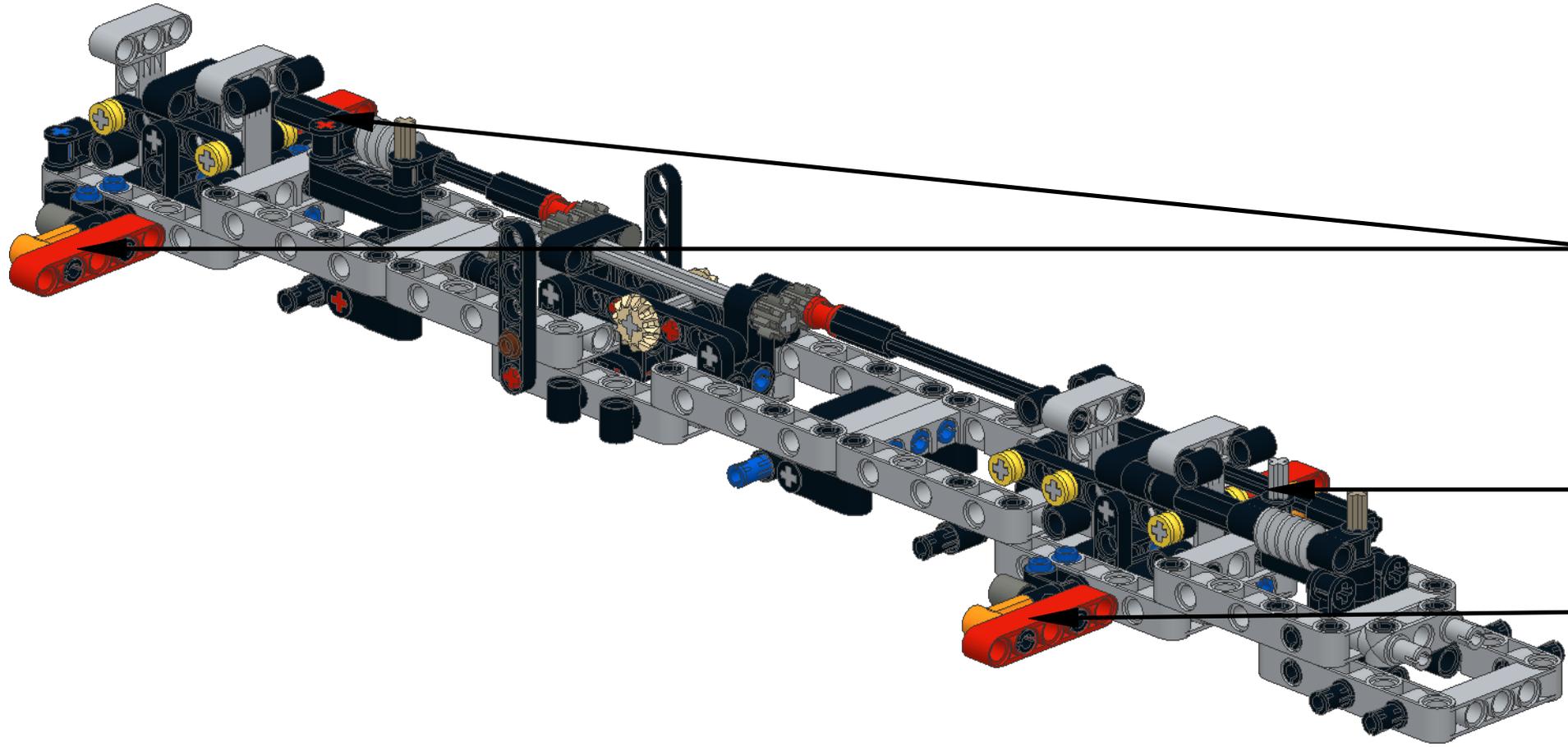
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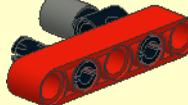
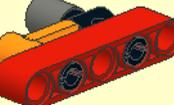
	10
4x	
2x	
	4x



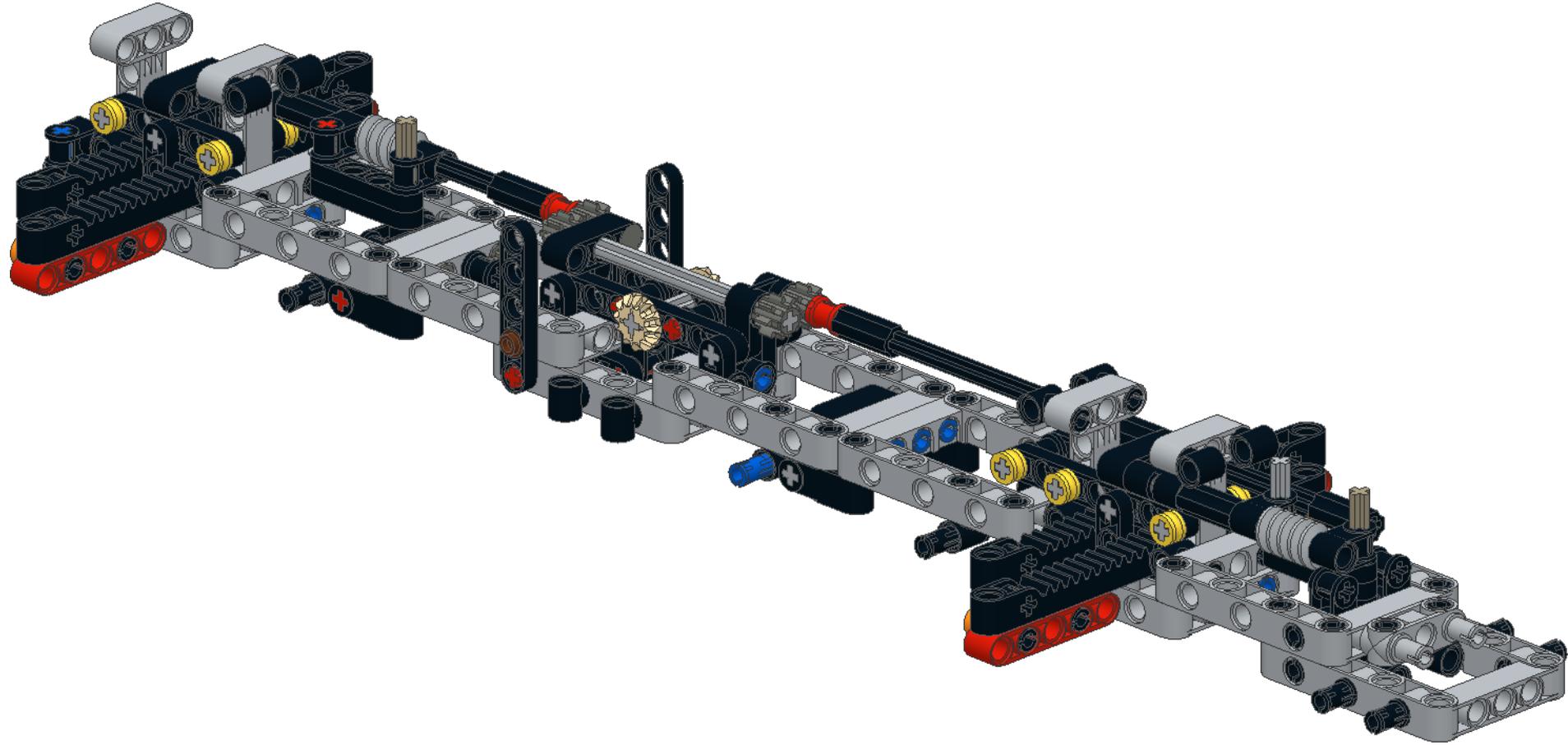
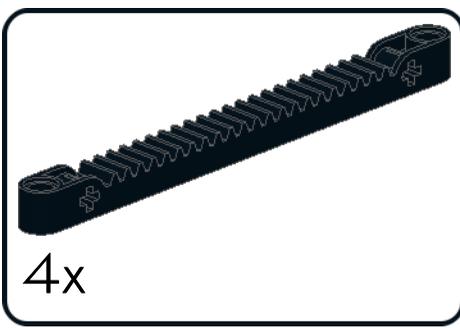
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4x	5 4x	
		
4x	4x	4x

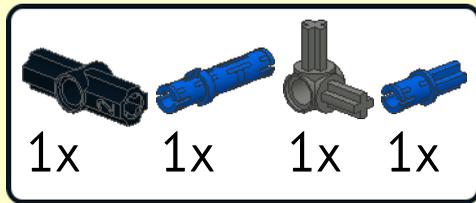


1	
2	
3	
x4	

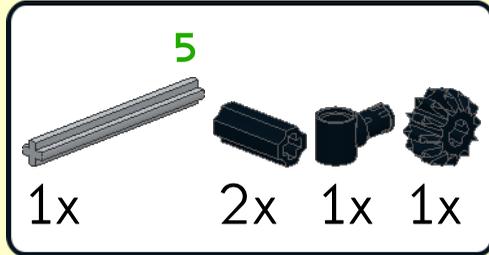
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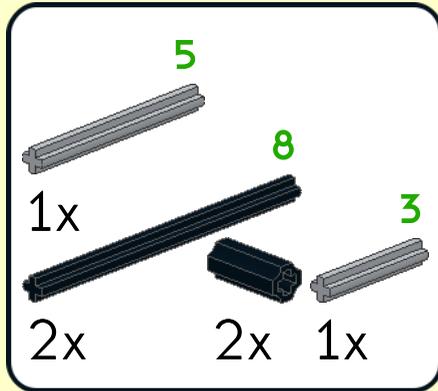
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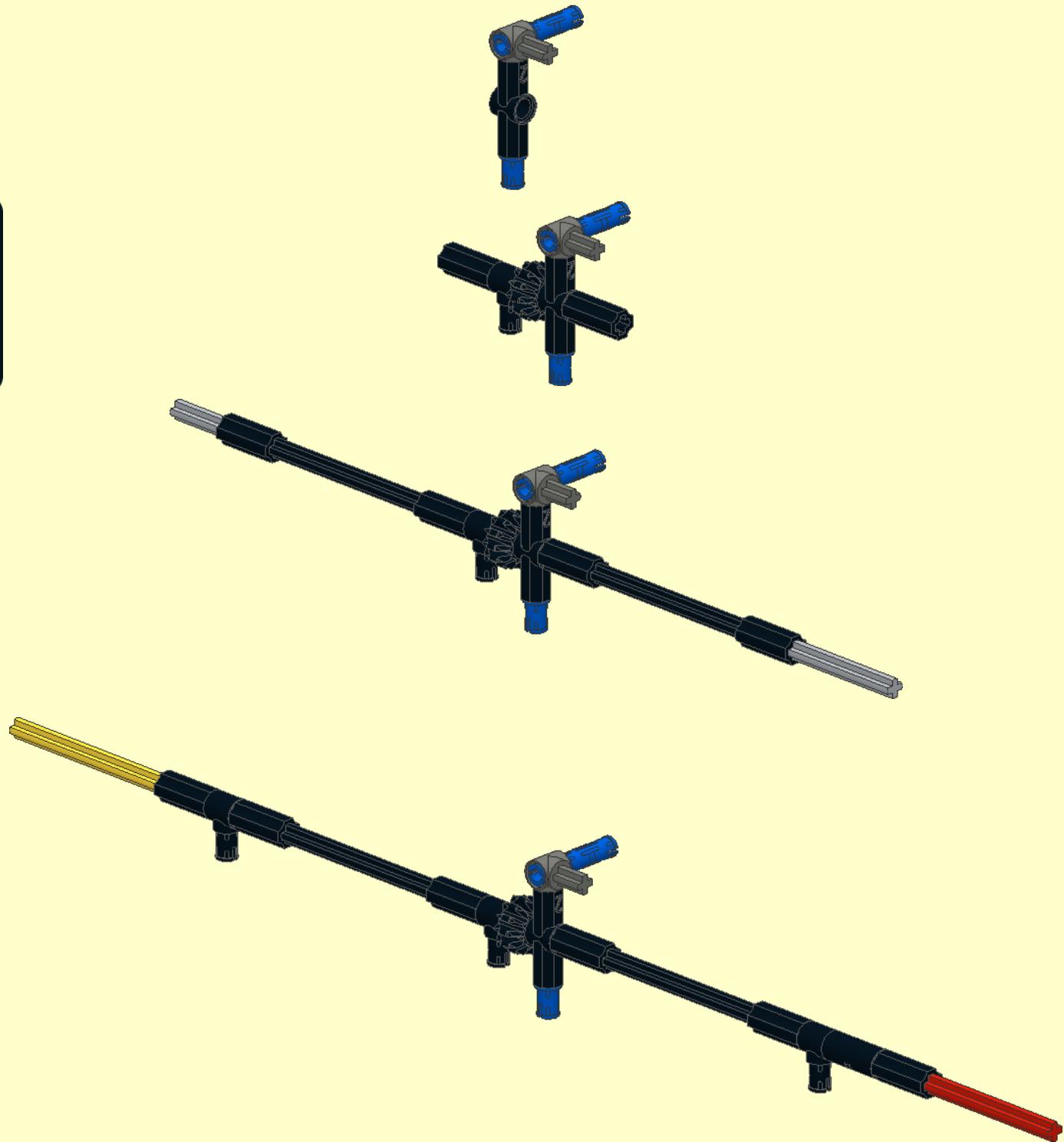
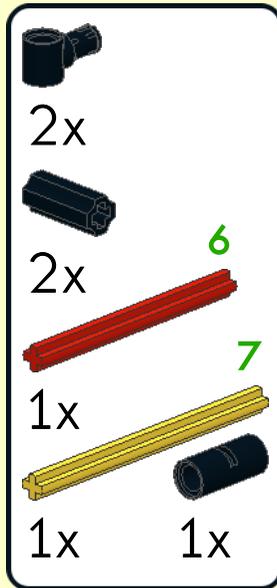
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3



4



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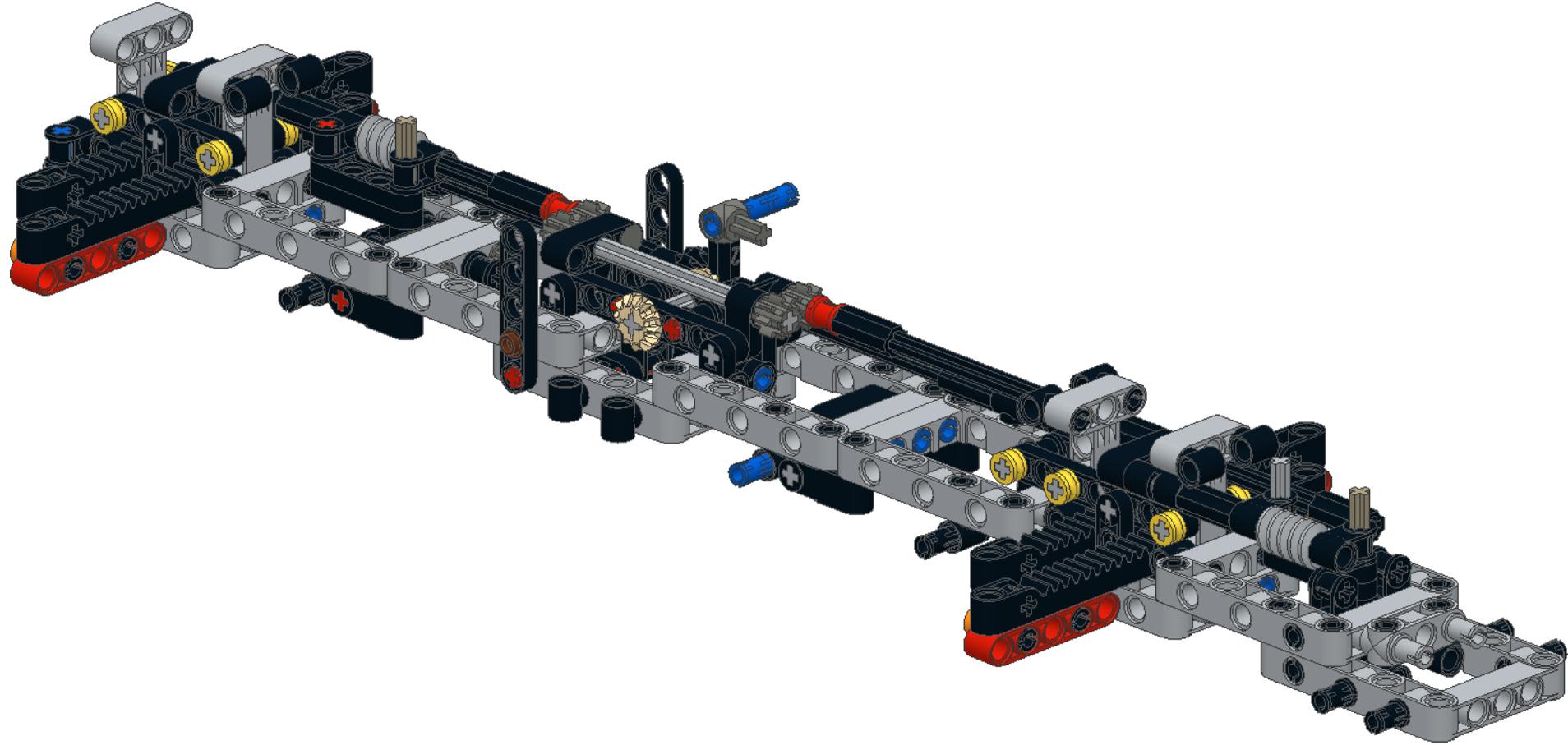
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-  2x



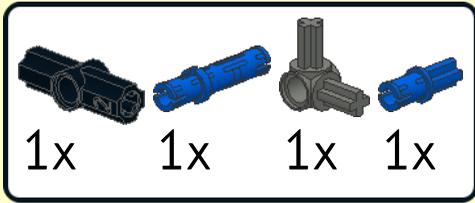
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-  2x

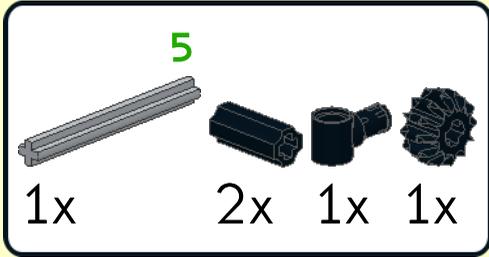




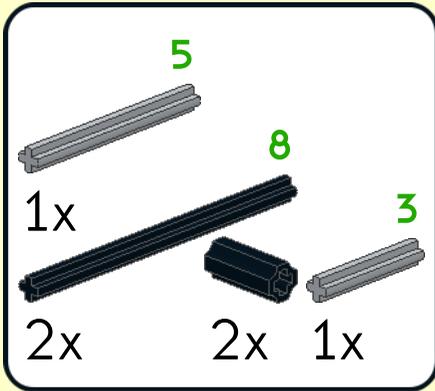
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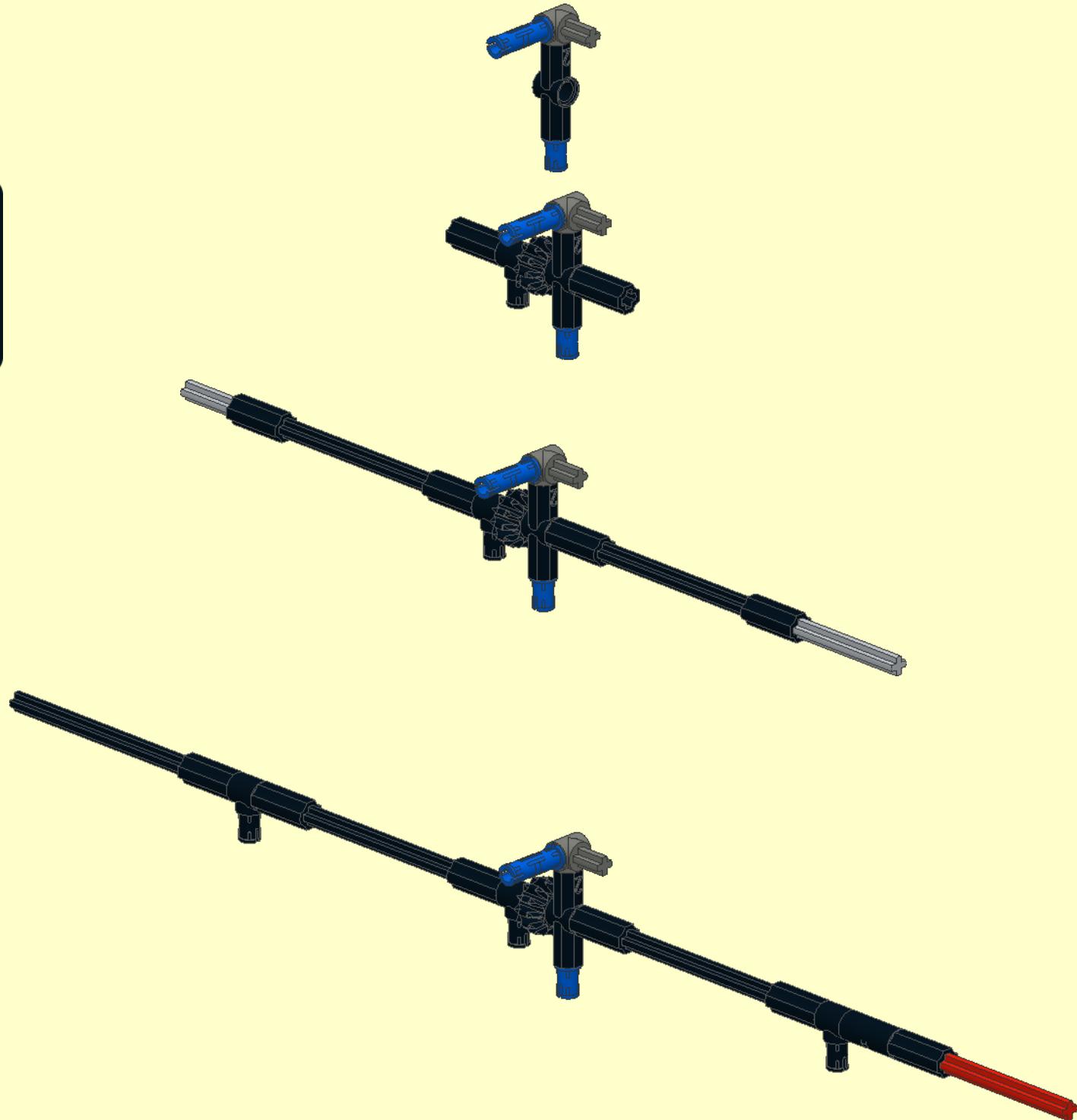
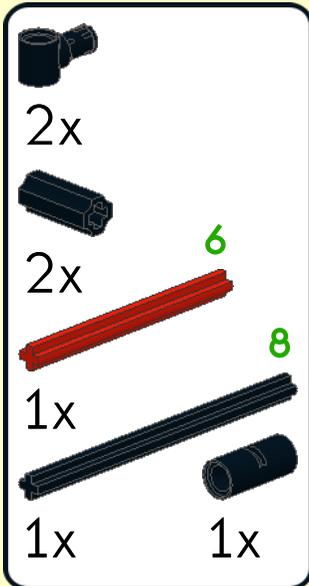
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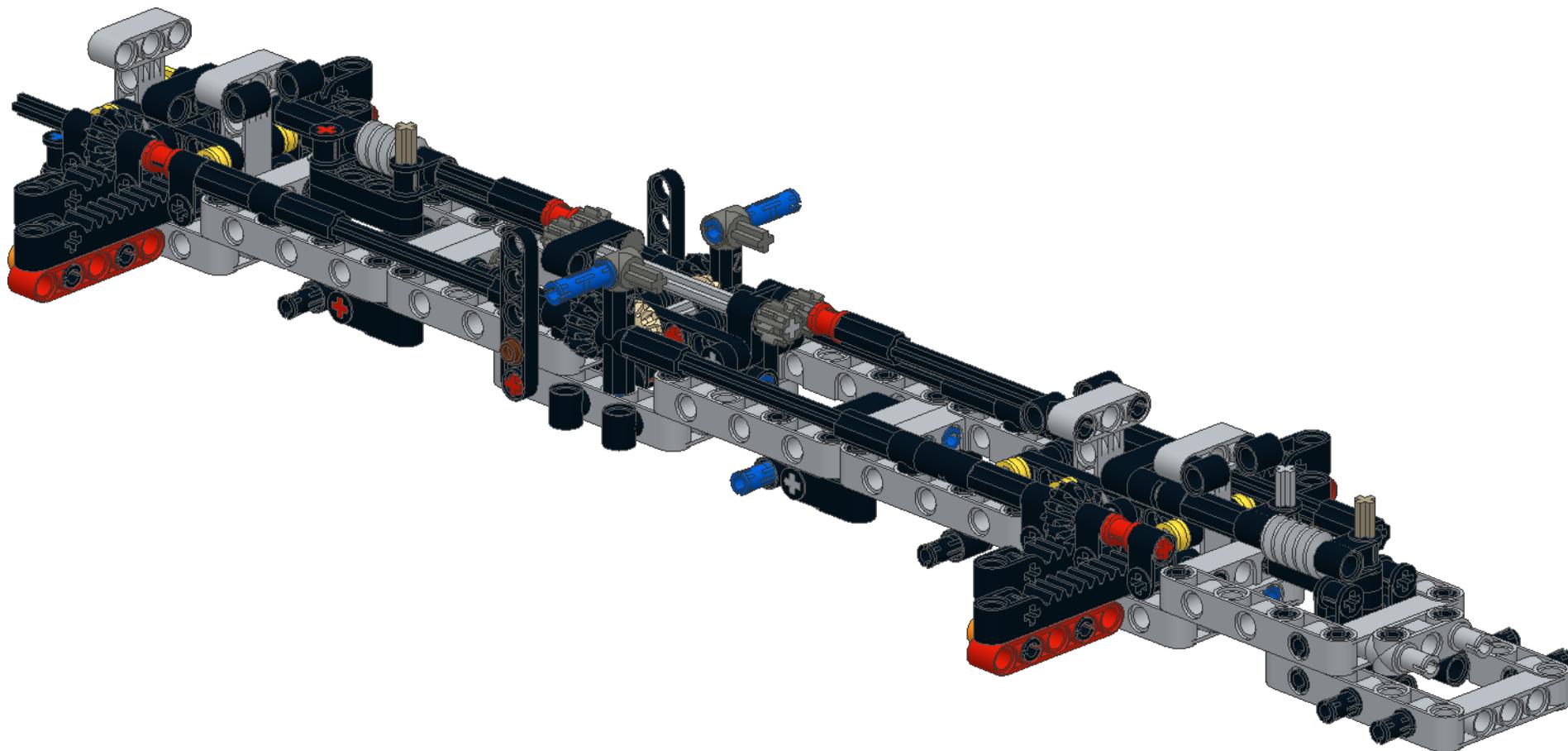
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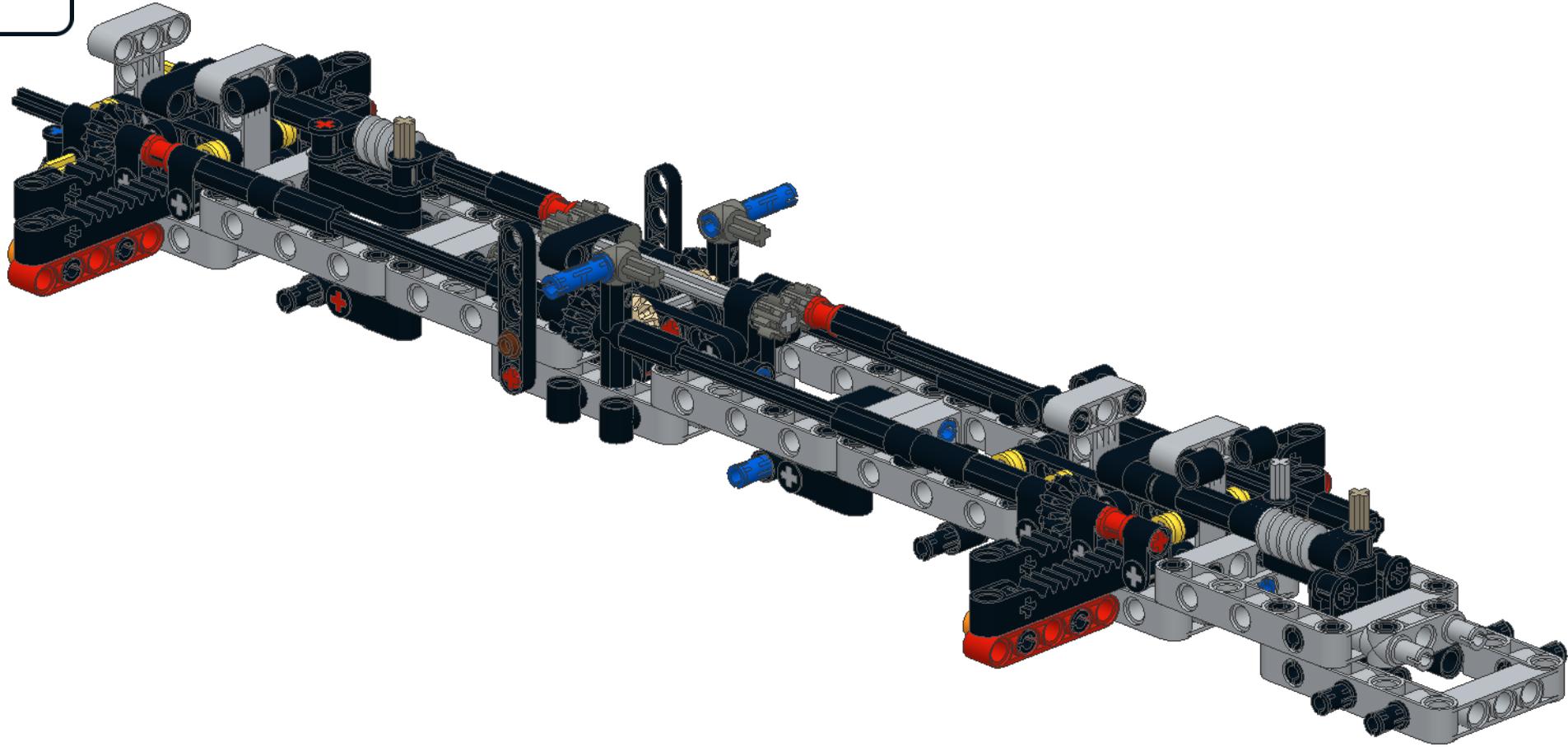
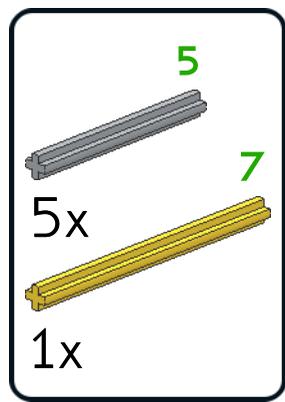




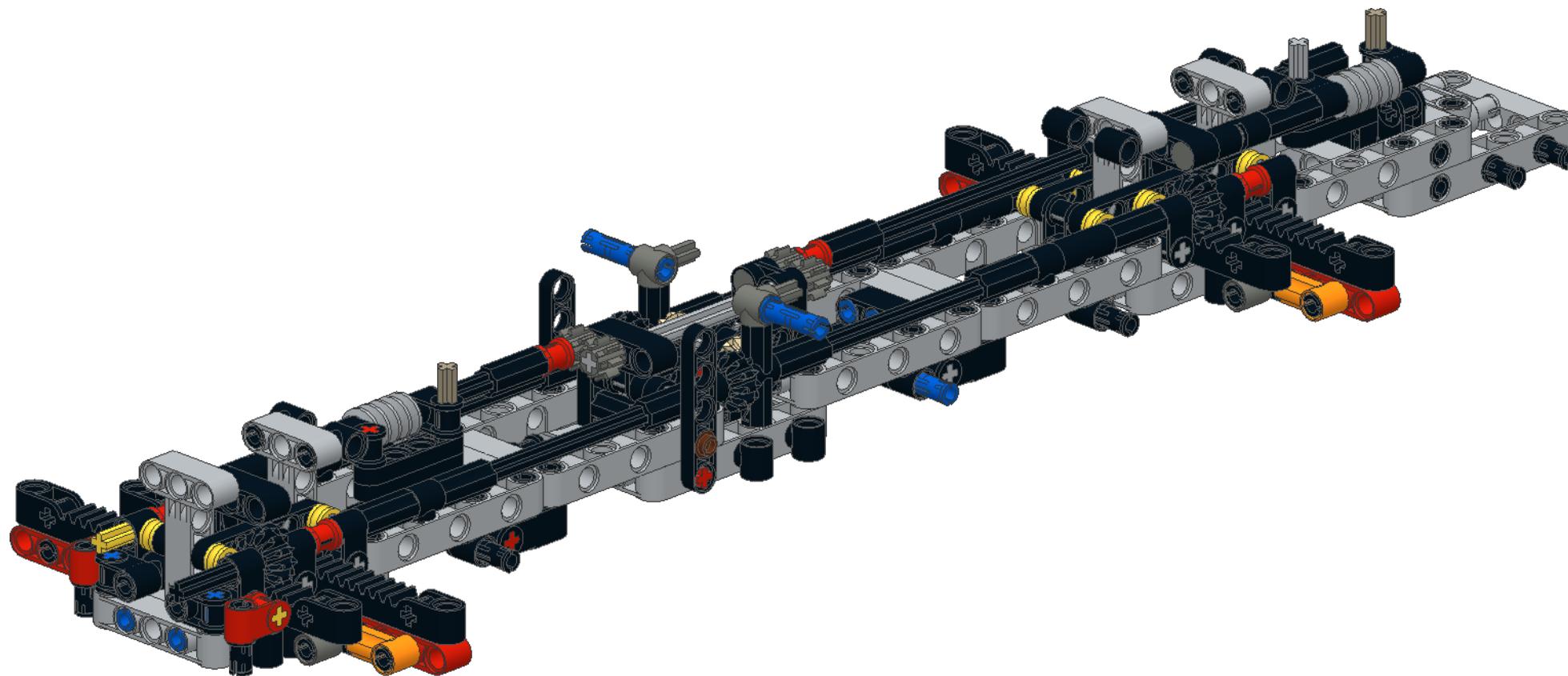
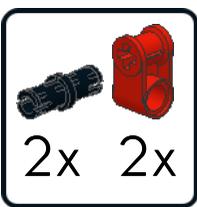


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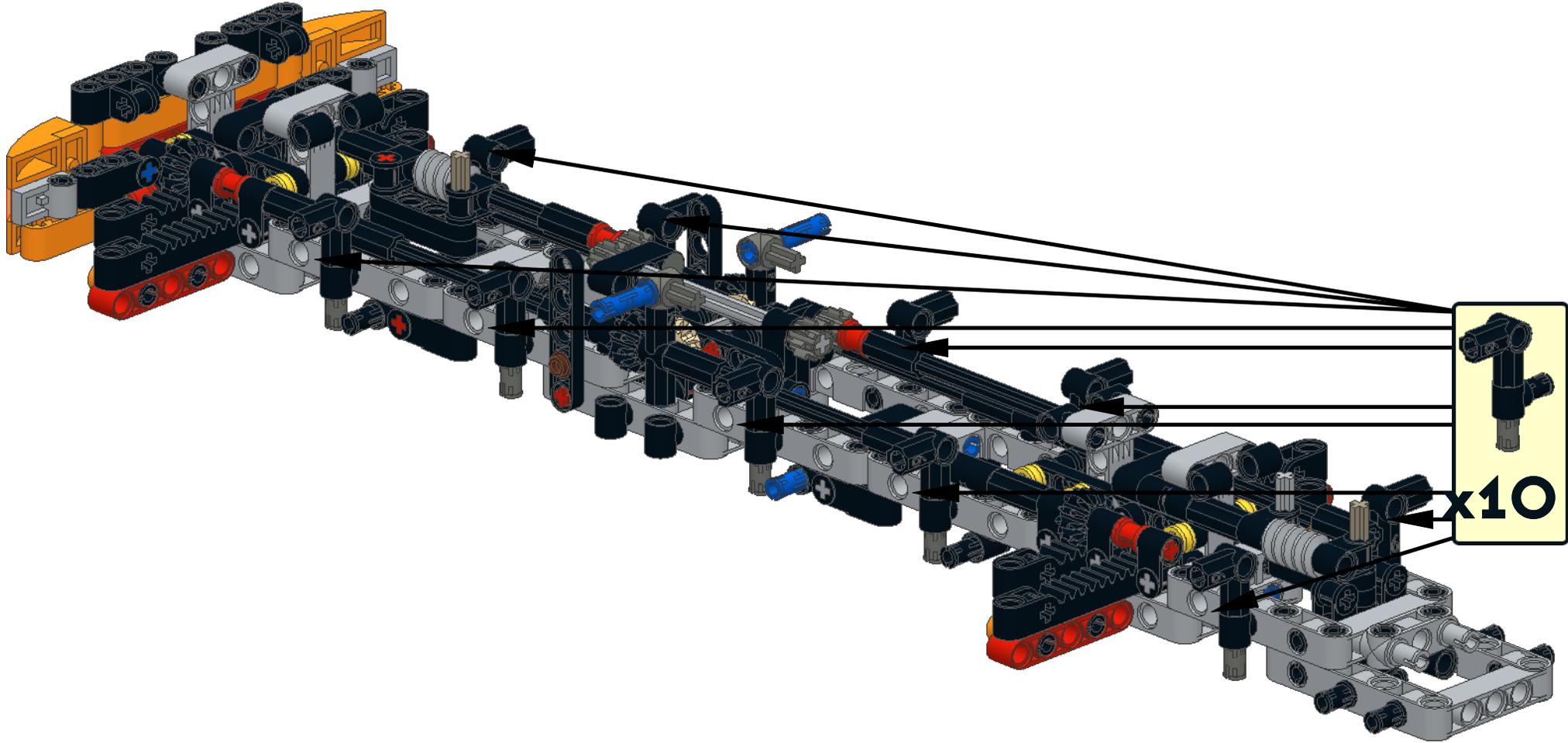
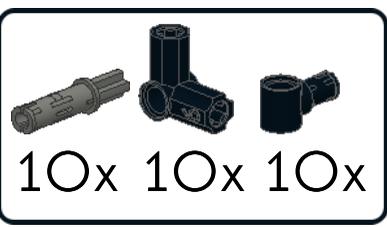
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5x
7
1x



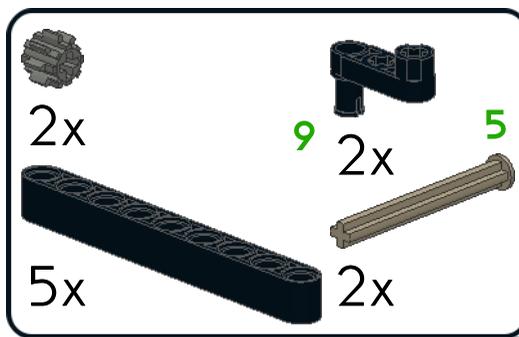
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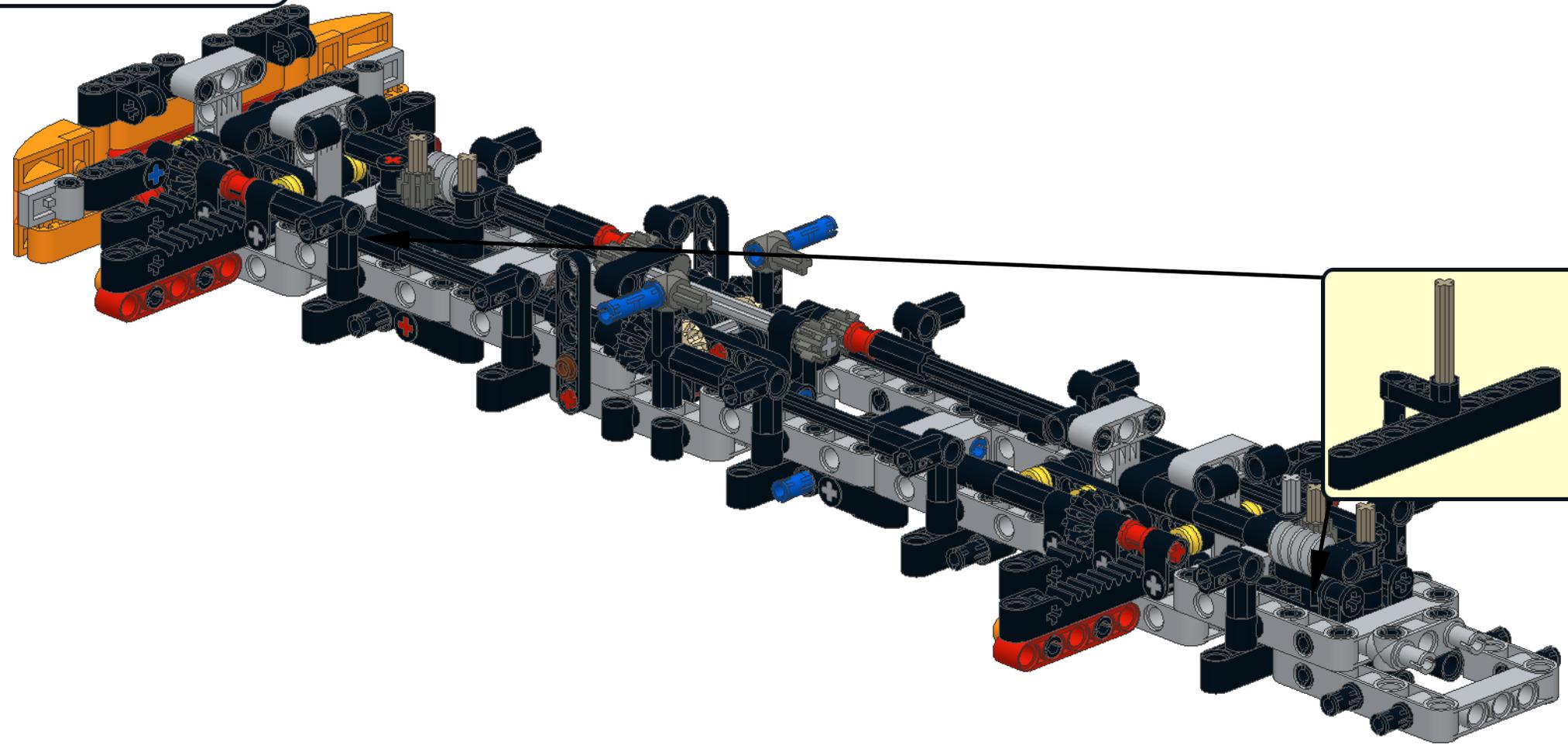


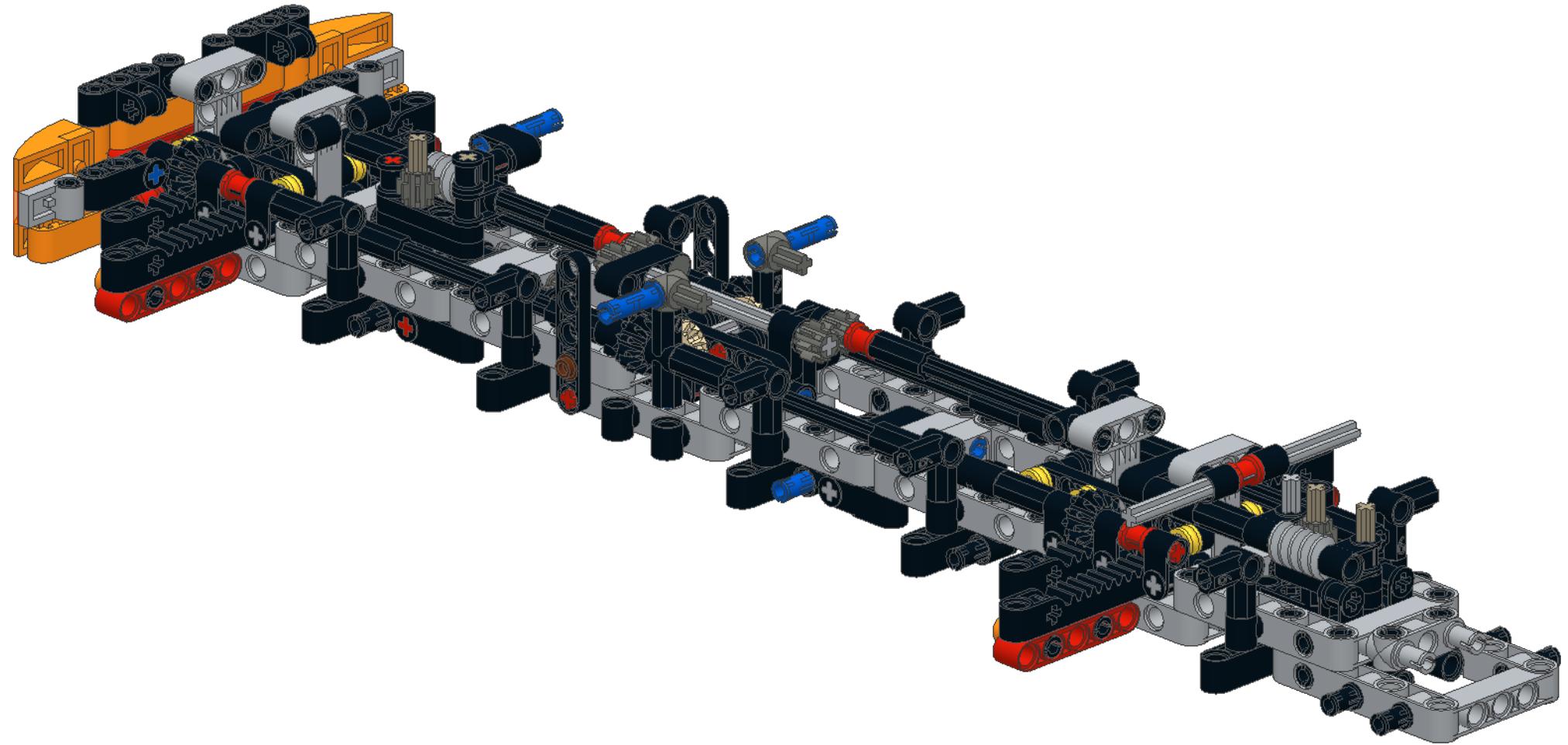
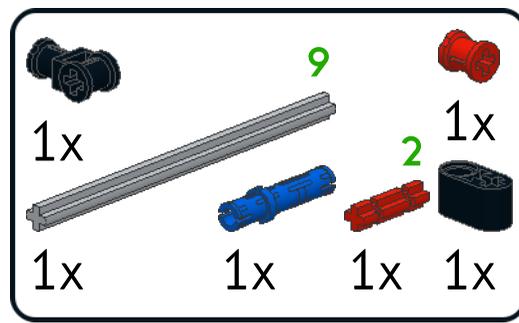
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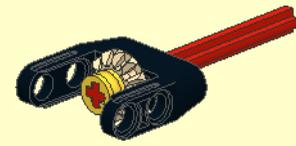
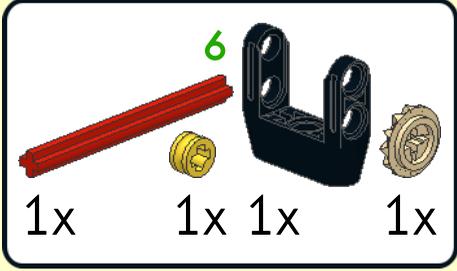
Parts list for step 28:

- 2x (Black bush)
- 5x (Black Technic beam 1x10)
- 9 (Black Technic pin)
- 2x (Black Technic L-shaped connector)
- 5 (Grey Technic axle)
- 2x (Grey Technic axle)

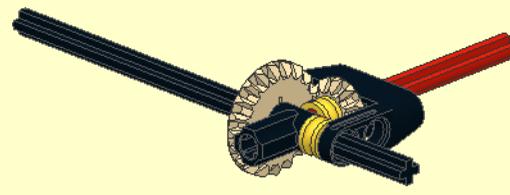
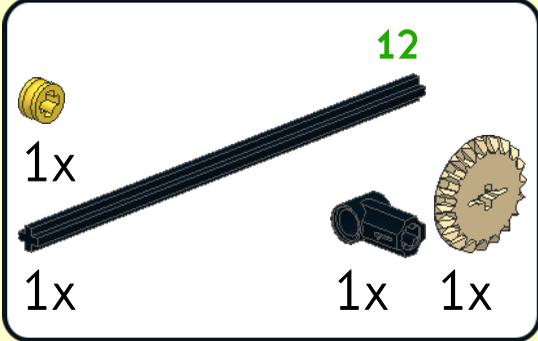




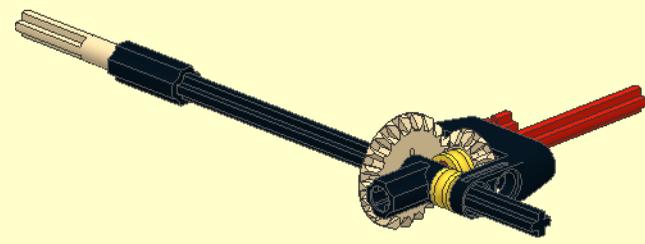
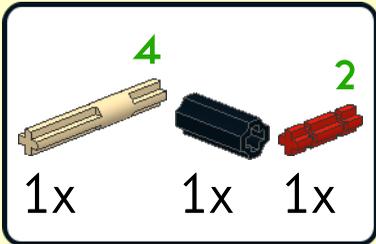
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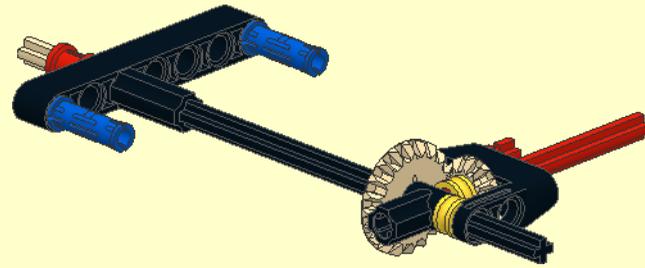
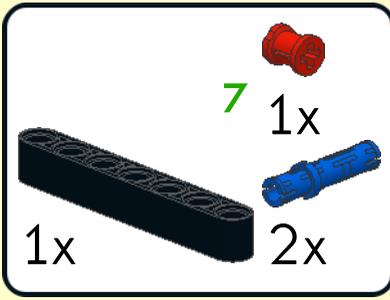
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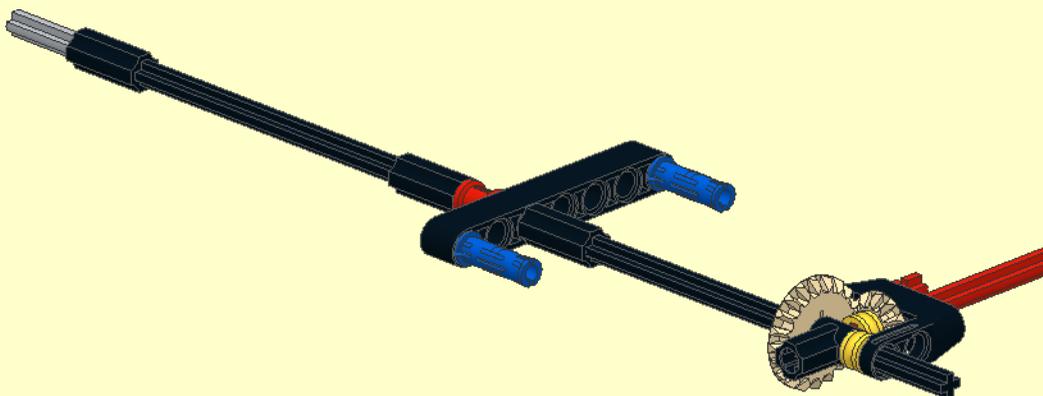
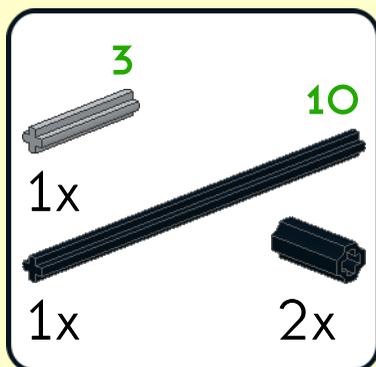
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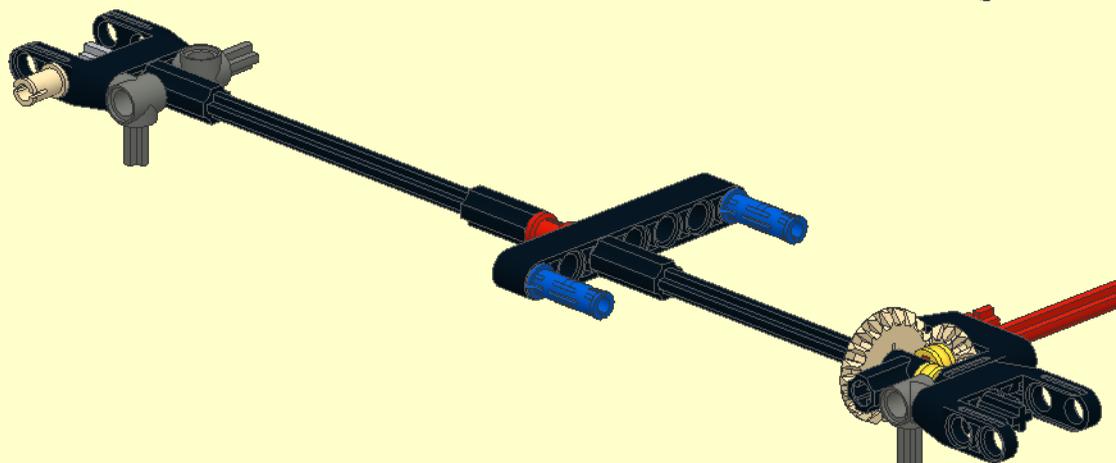
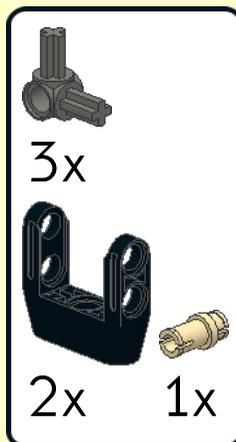
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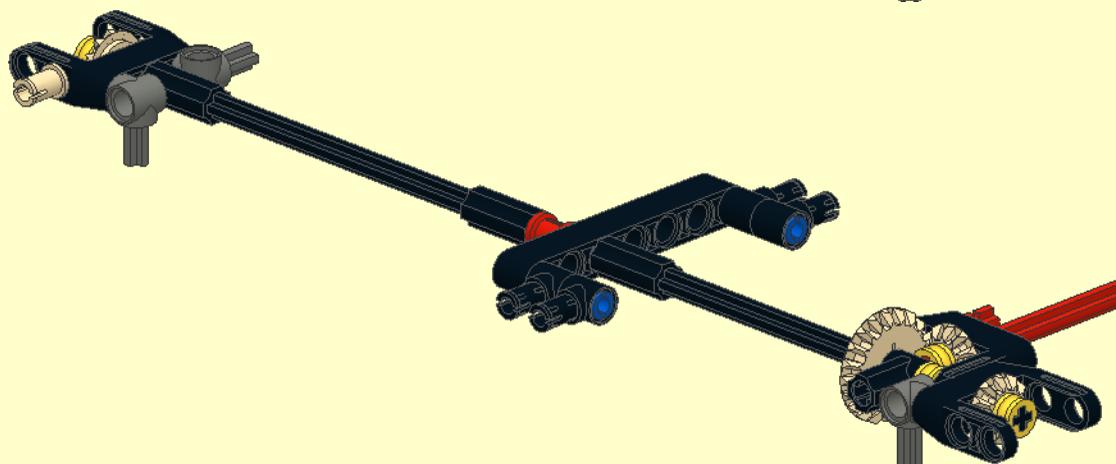
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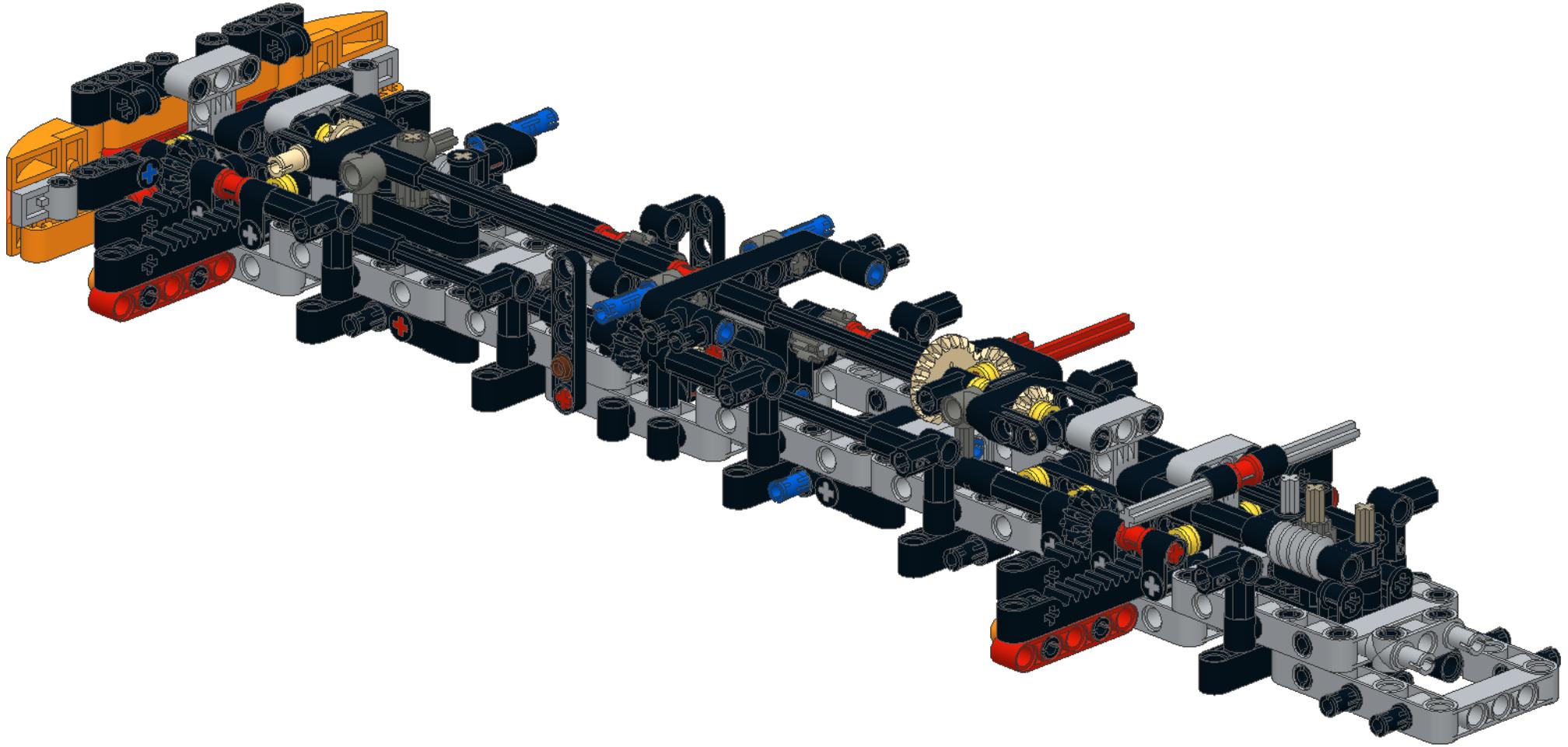


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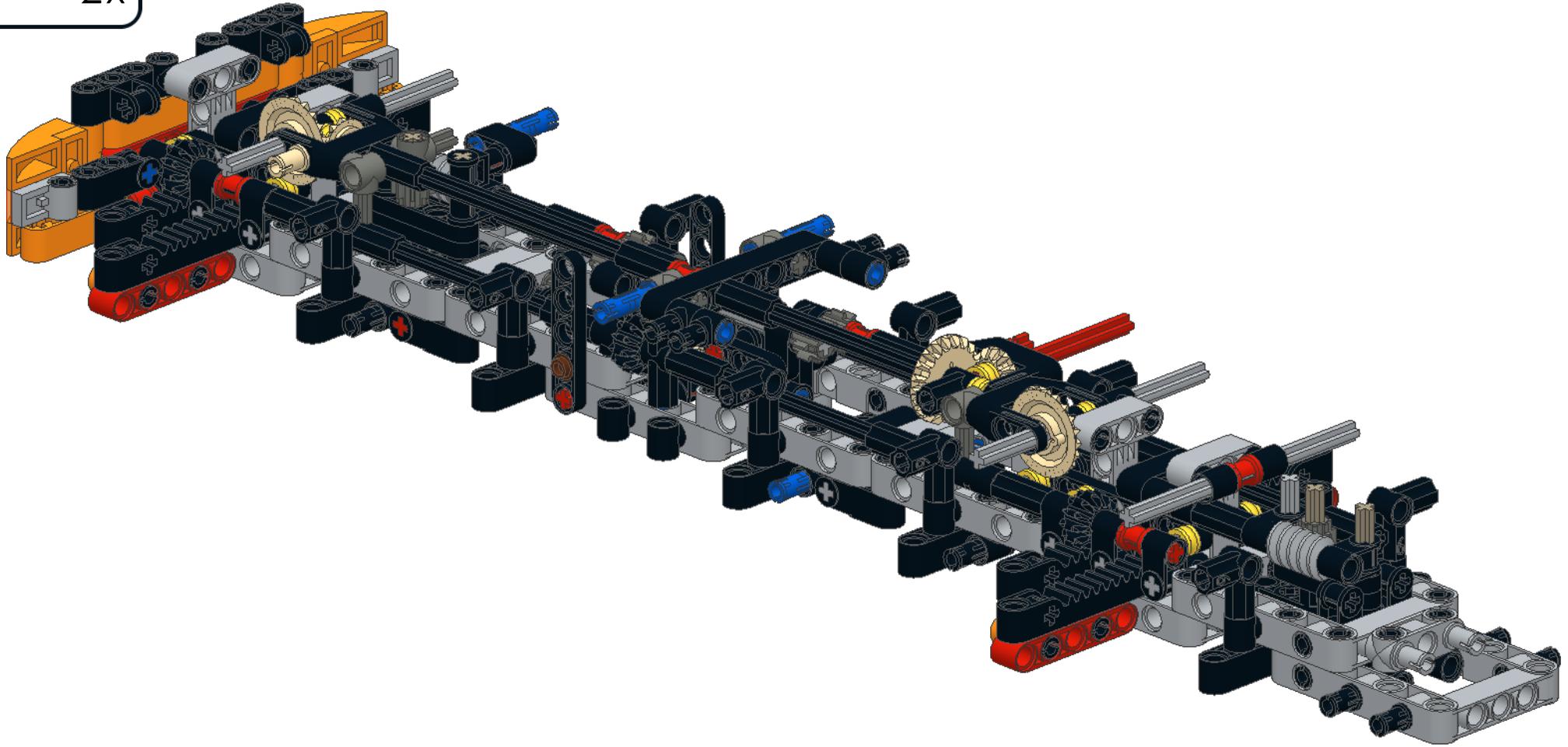
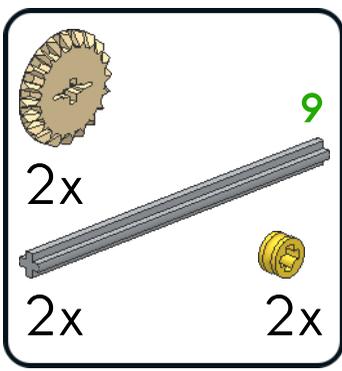


7





31



1x

15

3x

2x

9

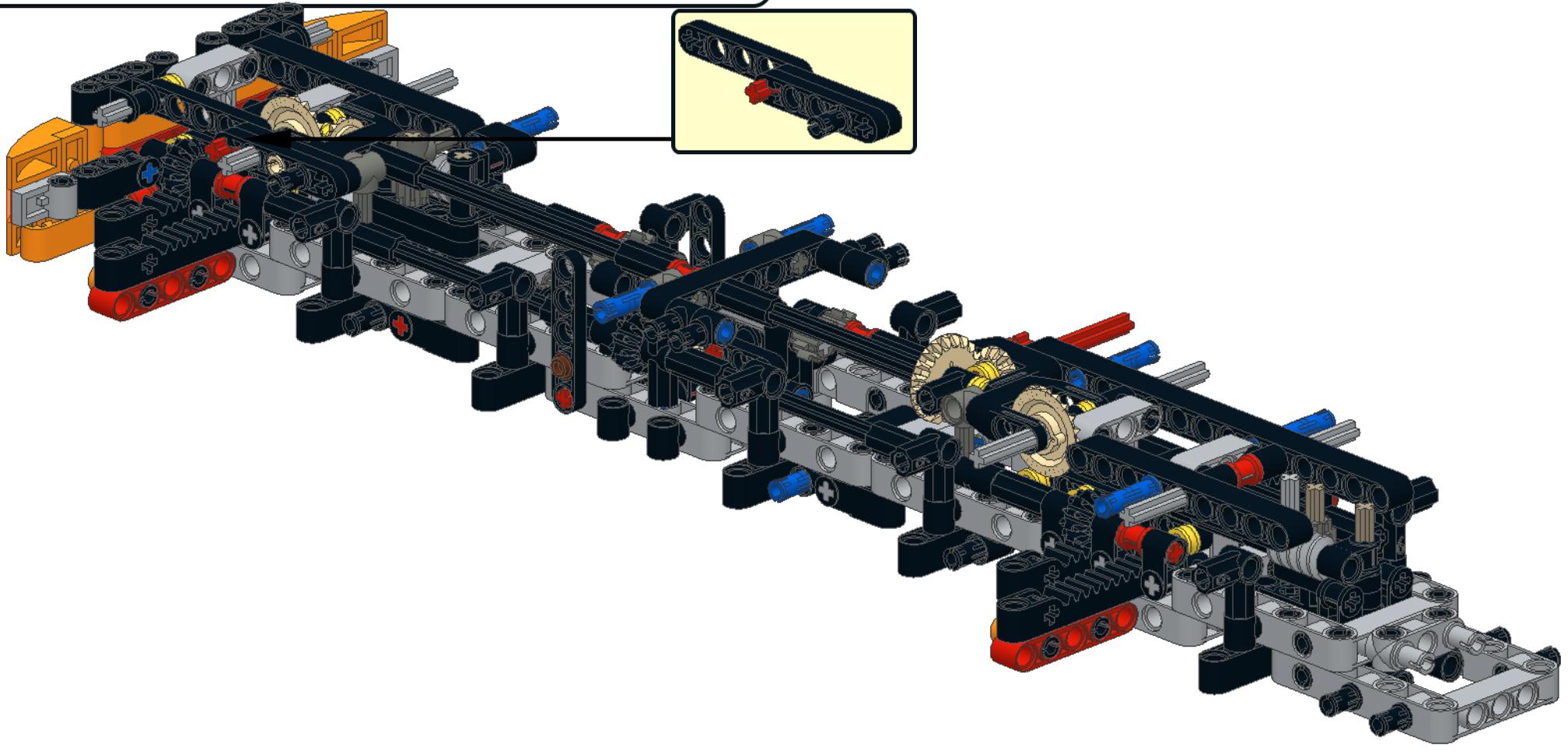
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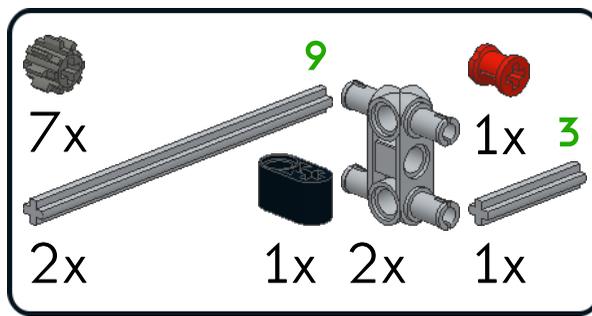
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1x

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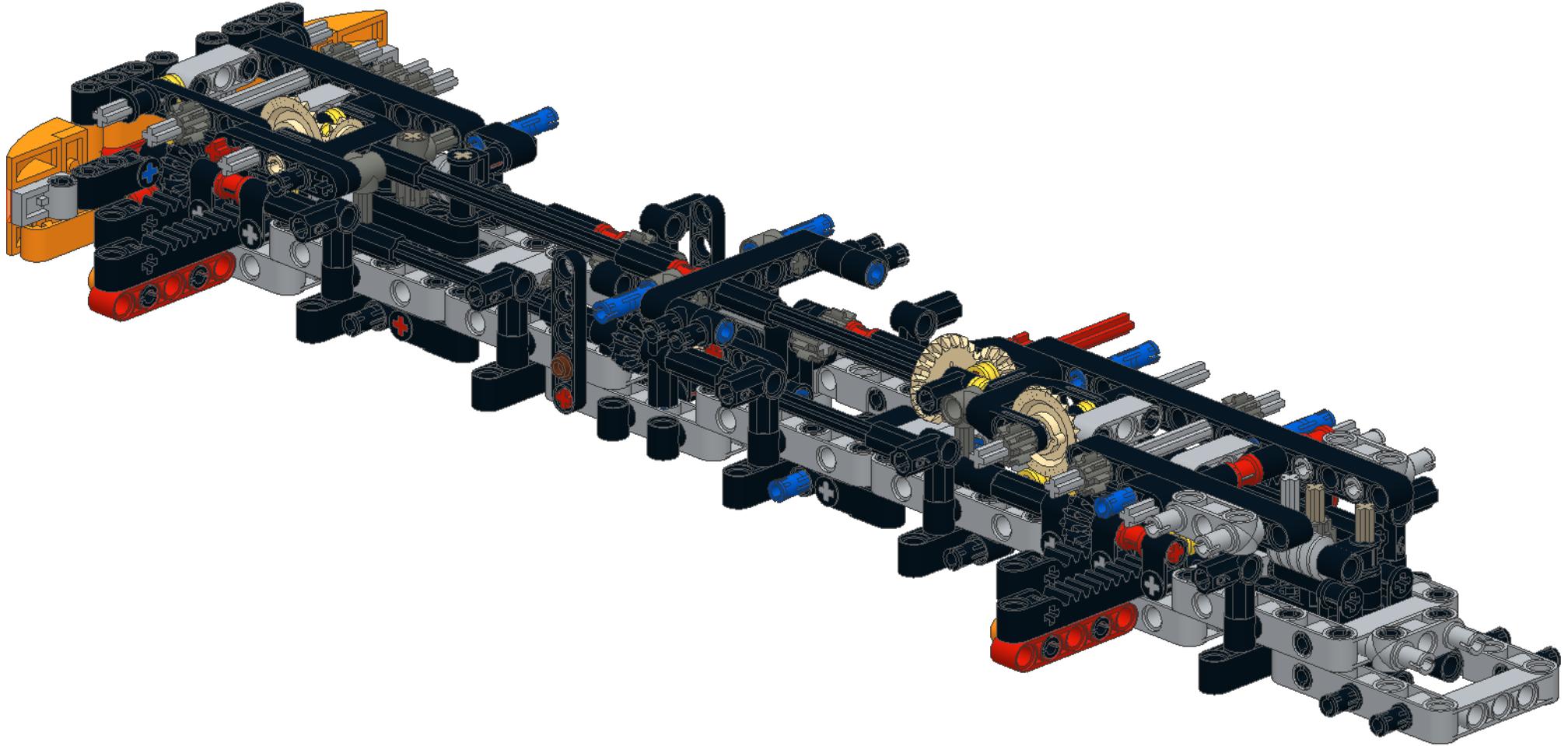


33

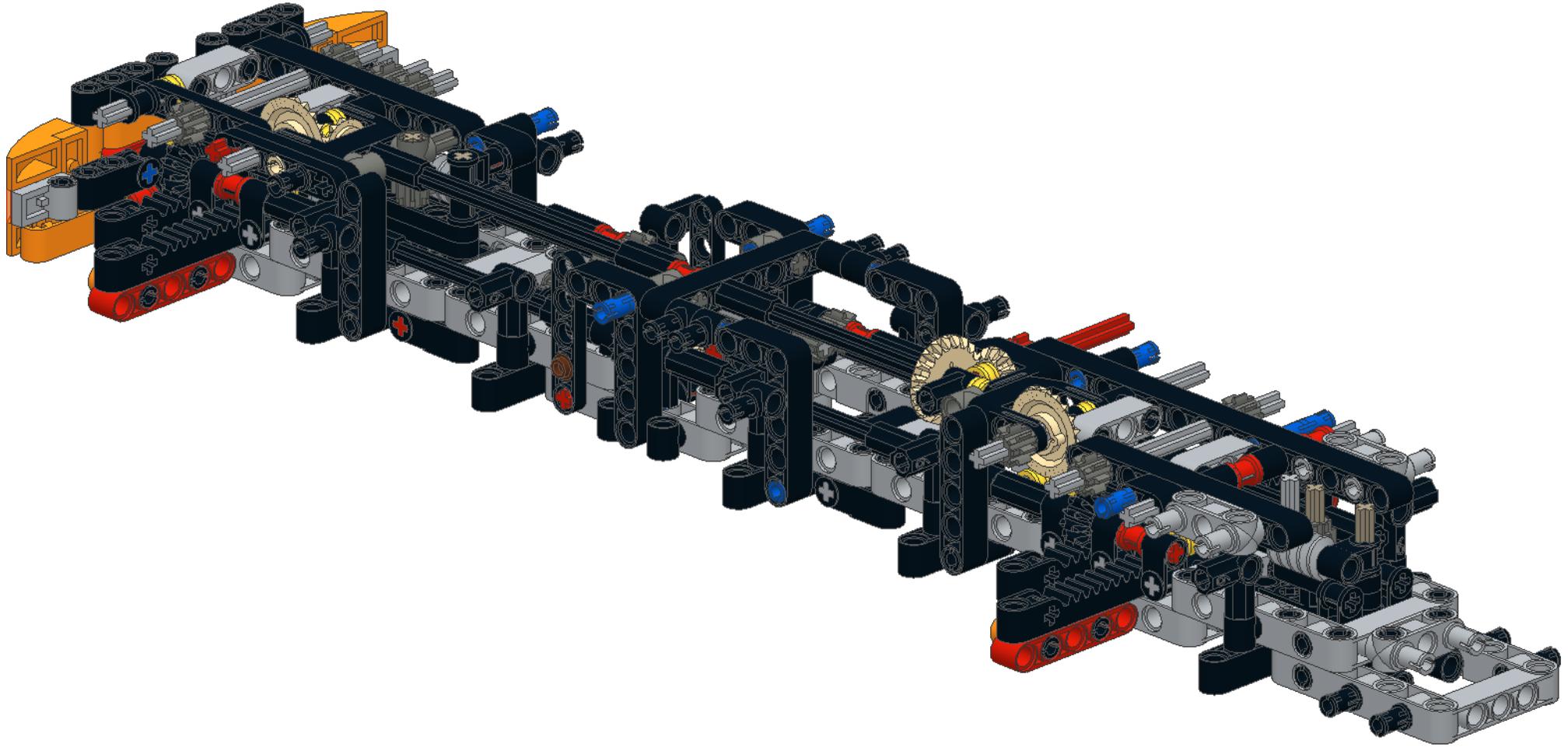
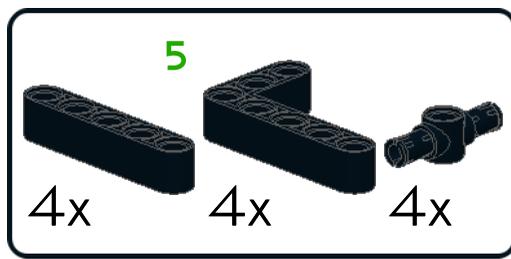


Parts list for step 33:

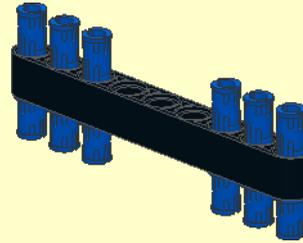
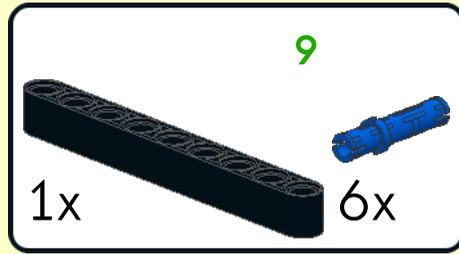
- 7x Grey Technic Axle
- 2x Grey Technic Axle
- 1x Black Technic Axle
- 9 Grey Technic Connector
- 2x Grey Technic Connector
- 1x Red Technic Pin
- 1x Grey Technic Pin
- 3 Grey Technic Pin



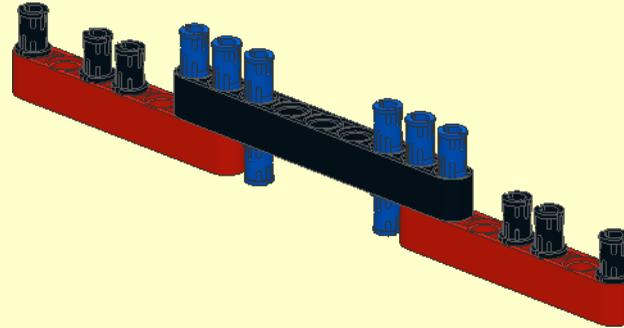
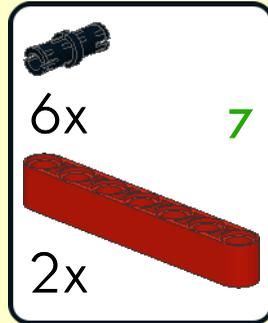
34



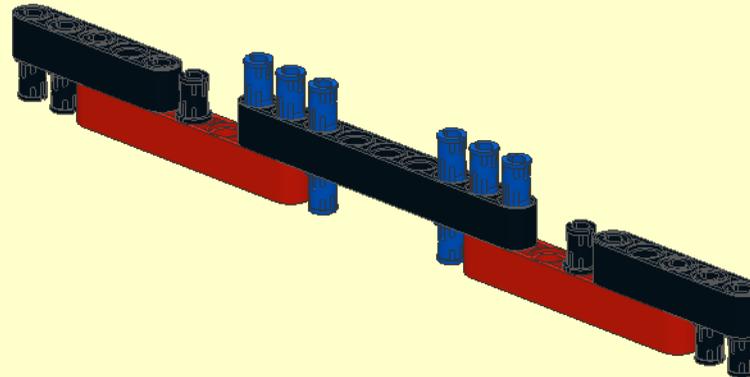
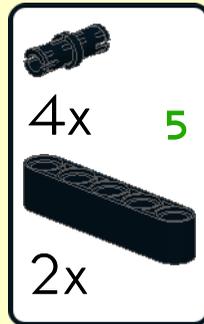
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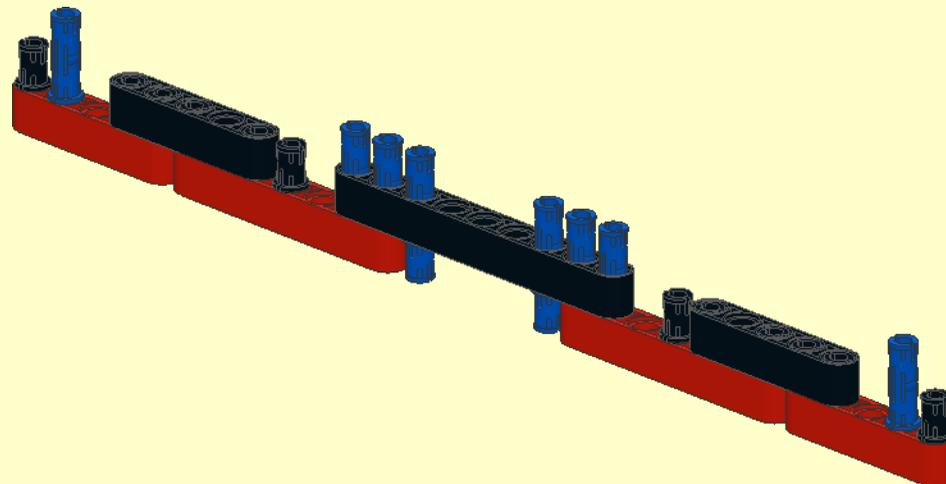
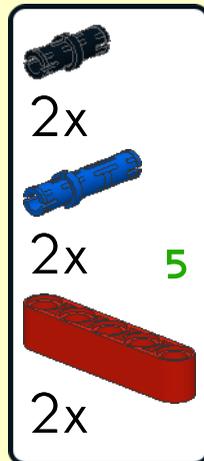
2



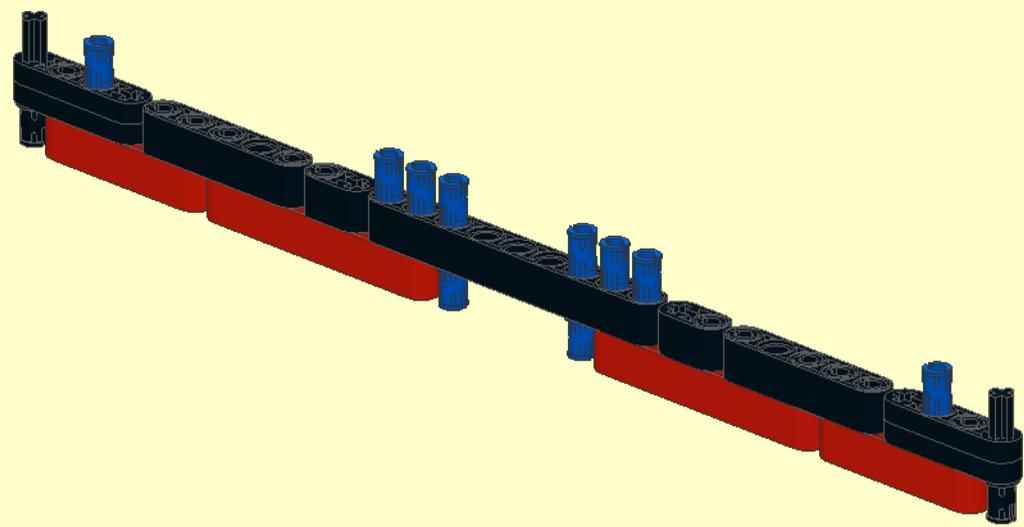
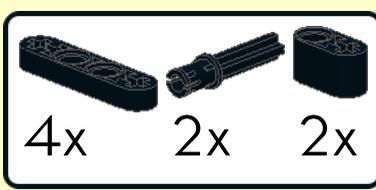
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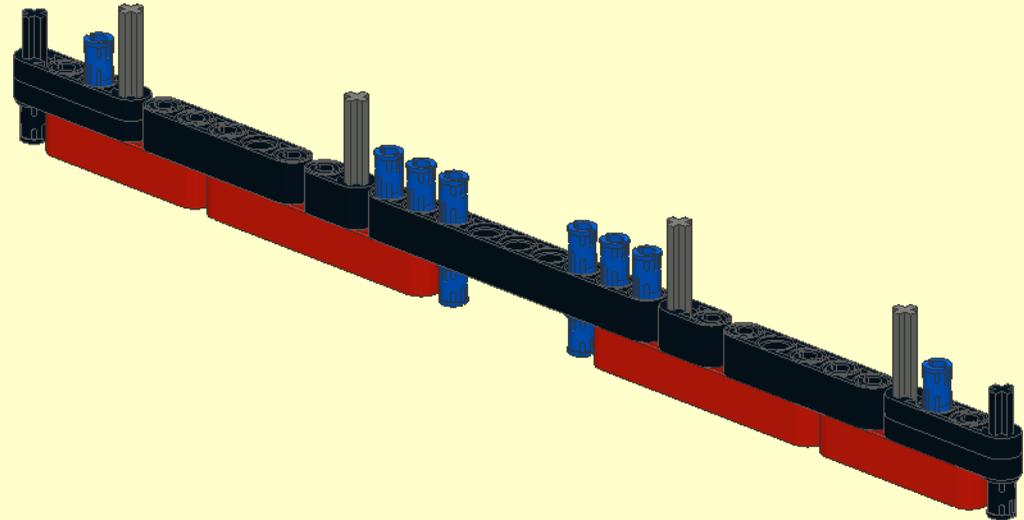
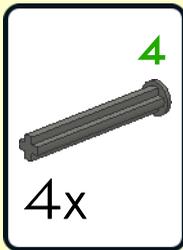
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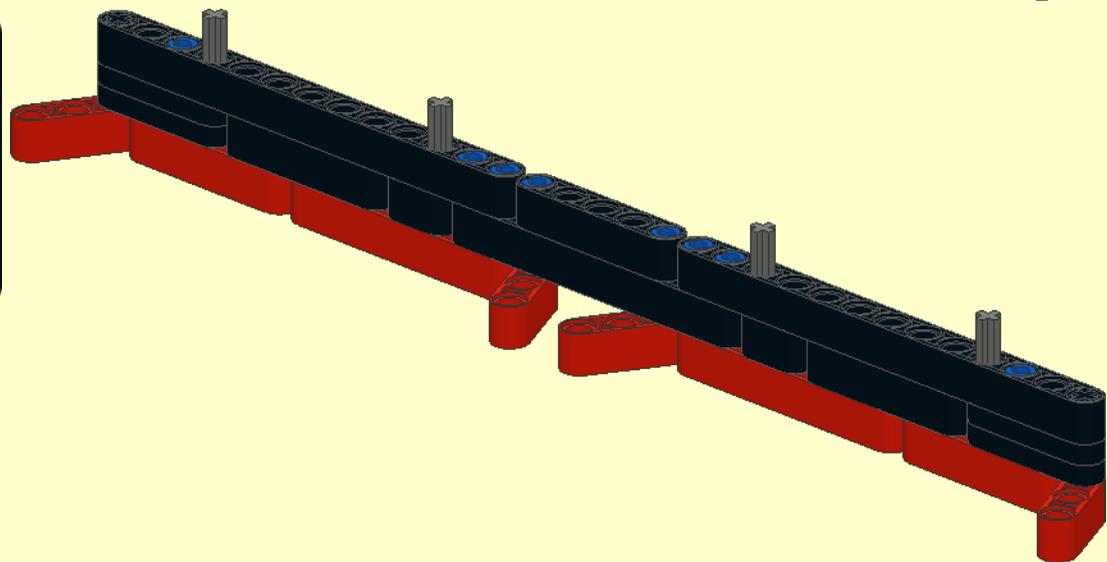
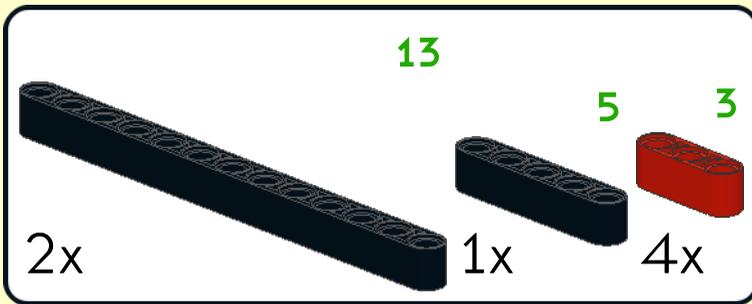
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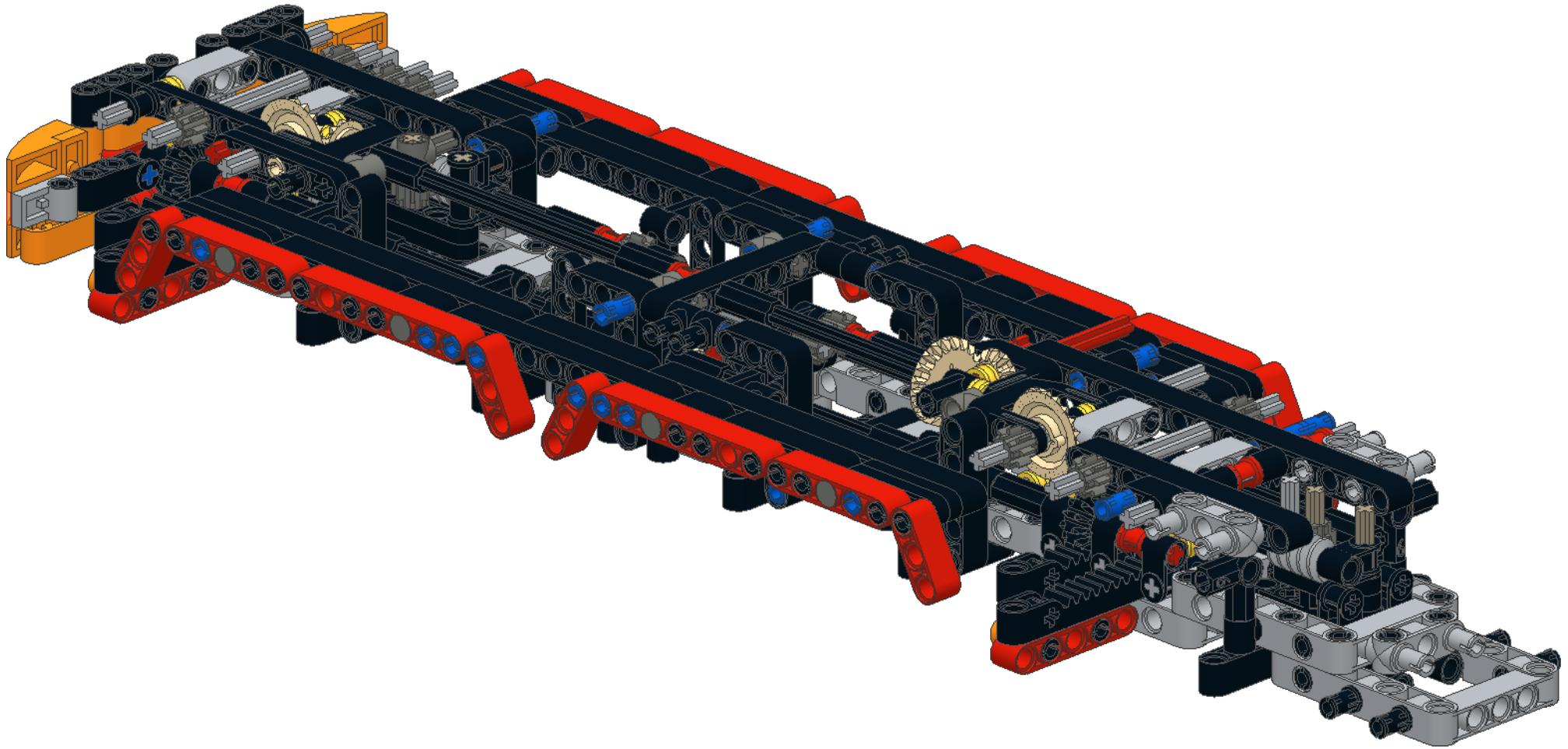
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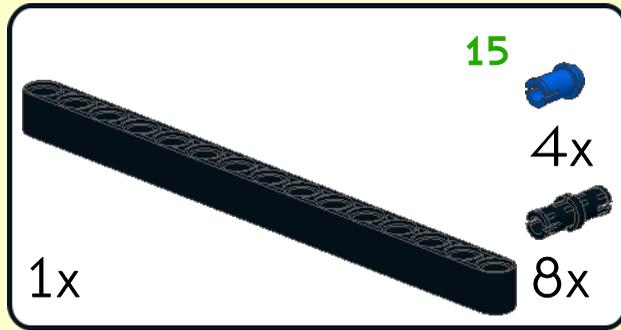
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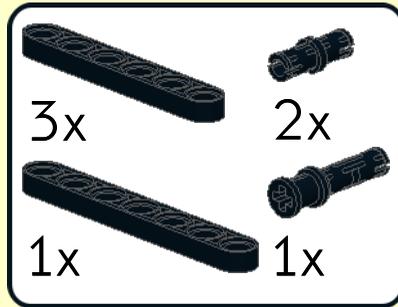
x2



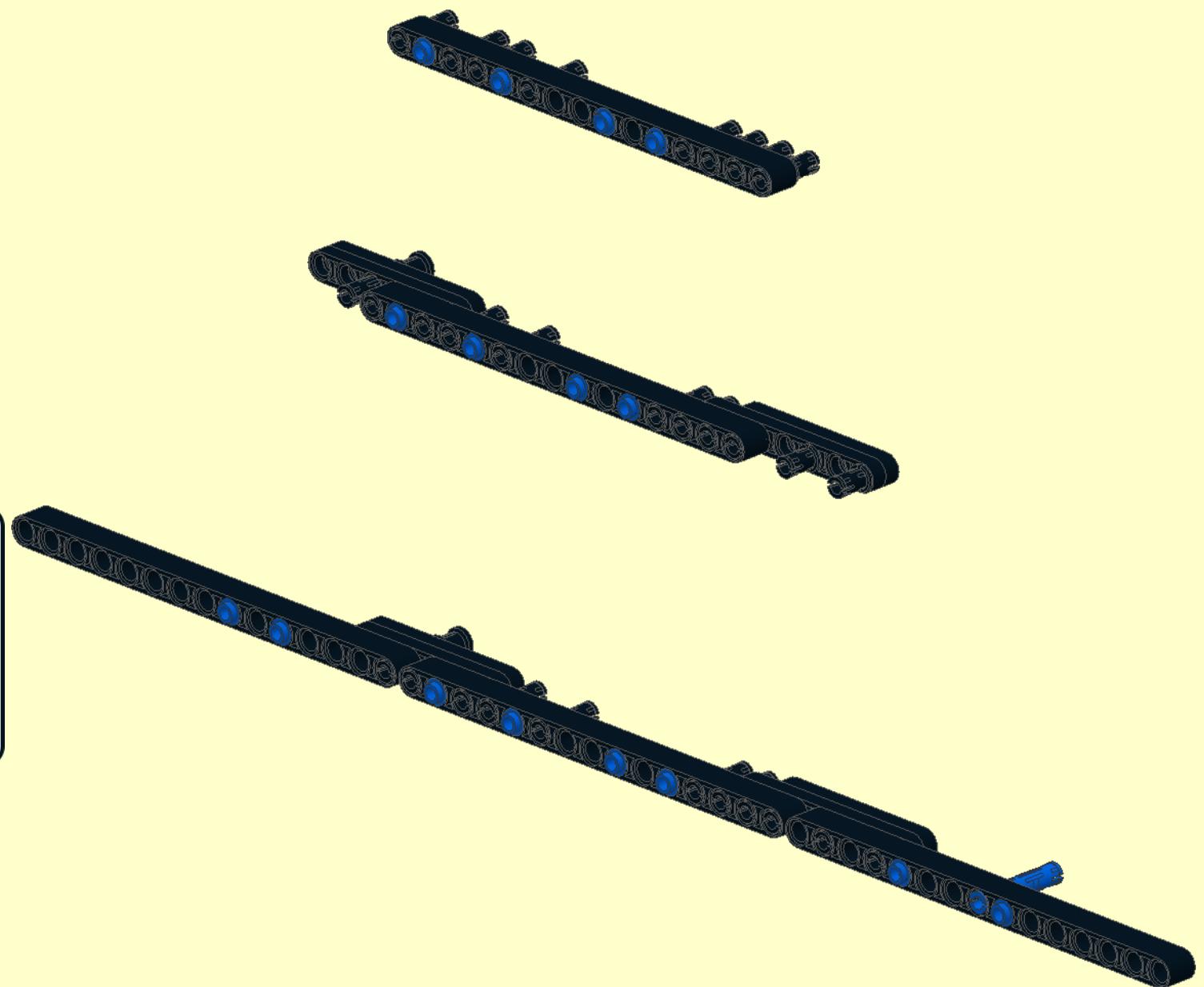
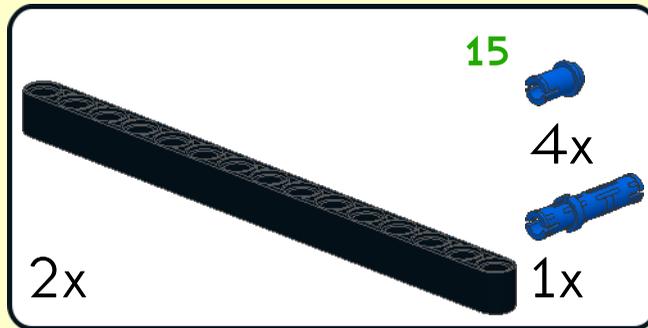
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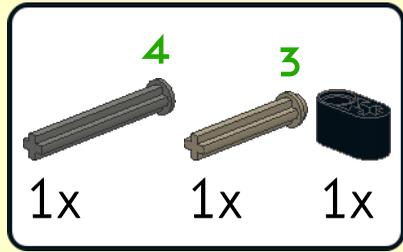
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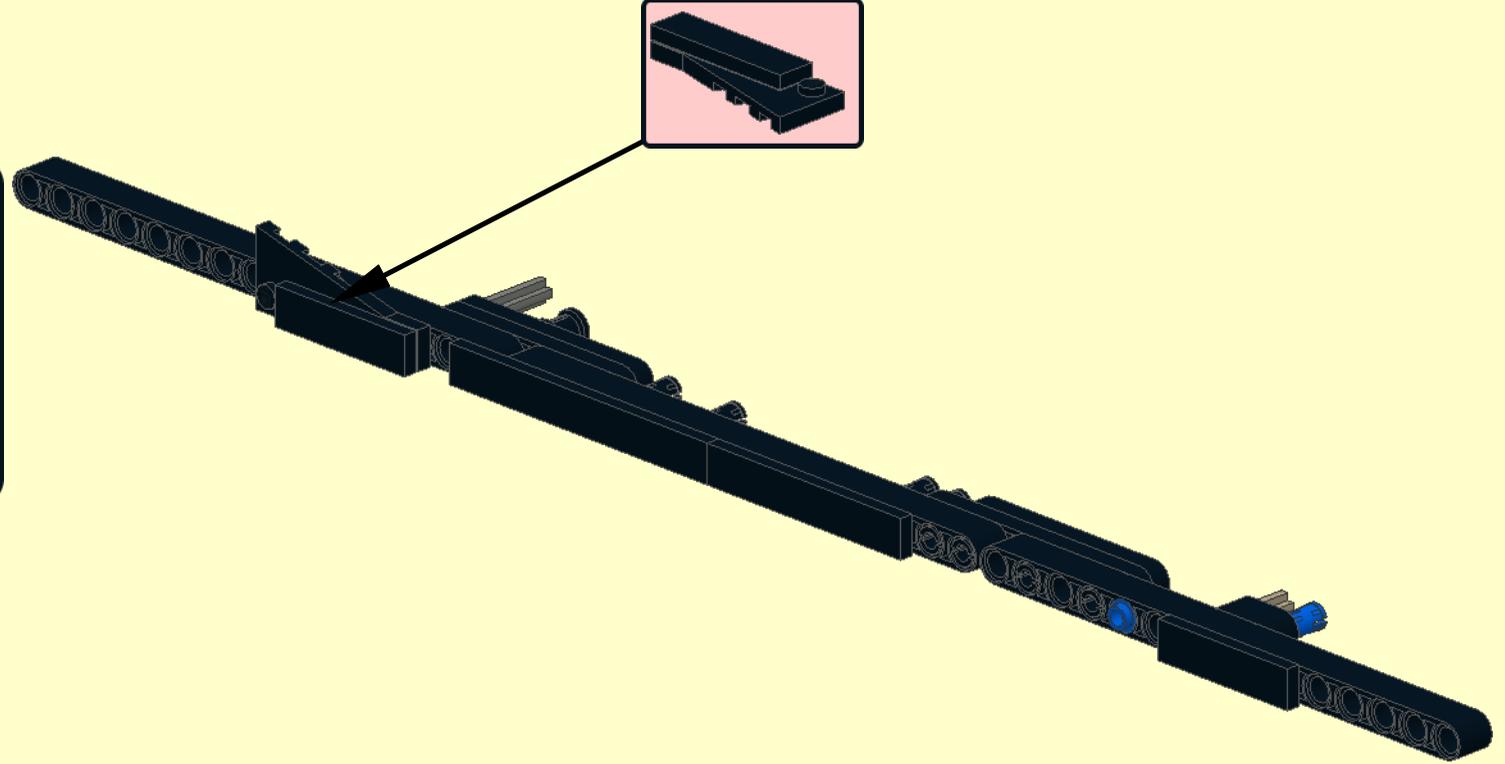
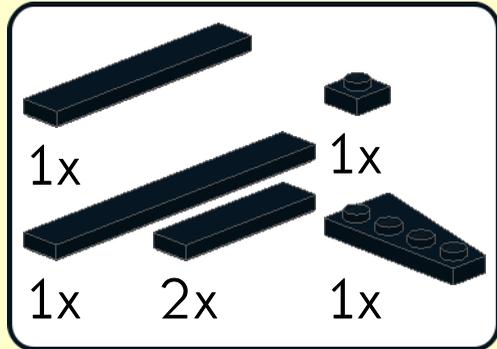
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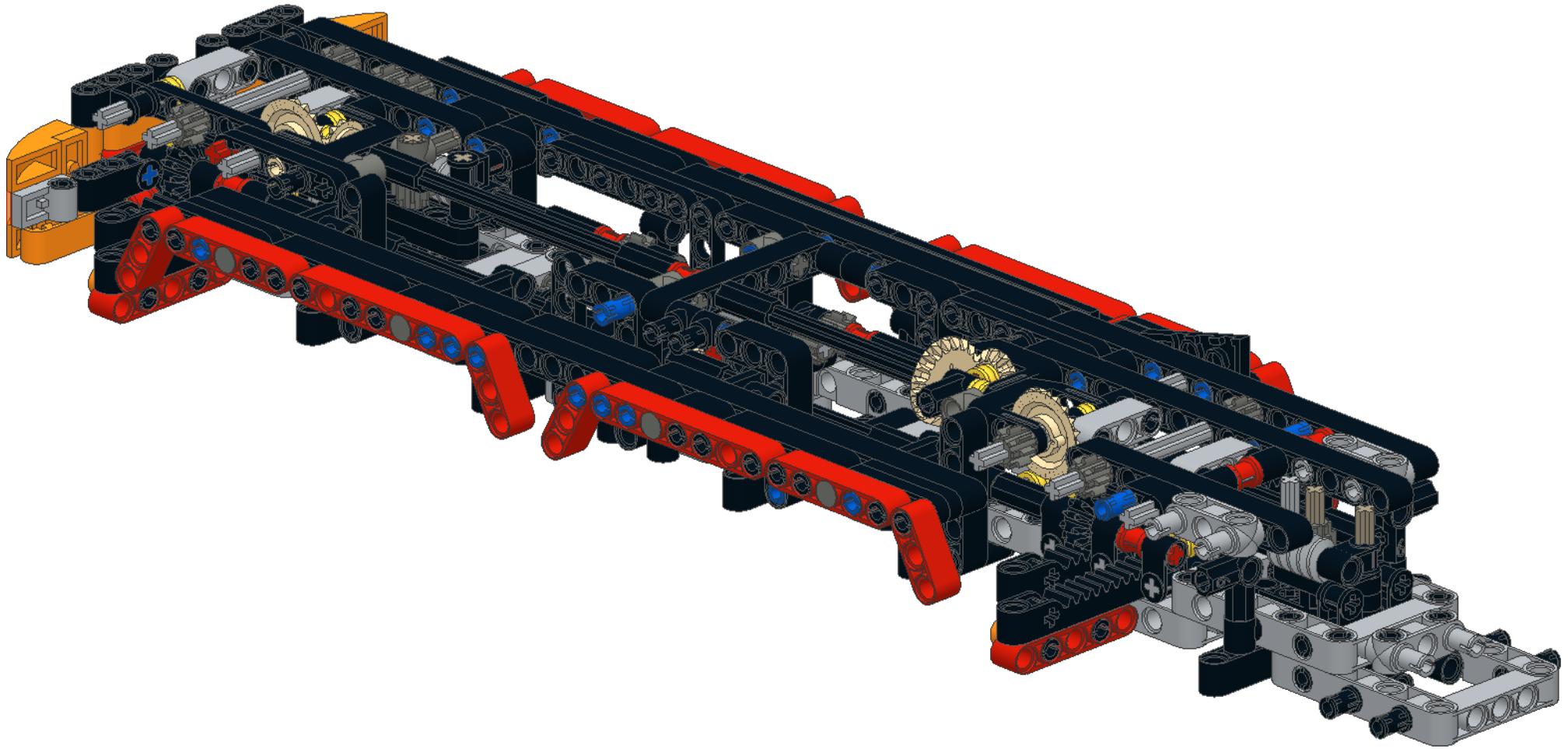


4

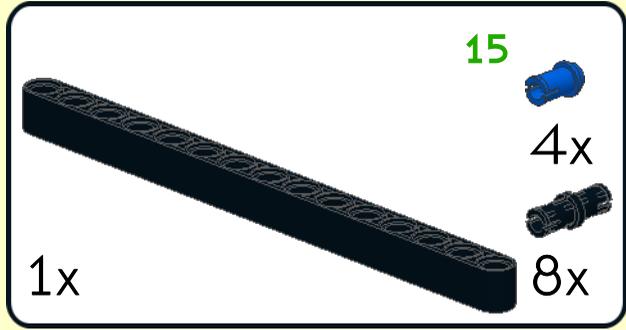


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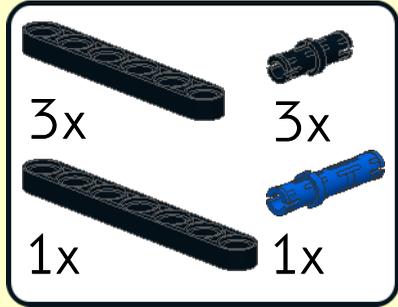




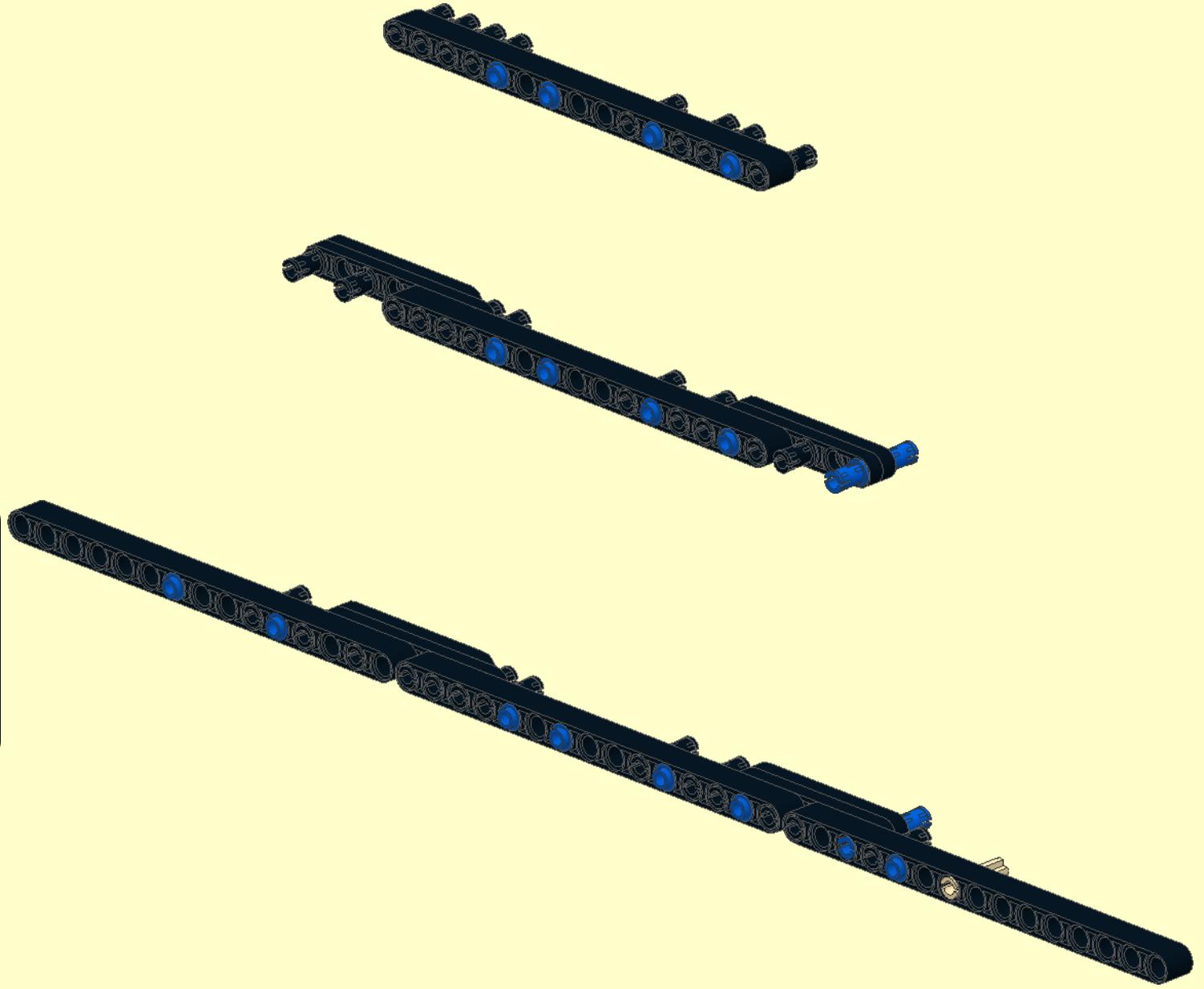
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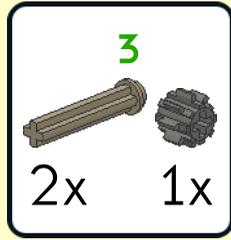
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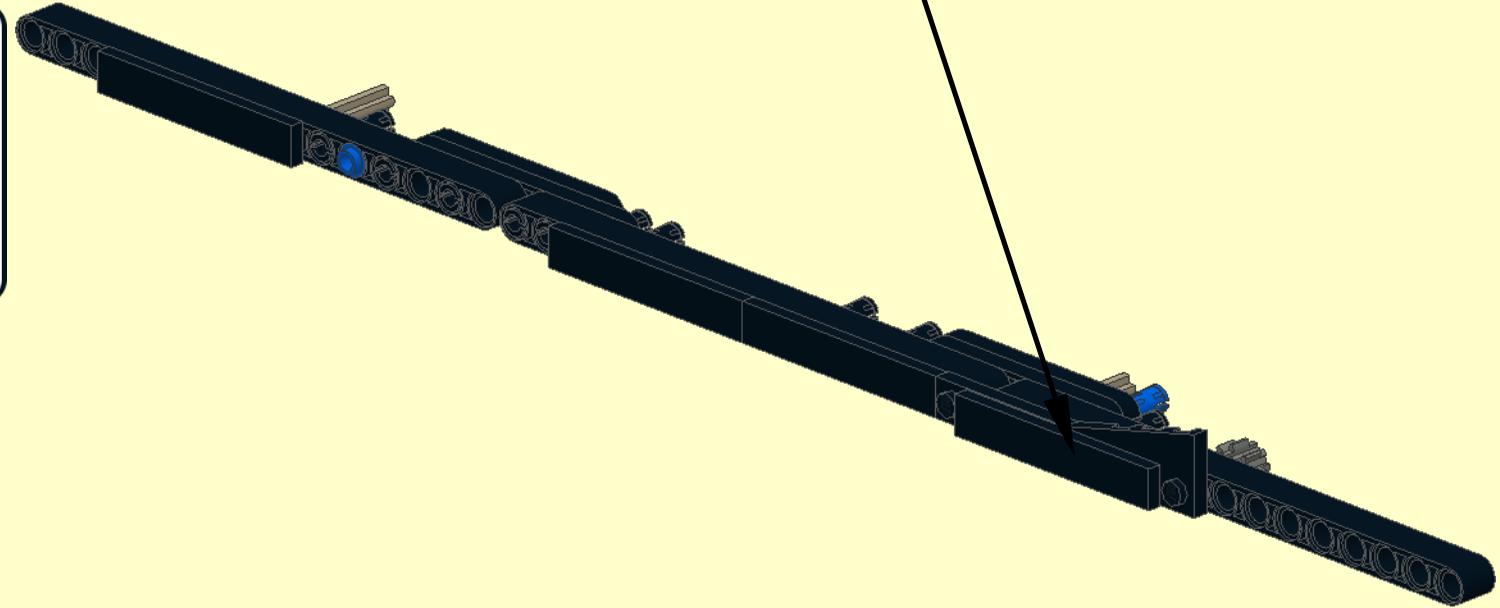
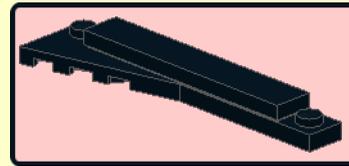
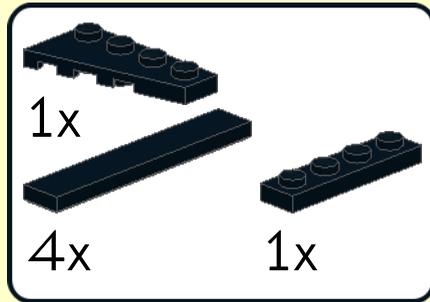
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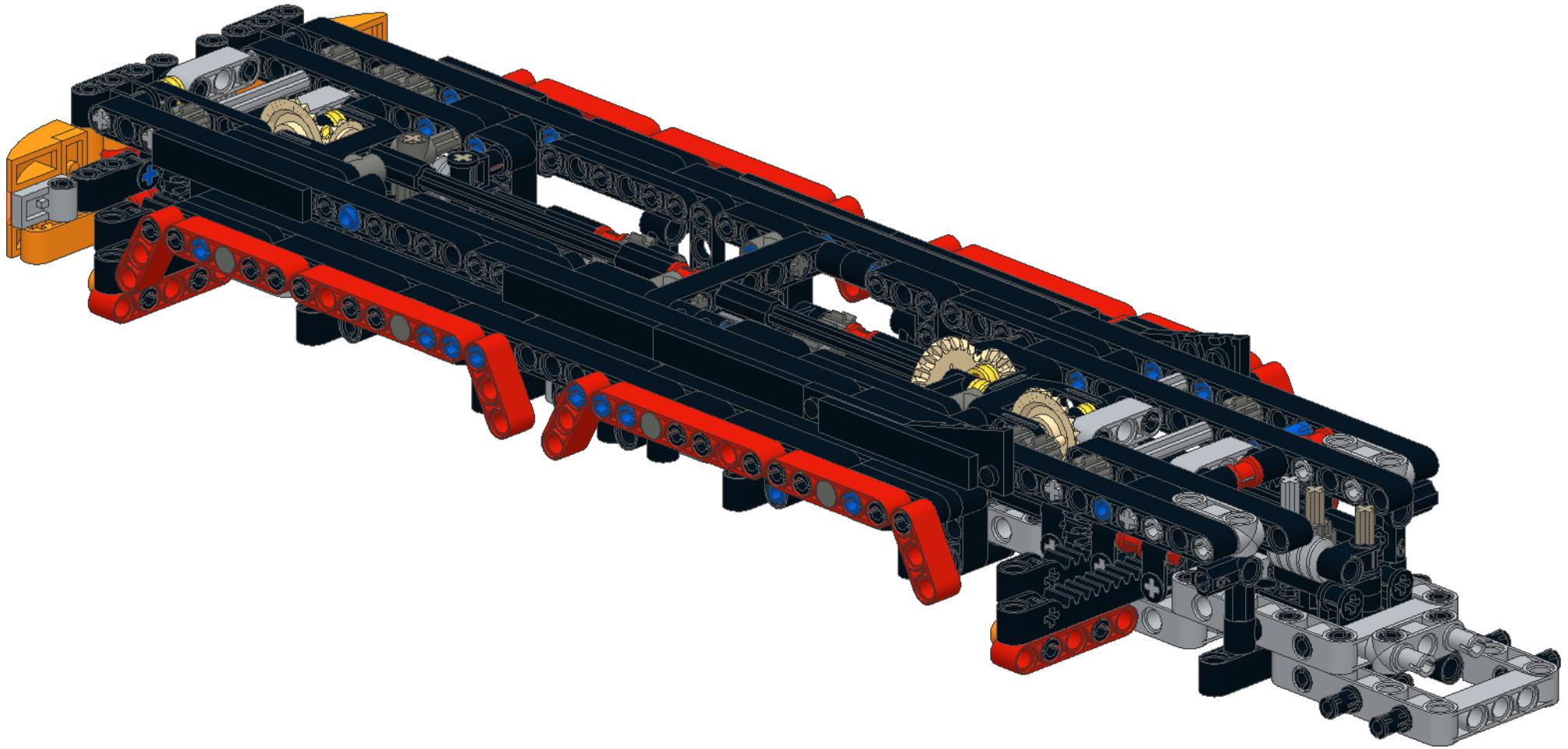


4



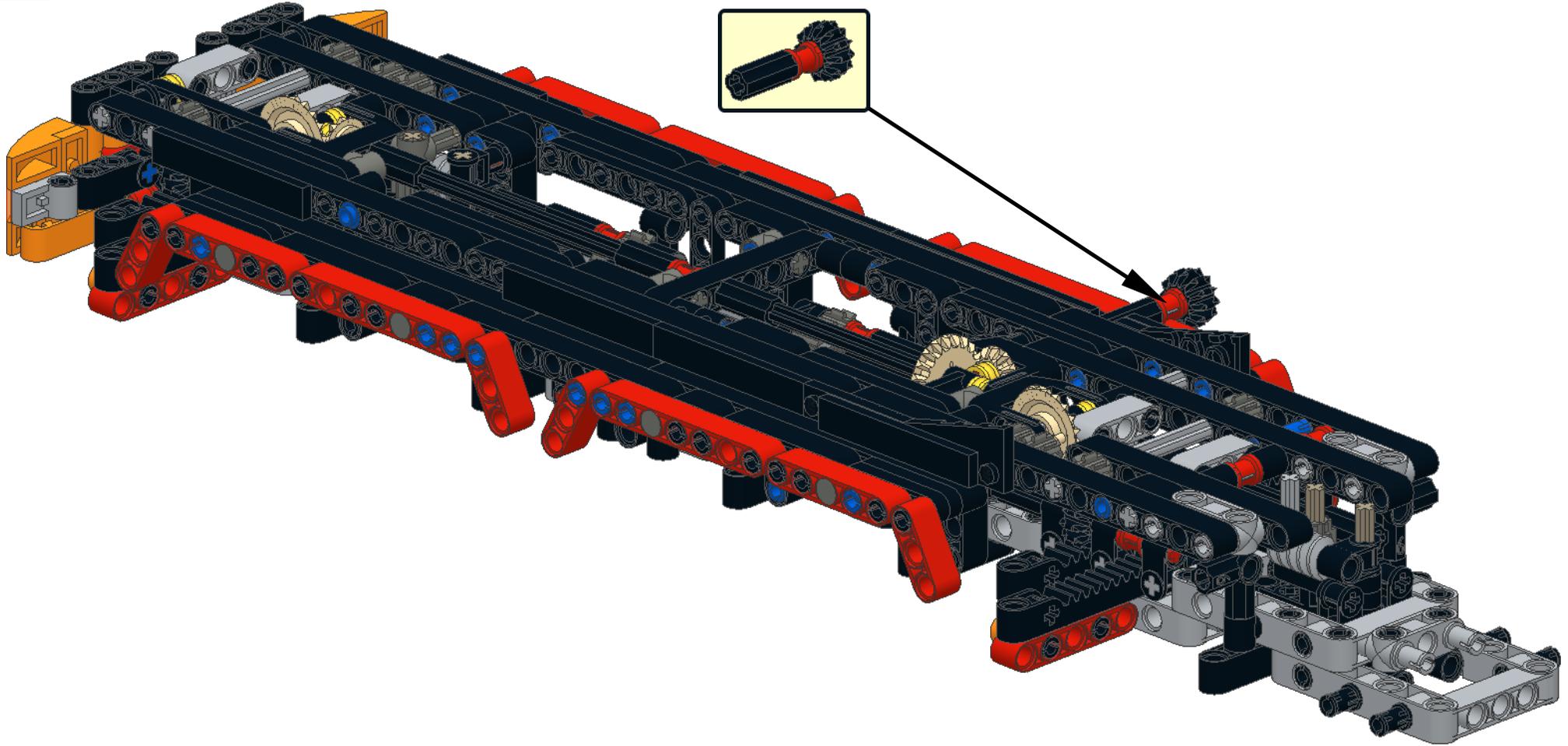
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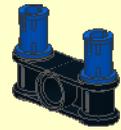
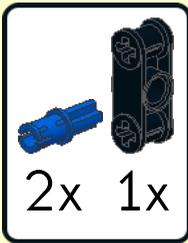


38

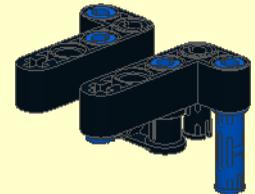
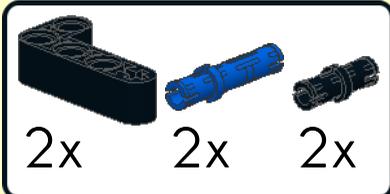
- 1x  1x 
- 1x  3 
- 1x  1x 
- 1x  1x 



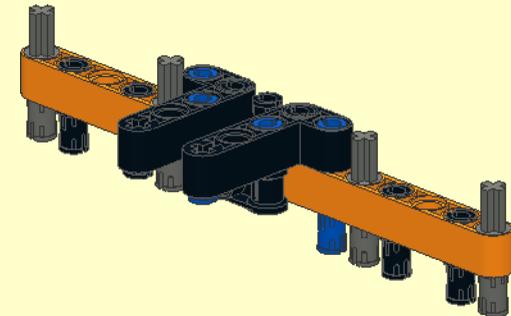
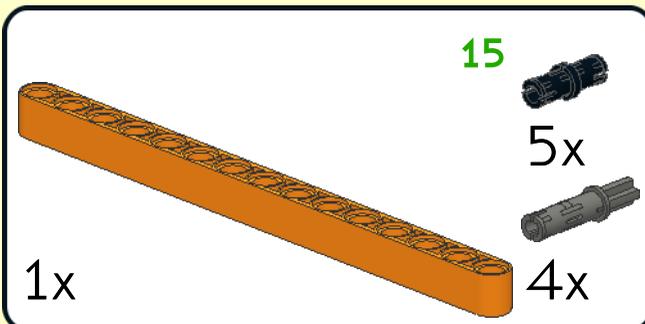
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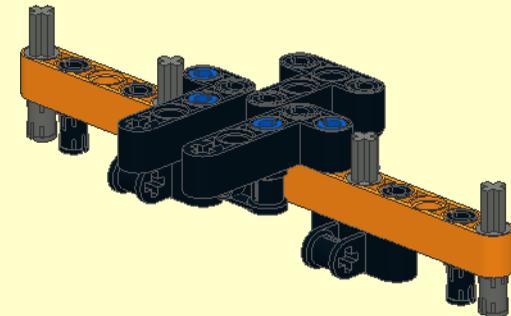
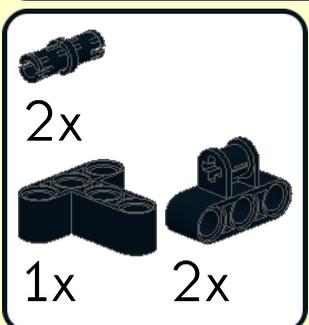
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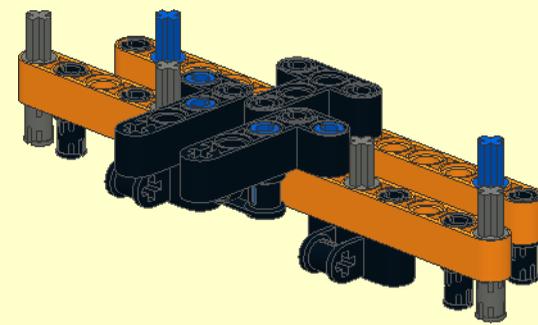
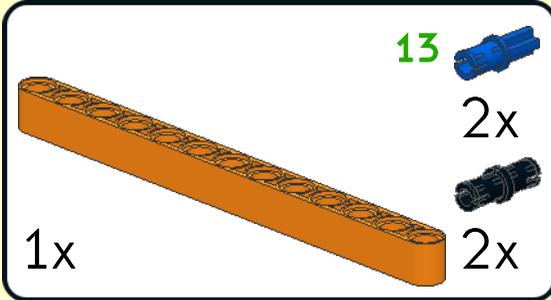
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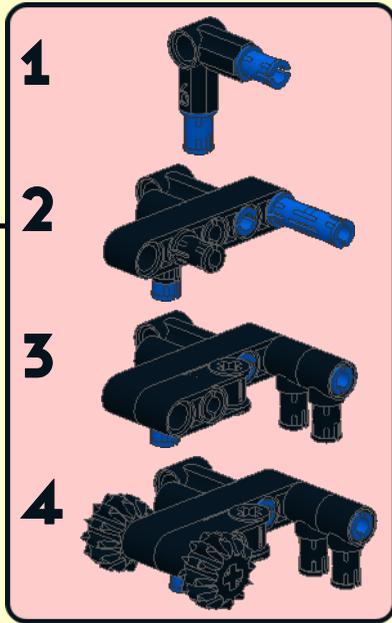
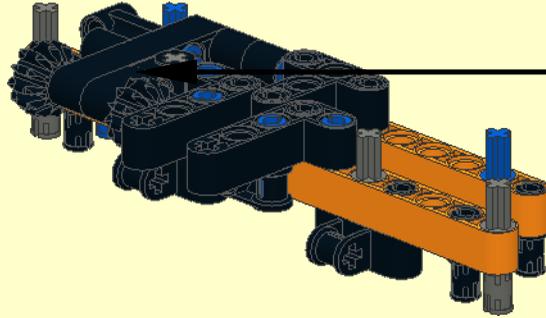
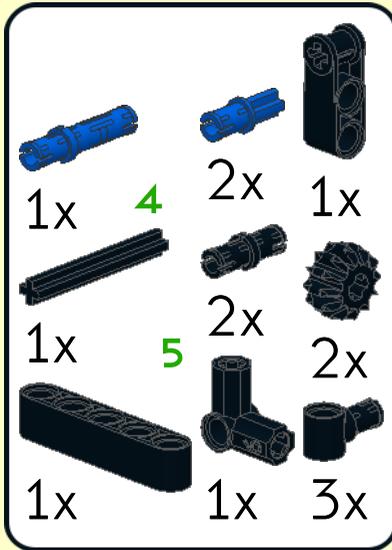
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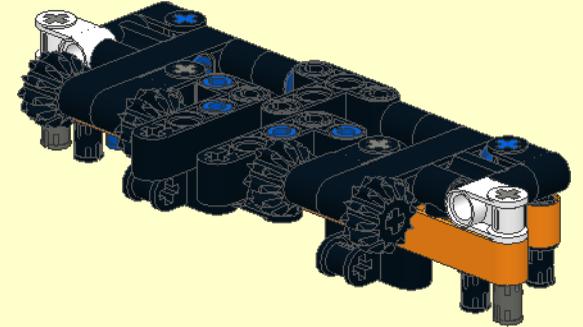
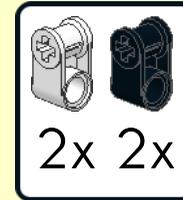
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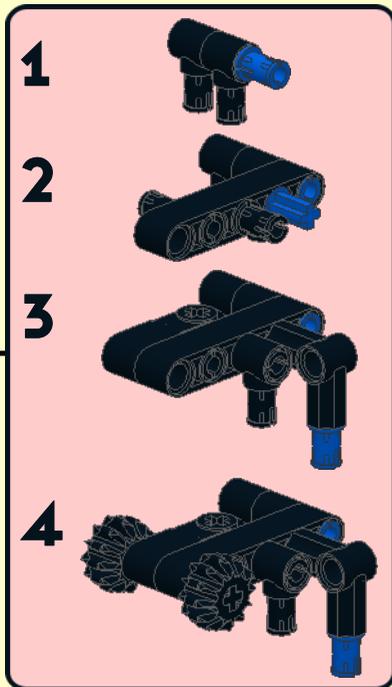
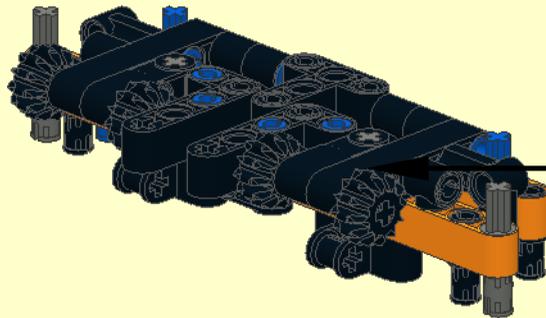
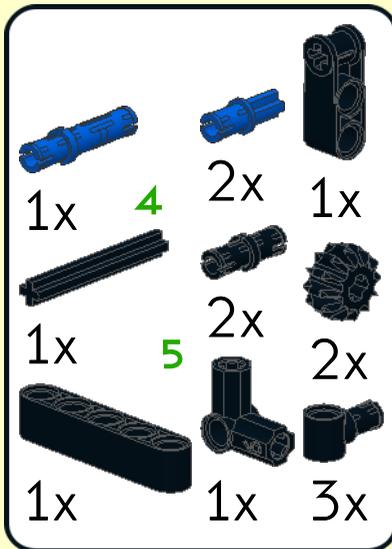
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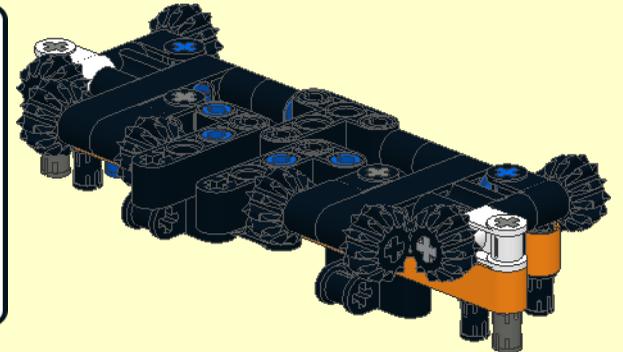
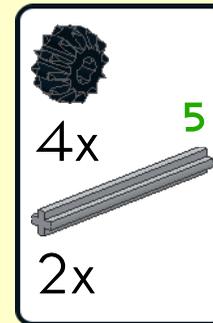
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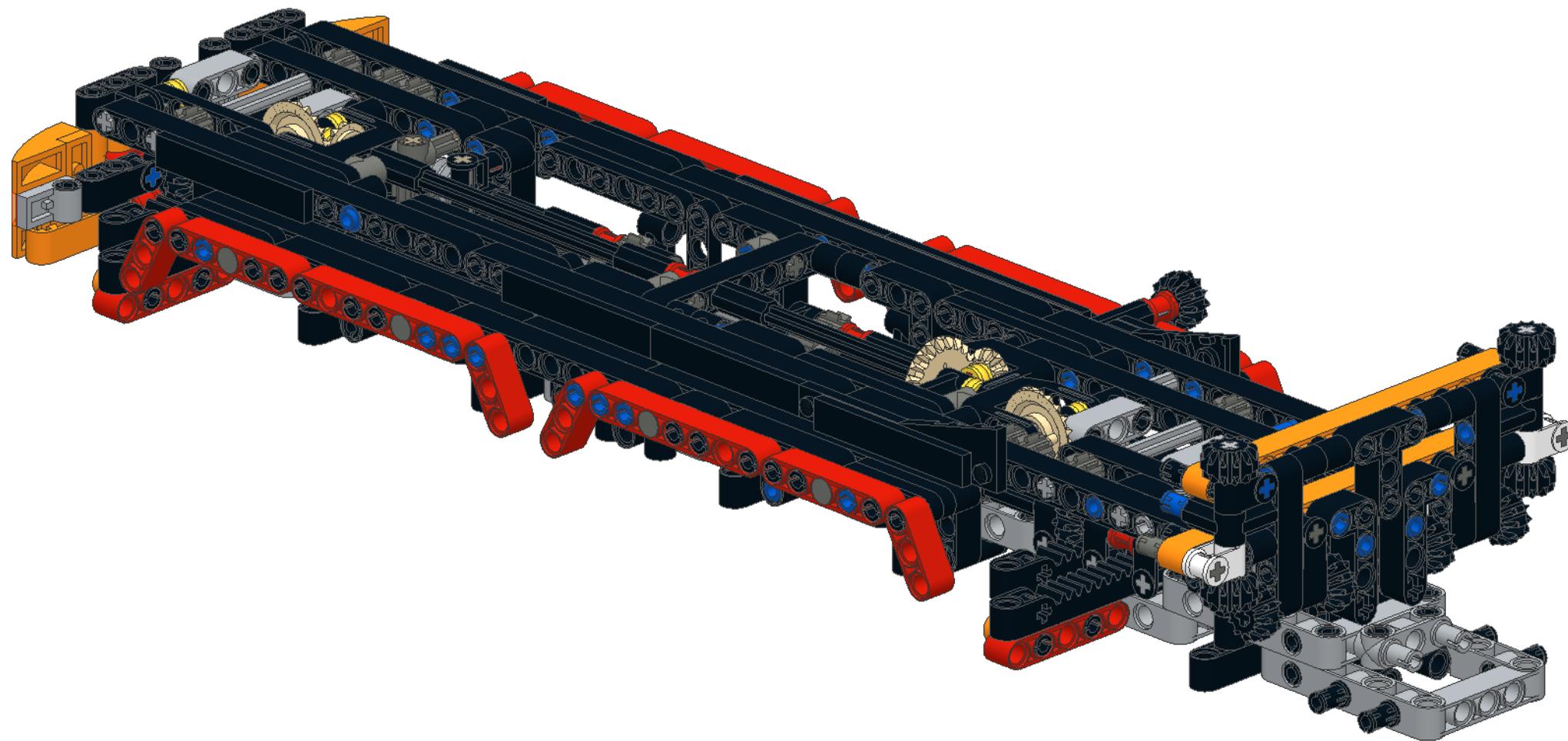


7

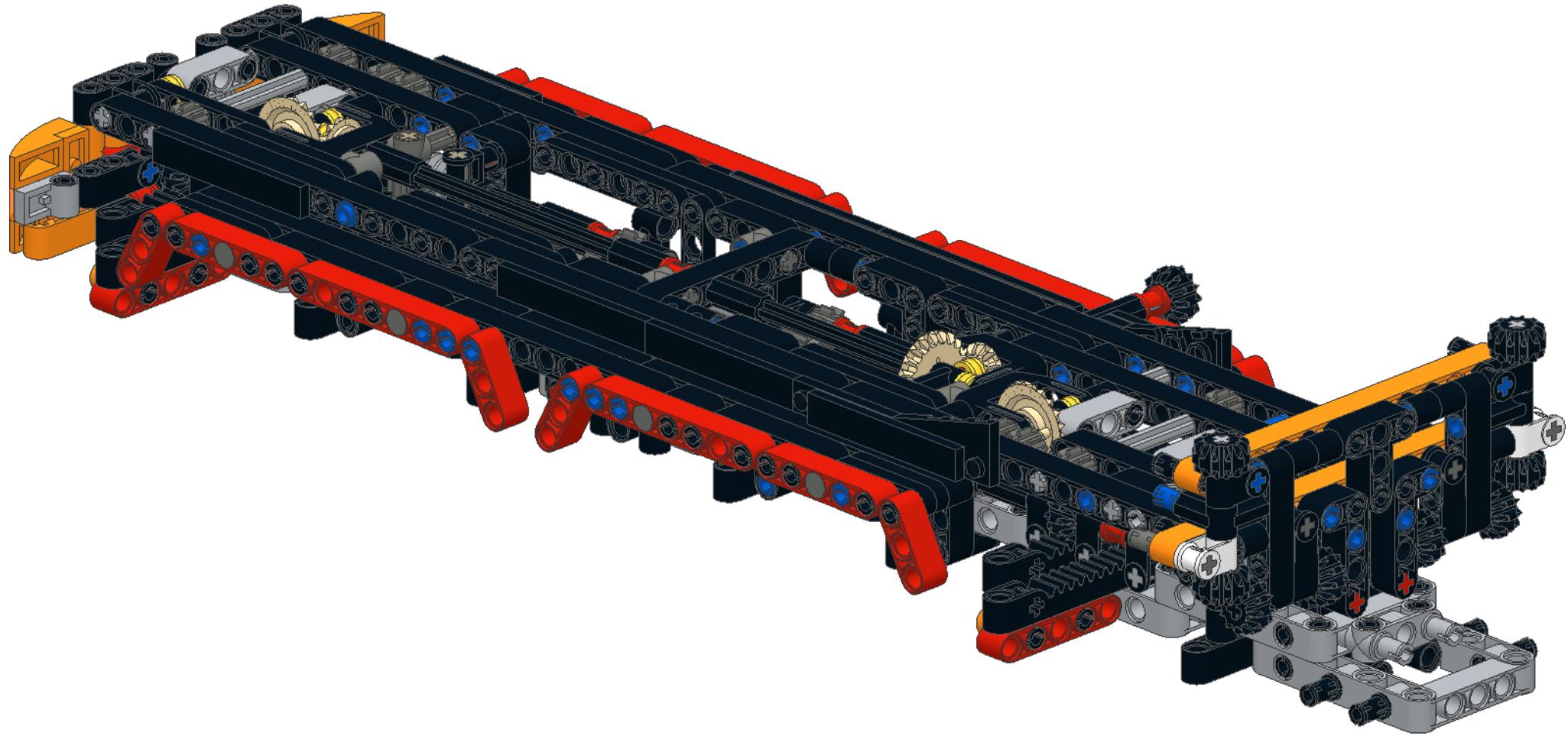


9

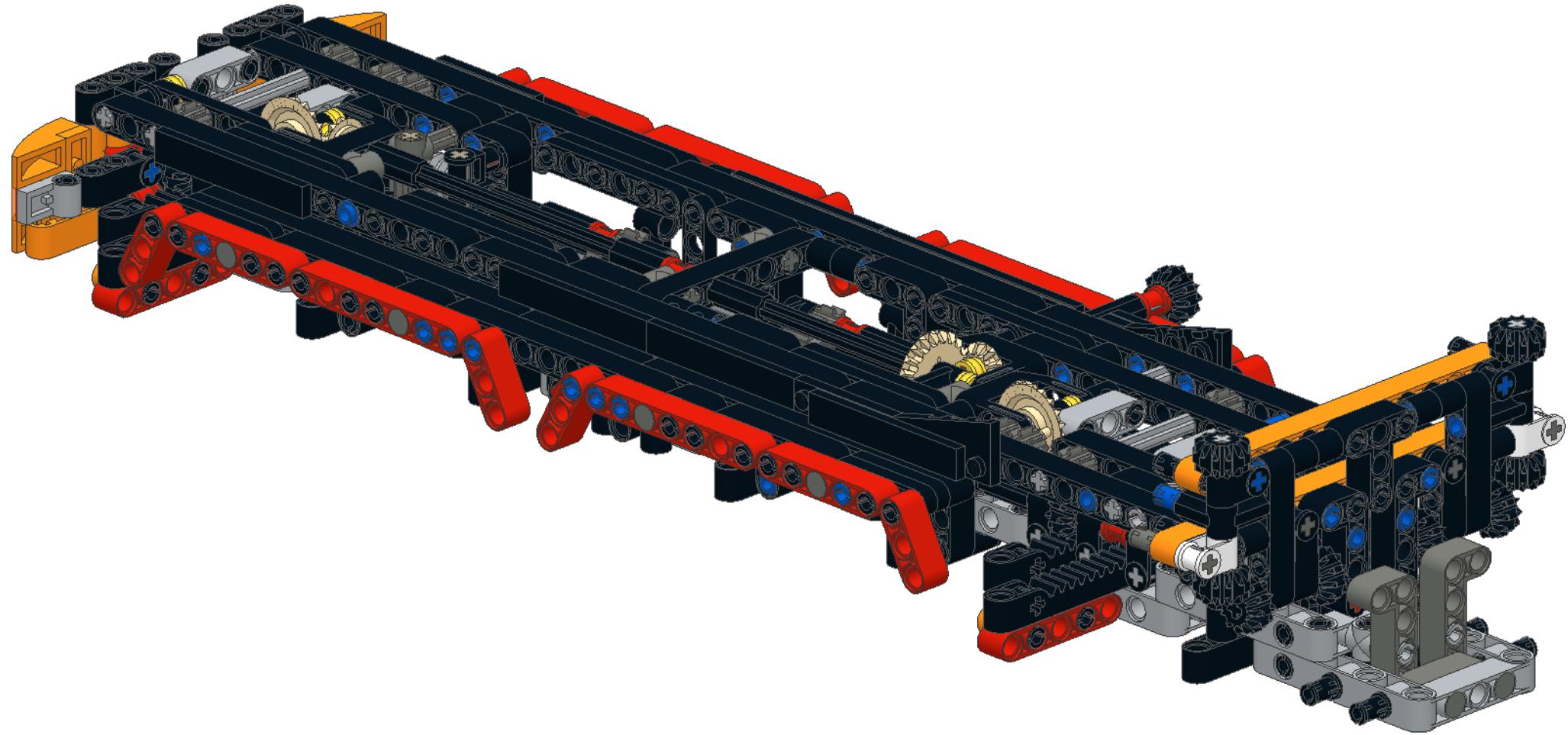
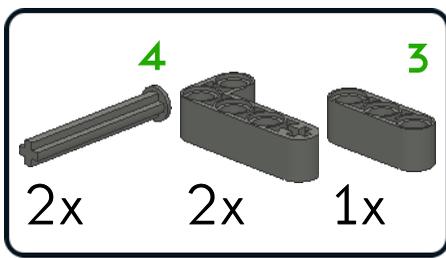




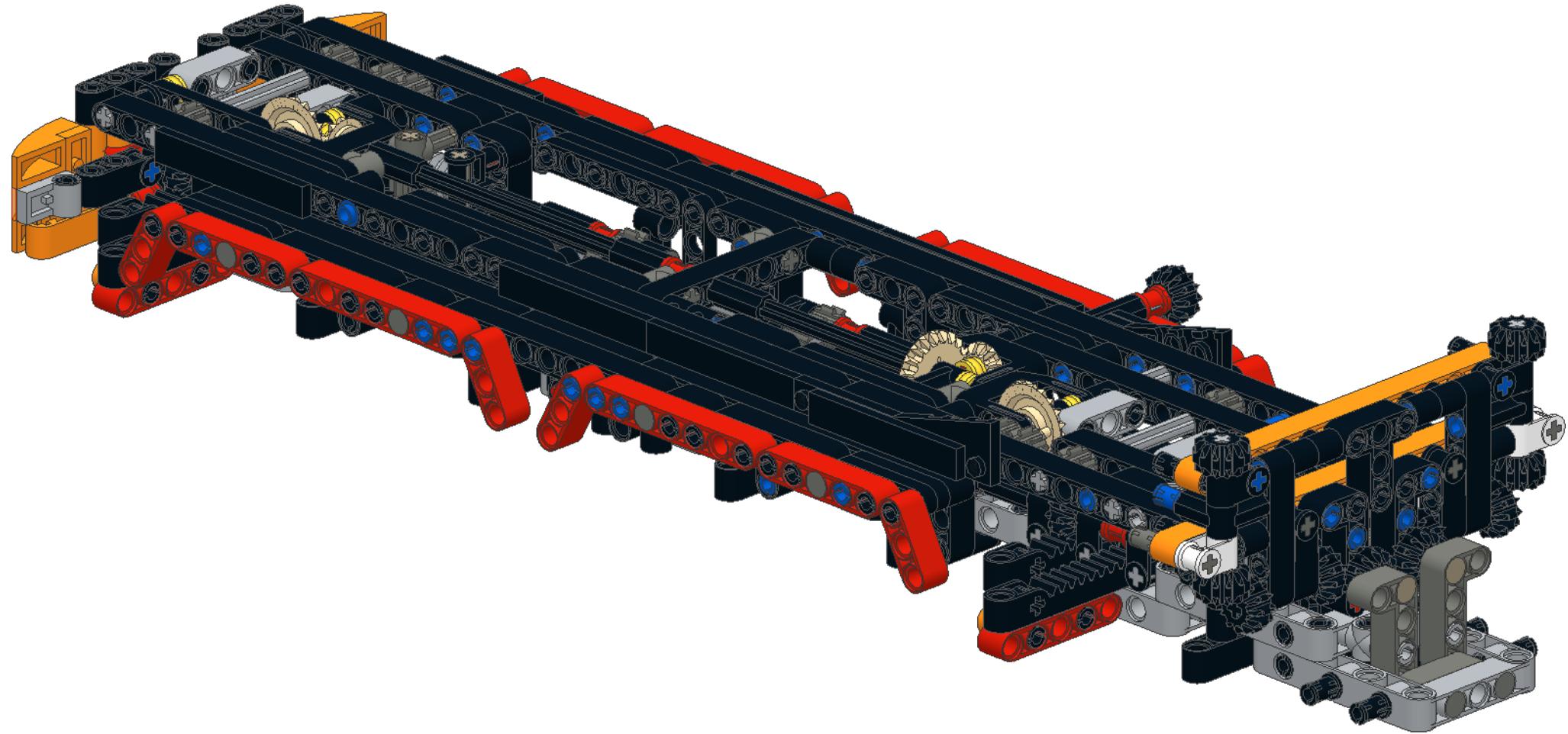
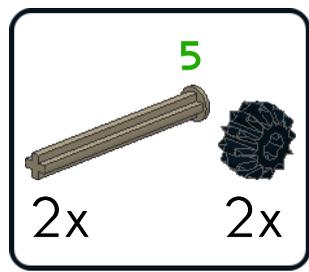
40



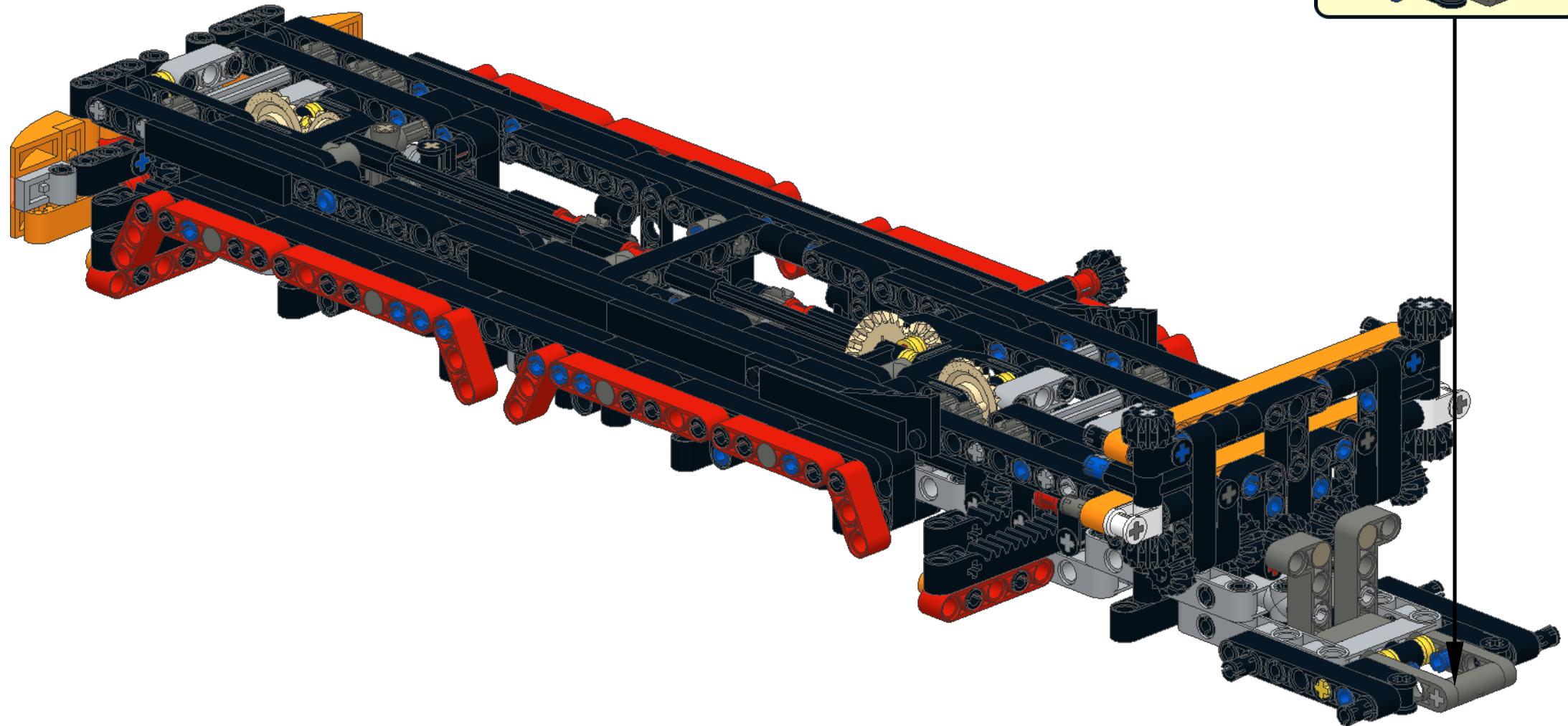
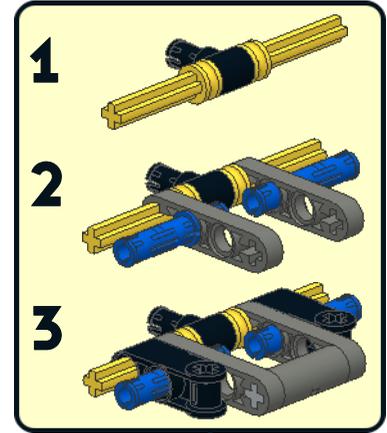
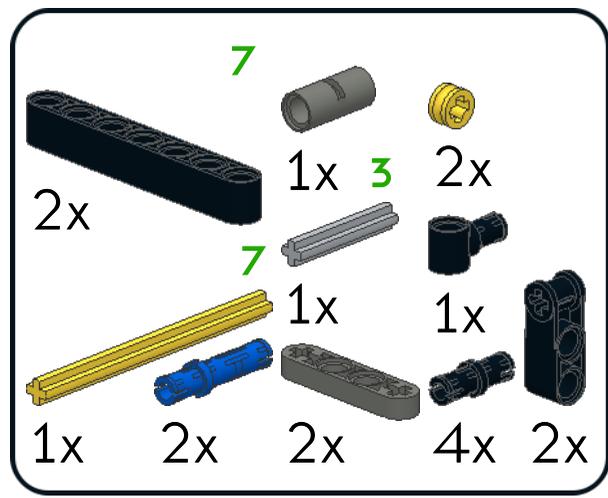
41



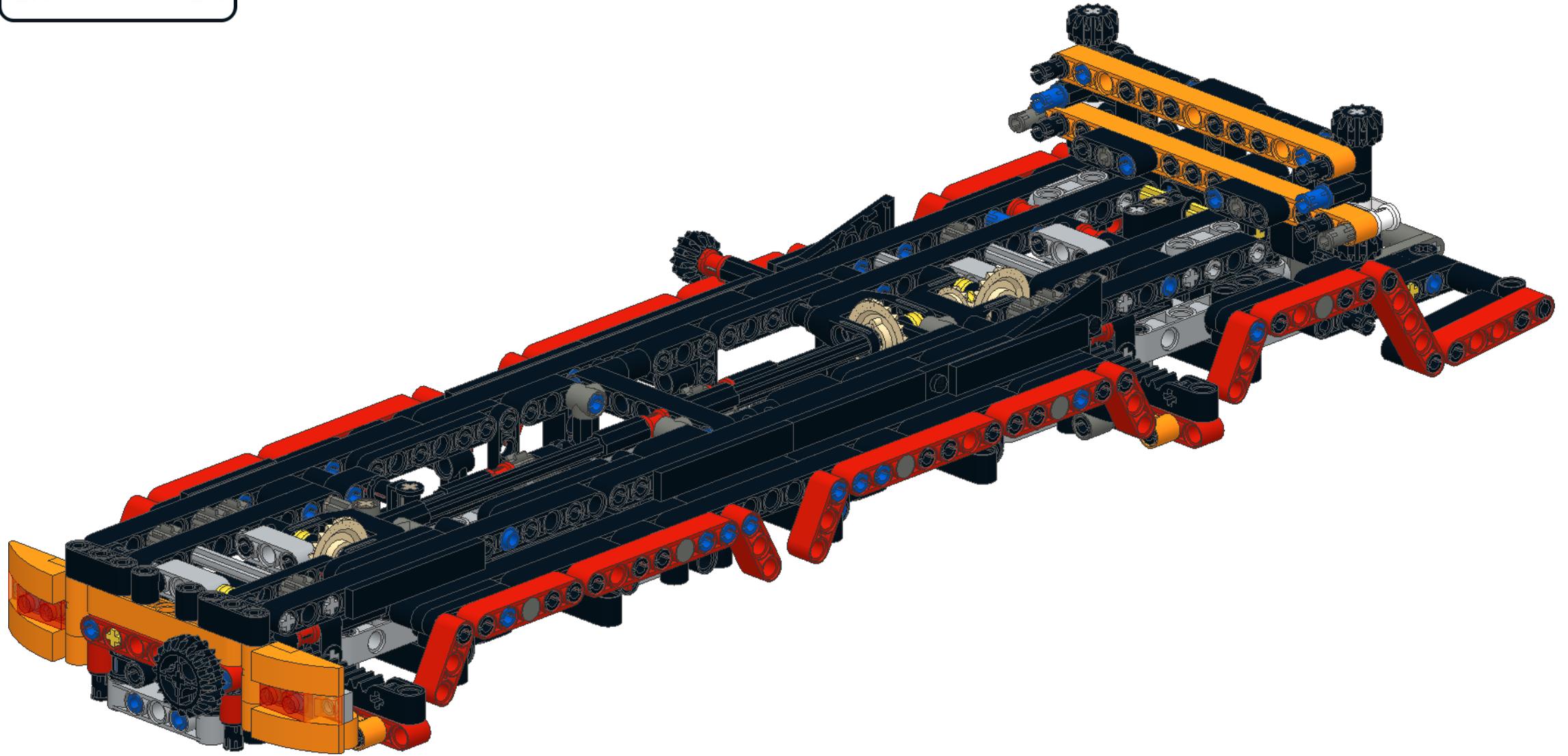
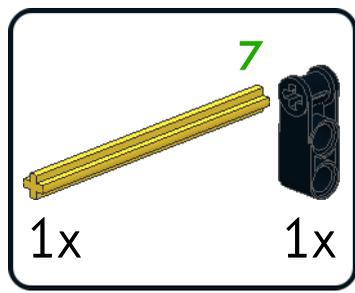
42



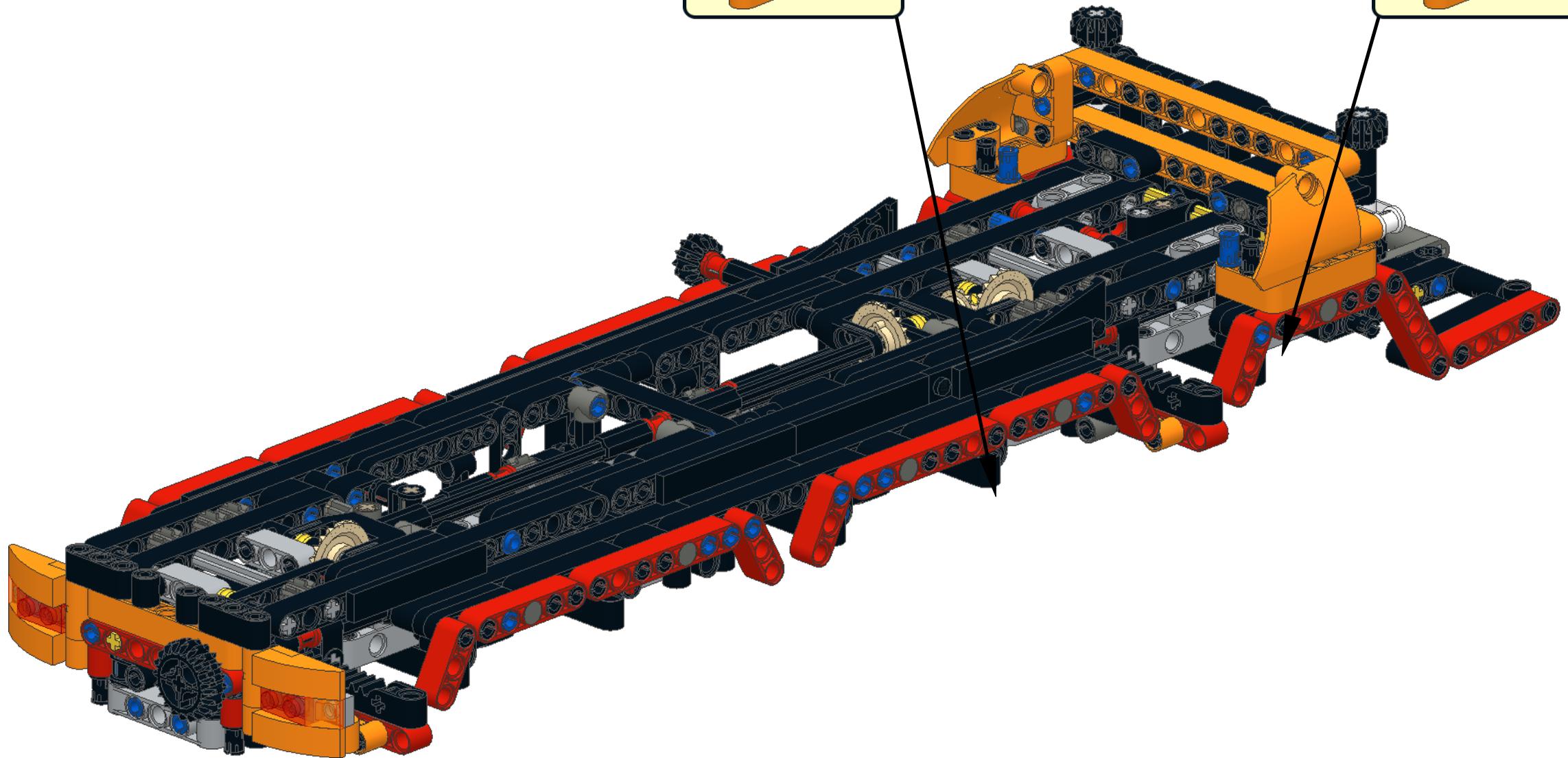
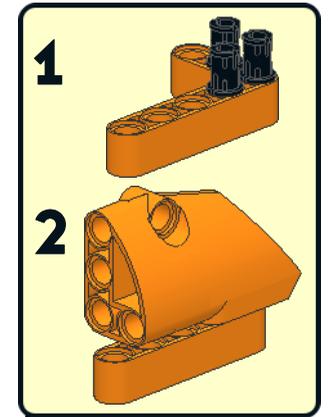
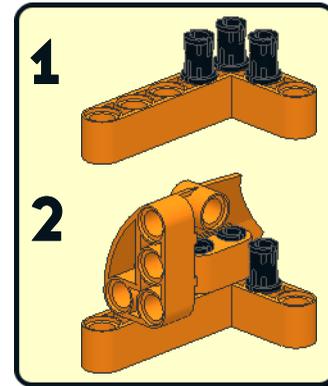
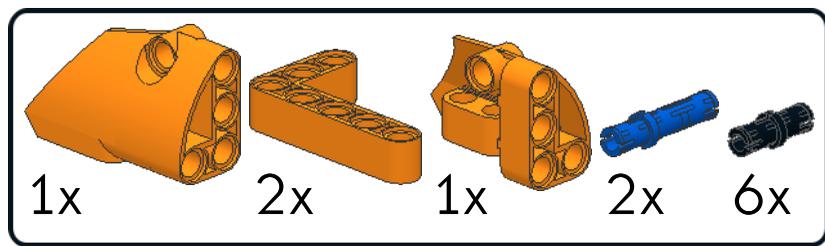
43



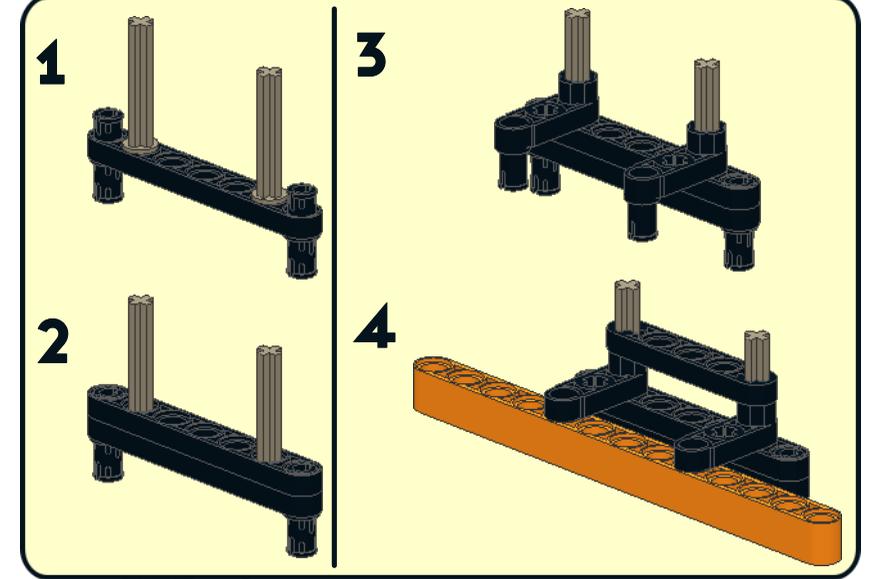
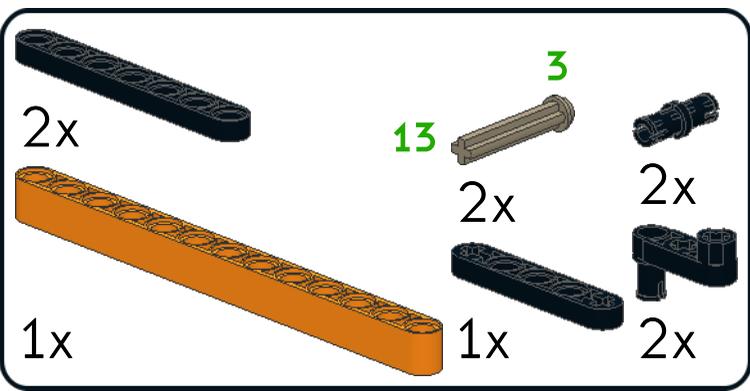
46



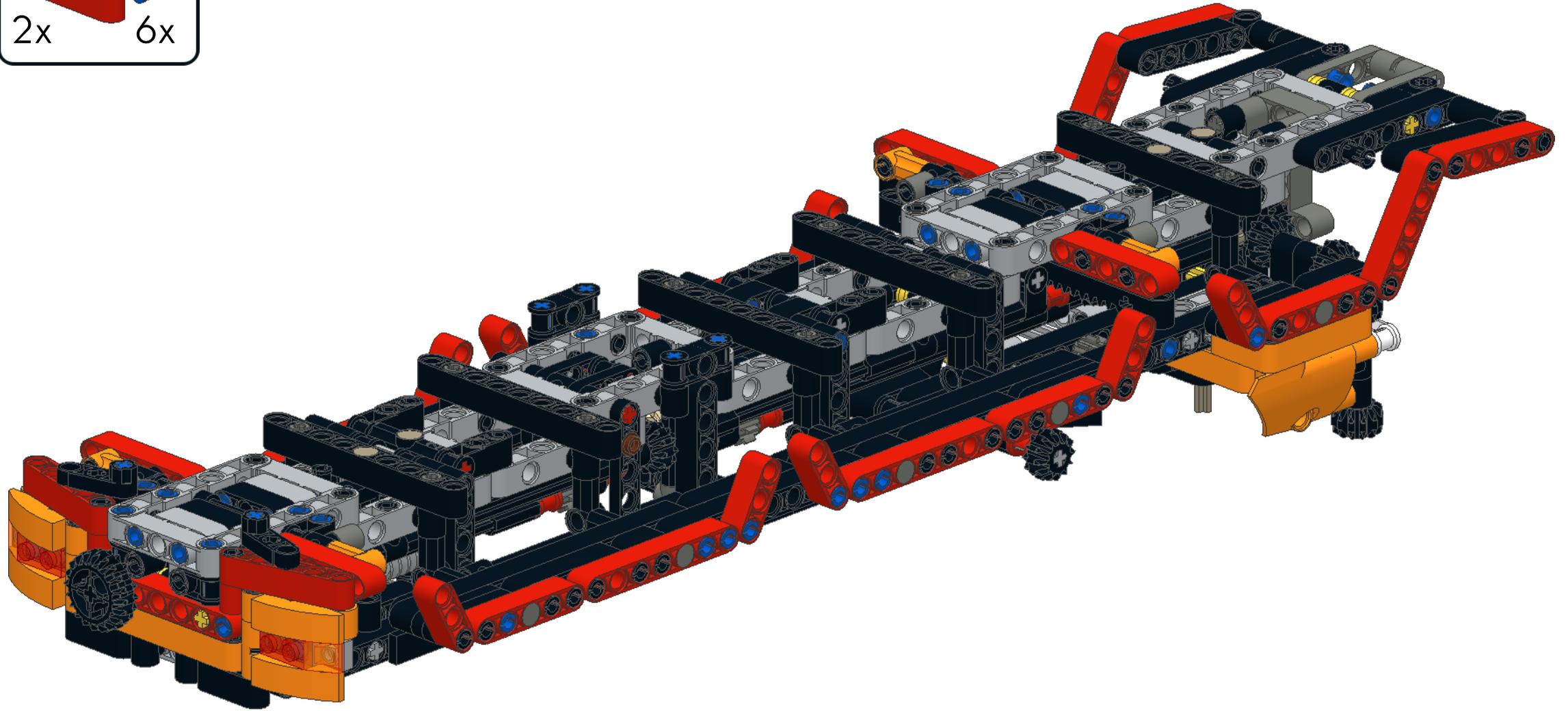
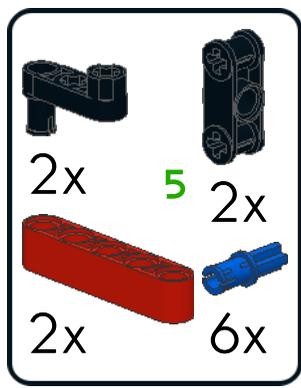
47



48

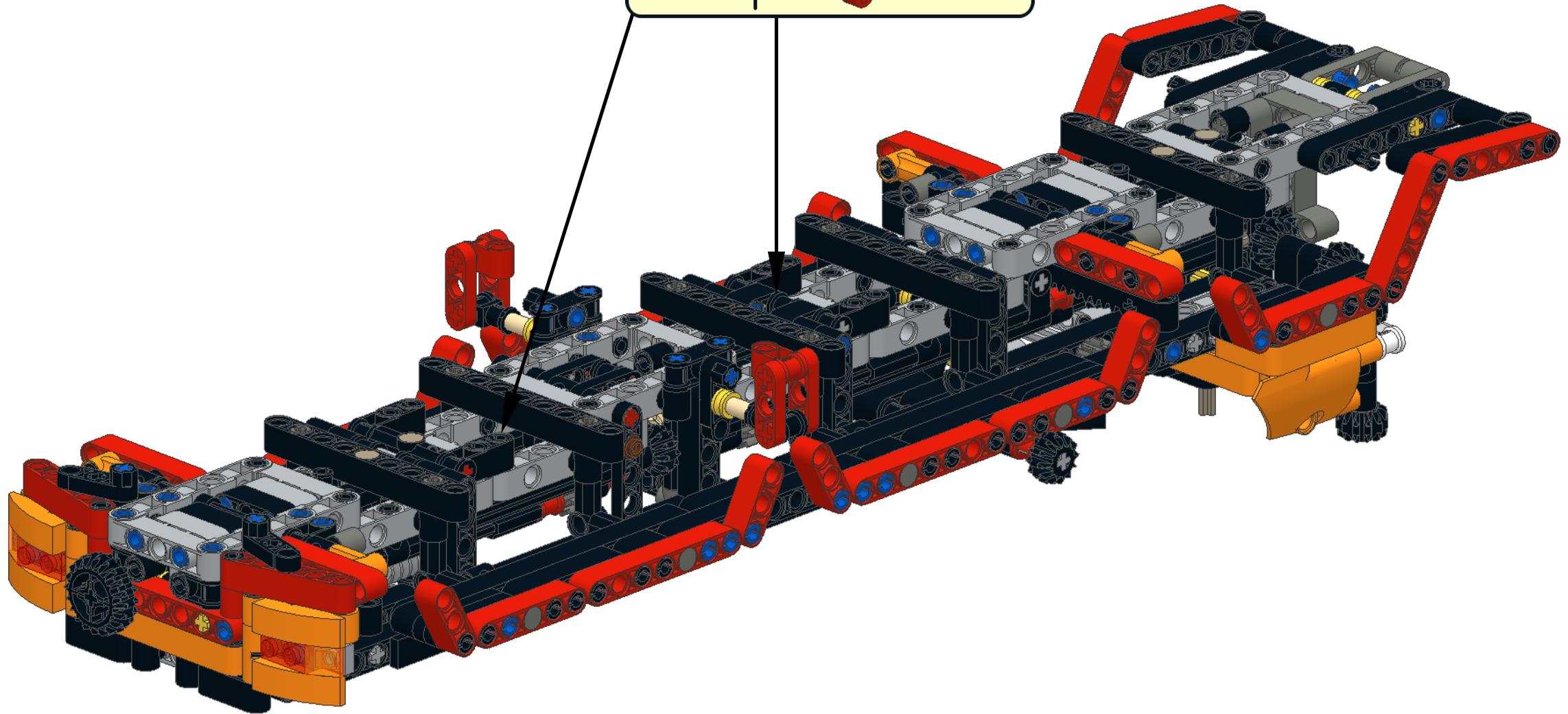


49

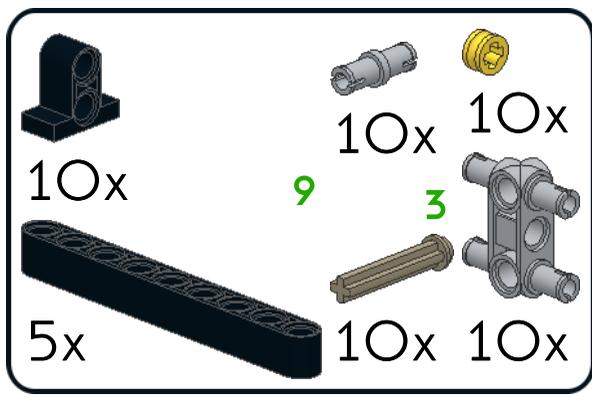


4x	2x	2x	2x
2x	2x	4x	2x

1 	3
2 	4
	x2

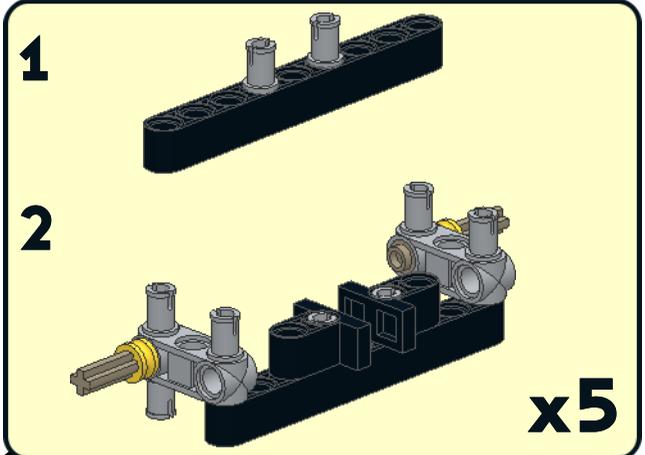


51



Parts list for step 51:

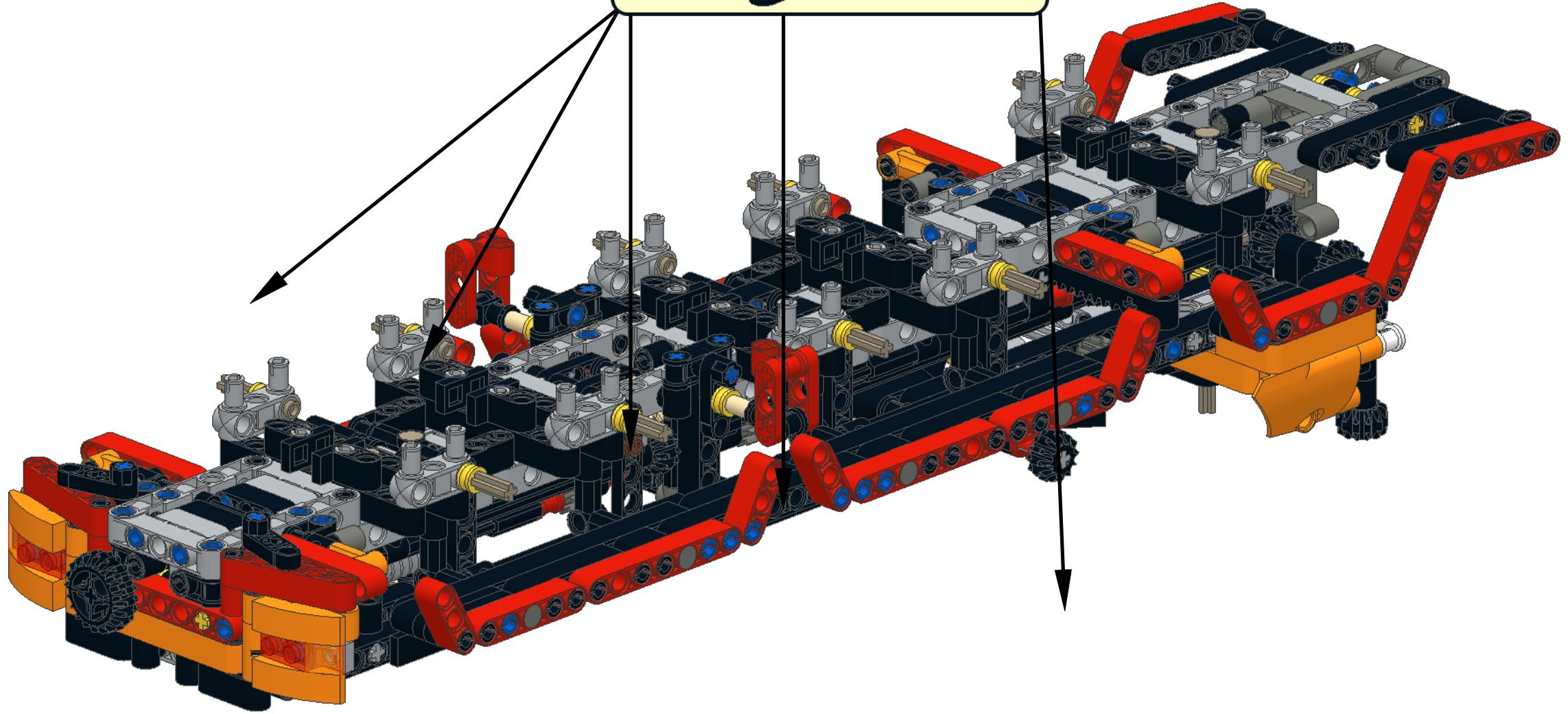
- 10x (black L-shaped Technic brick)
- 5x (black 1x10 Technic beam)
- 9 (grey axle pin)
- 3 (brown axle pin)
- 10x (grey axle pin)
- 10x (grey axle pin)
- 10x (grey 3-way Technic connector)
- 10x (grey 3-way Technic connector)



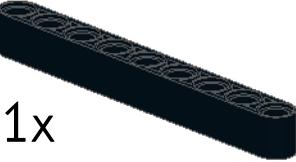
Assembly diagram for step 51:

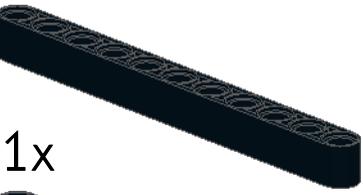
- 1 (black 1x10 Technic beam)
- 2 (grey 3-way Technic connector)

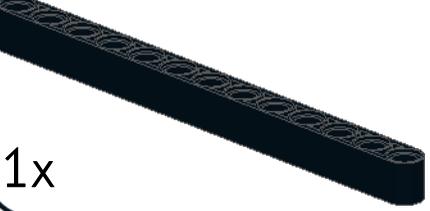
x5

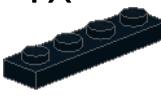


9

1x  11

1x  13

1x  17

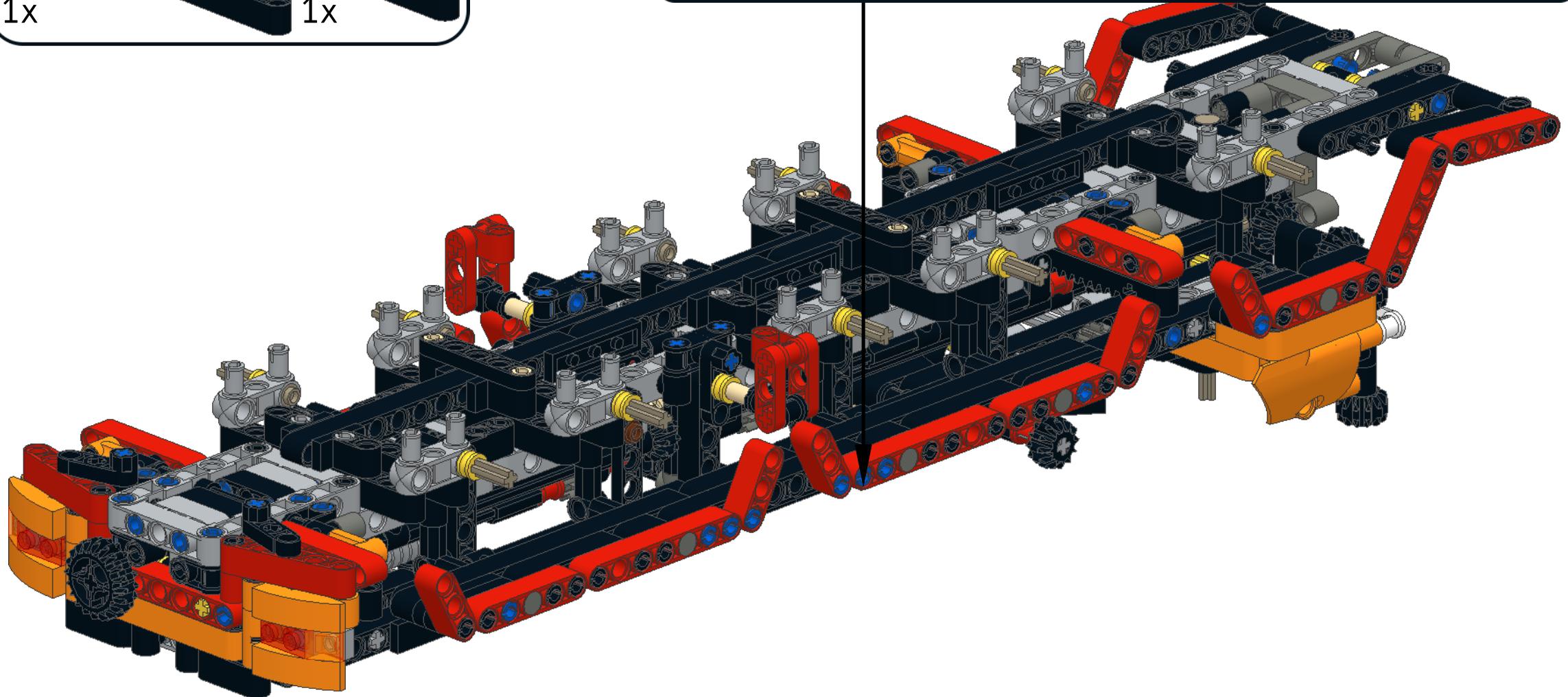
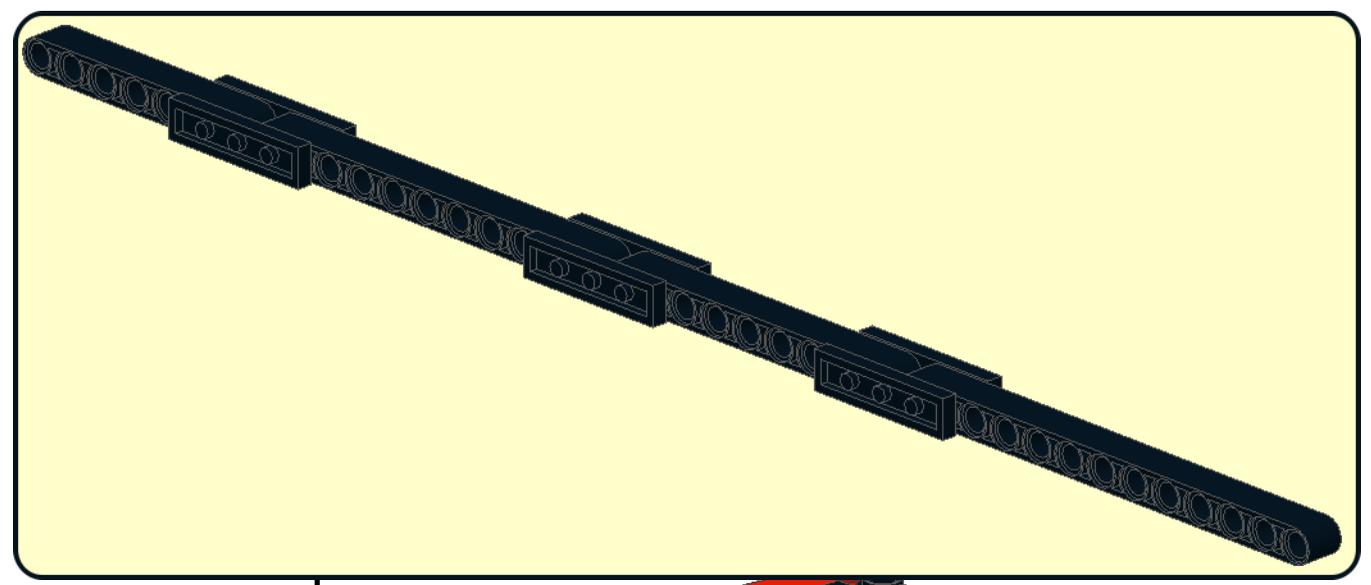
4x  4

6x  6

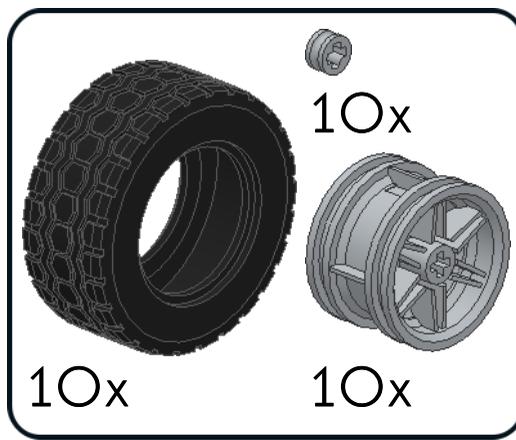
2x  7

1x 1

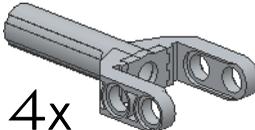
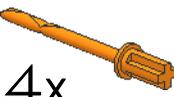


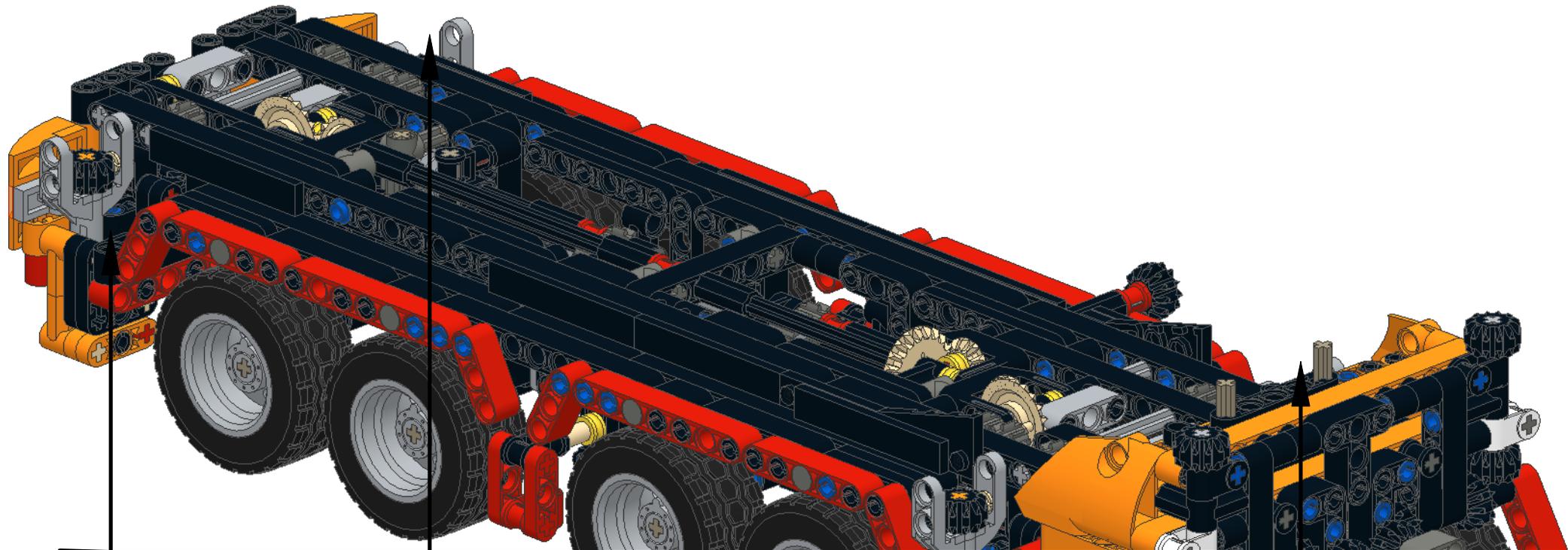


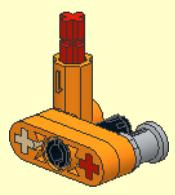
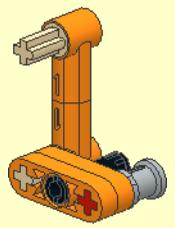
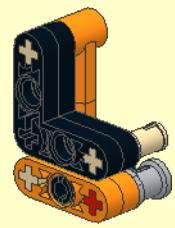
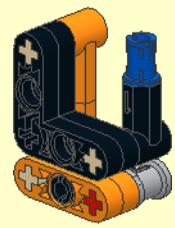
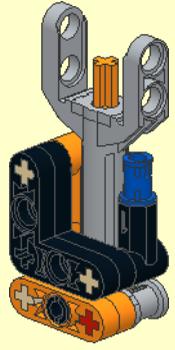
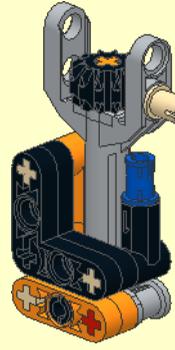
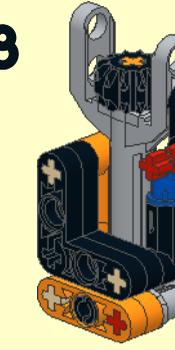
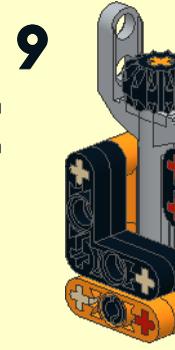
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54

- 4x 
- 4x 
- 4x 
- 8x 
- 8x 
- 16x 
- 12x 
- 4x 
- 8x 
- 4x 
- 4x 
- 4x 
- 4x 
- 4x
- 8x
- 4x



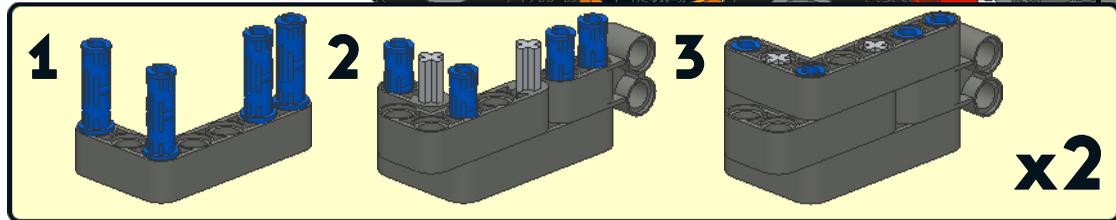
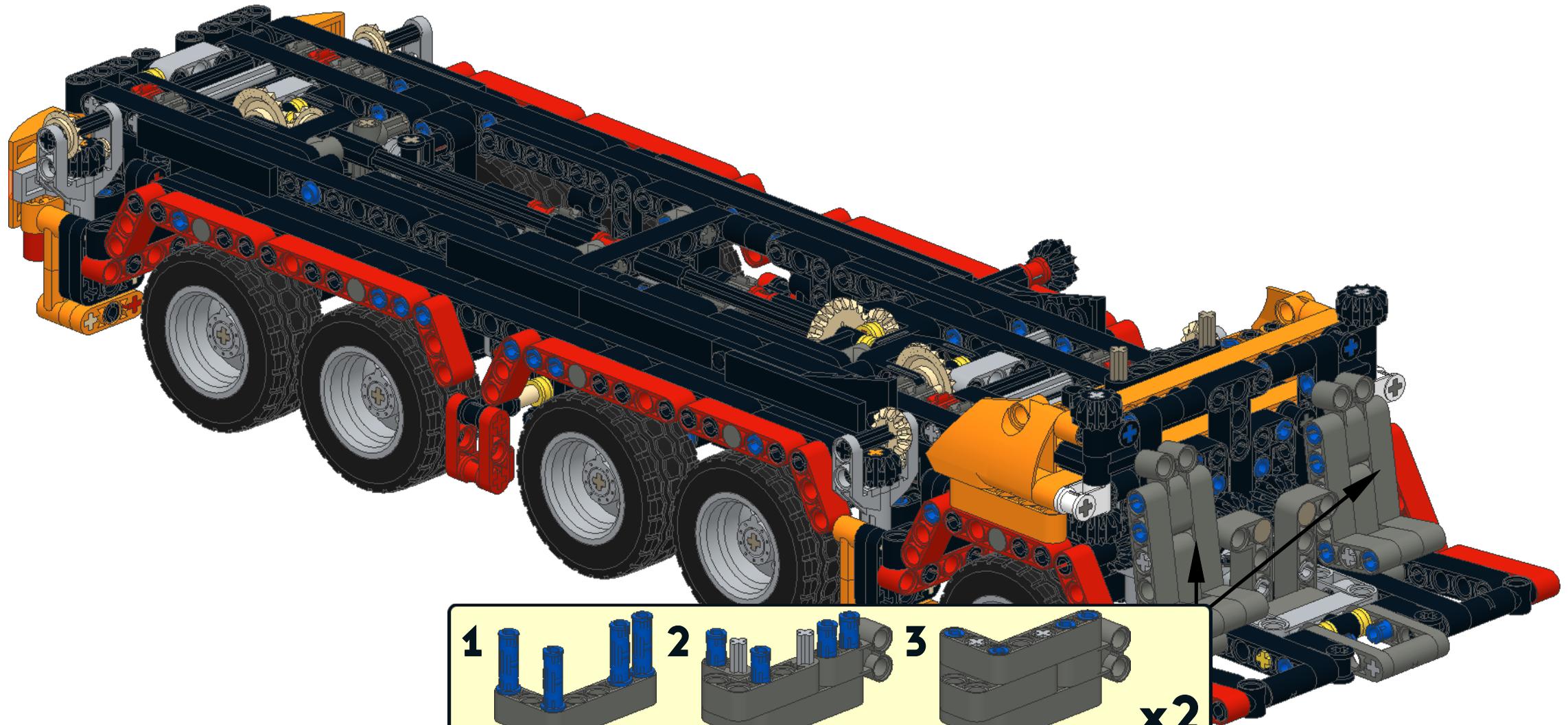
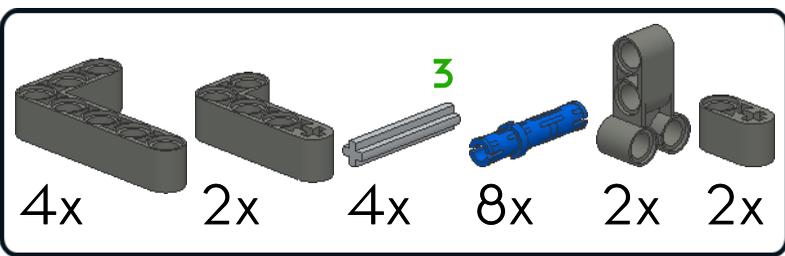
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- x4**

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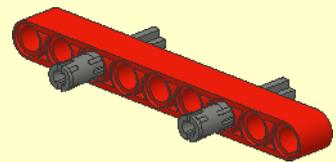
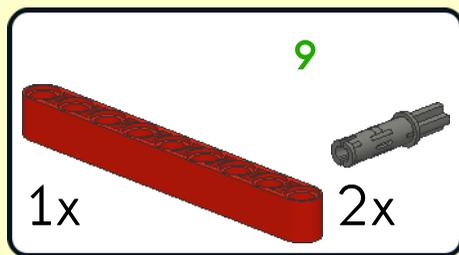
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4x  



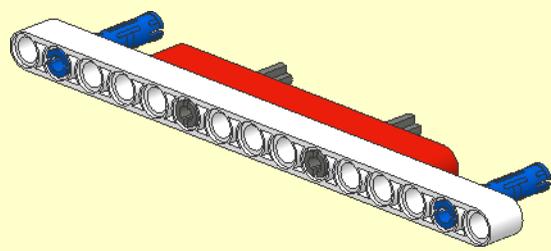
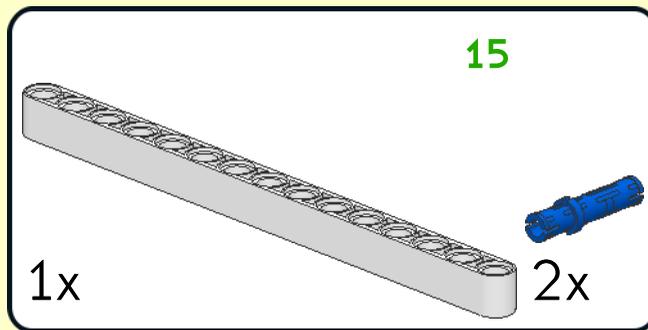
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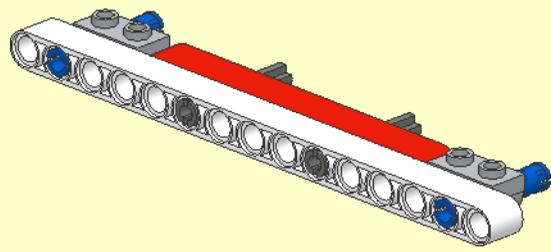
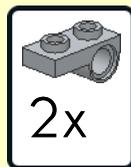
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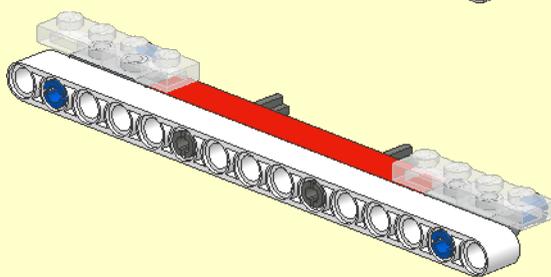
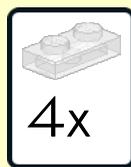
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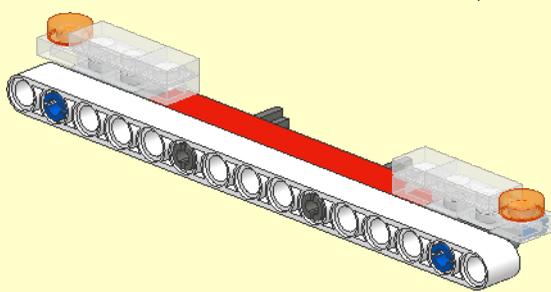
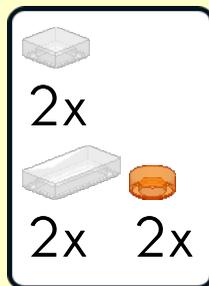
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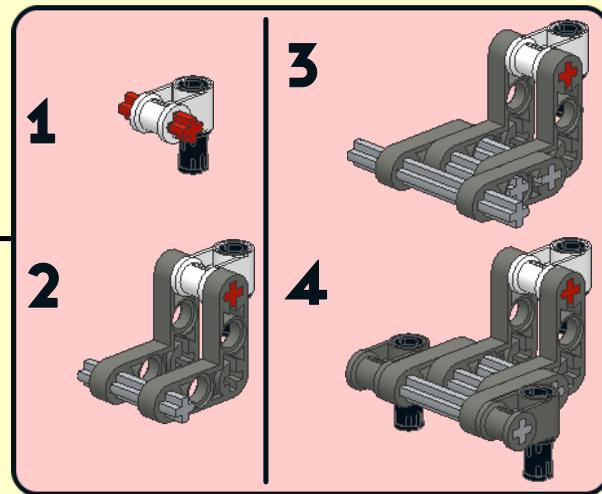
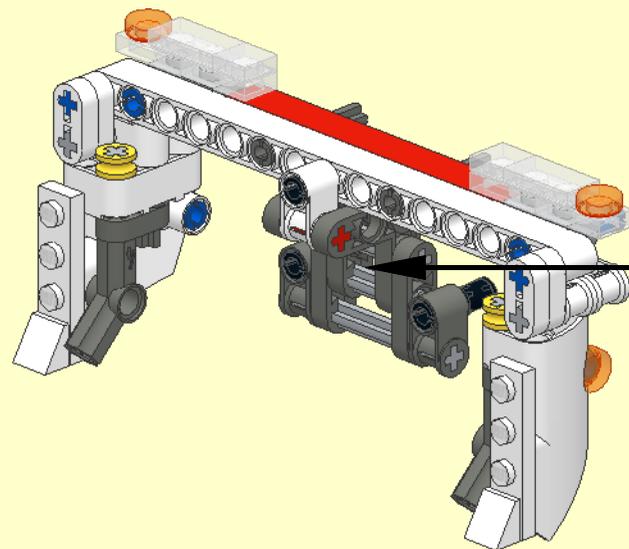
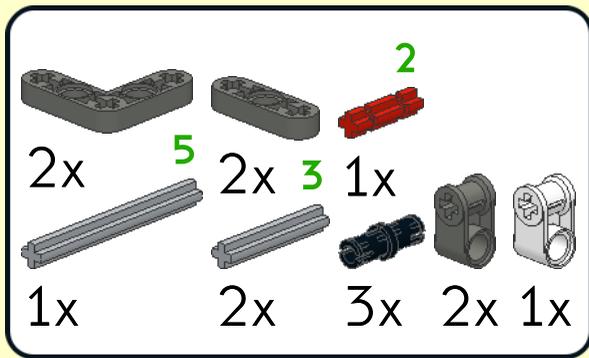
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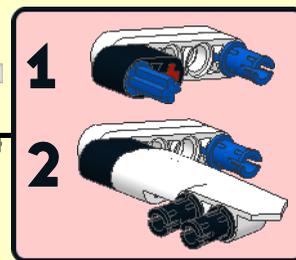
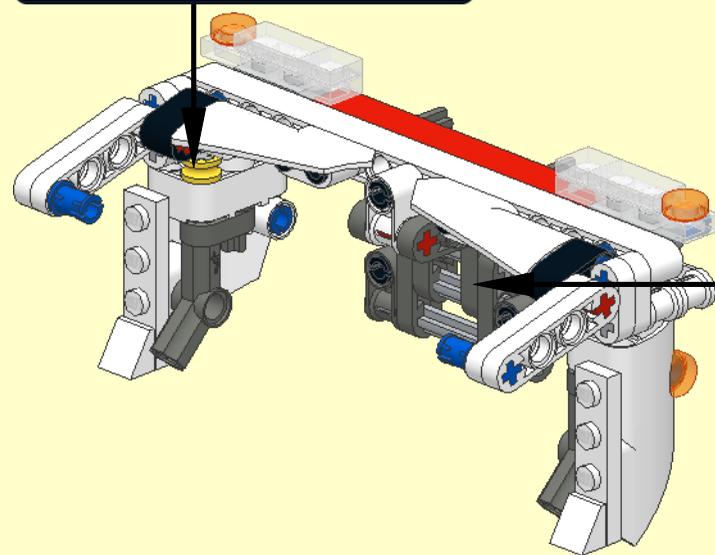
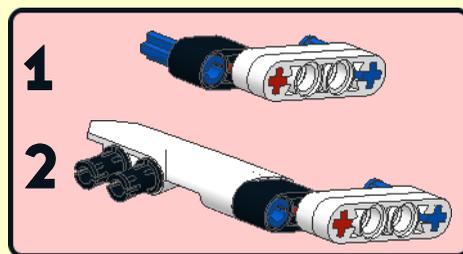
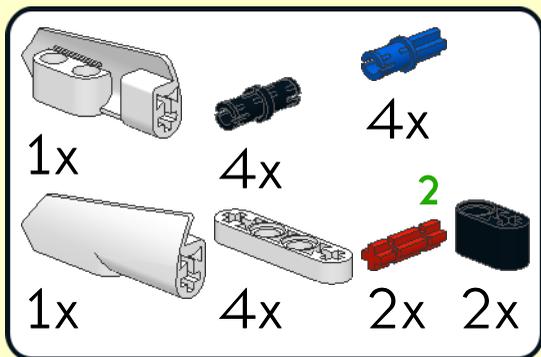
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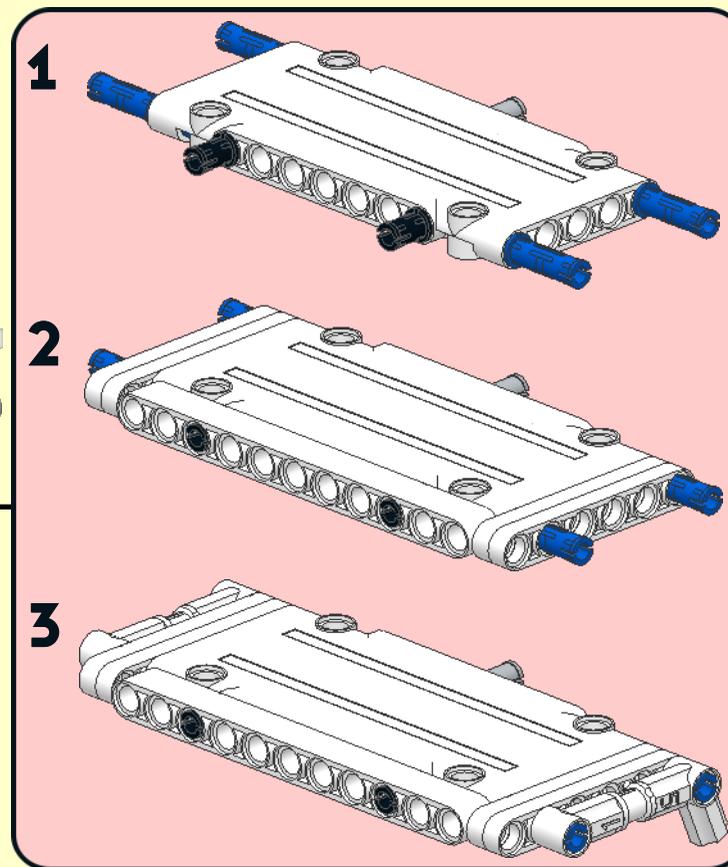
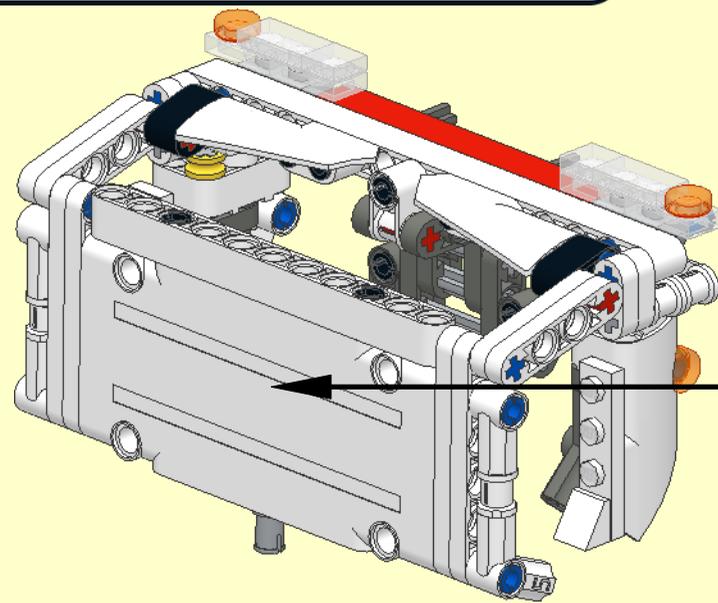
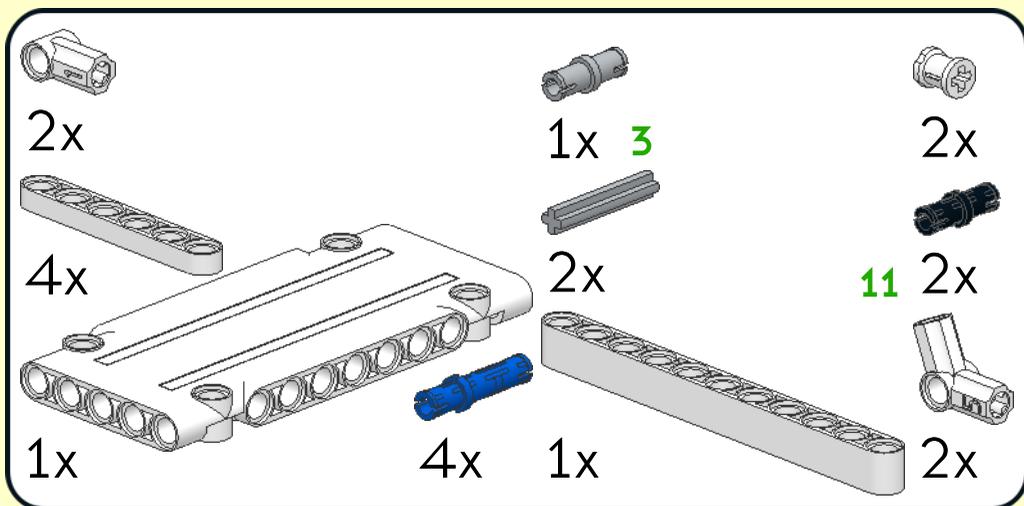
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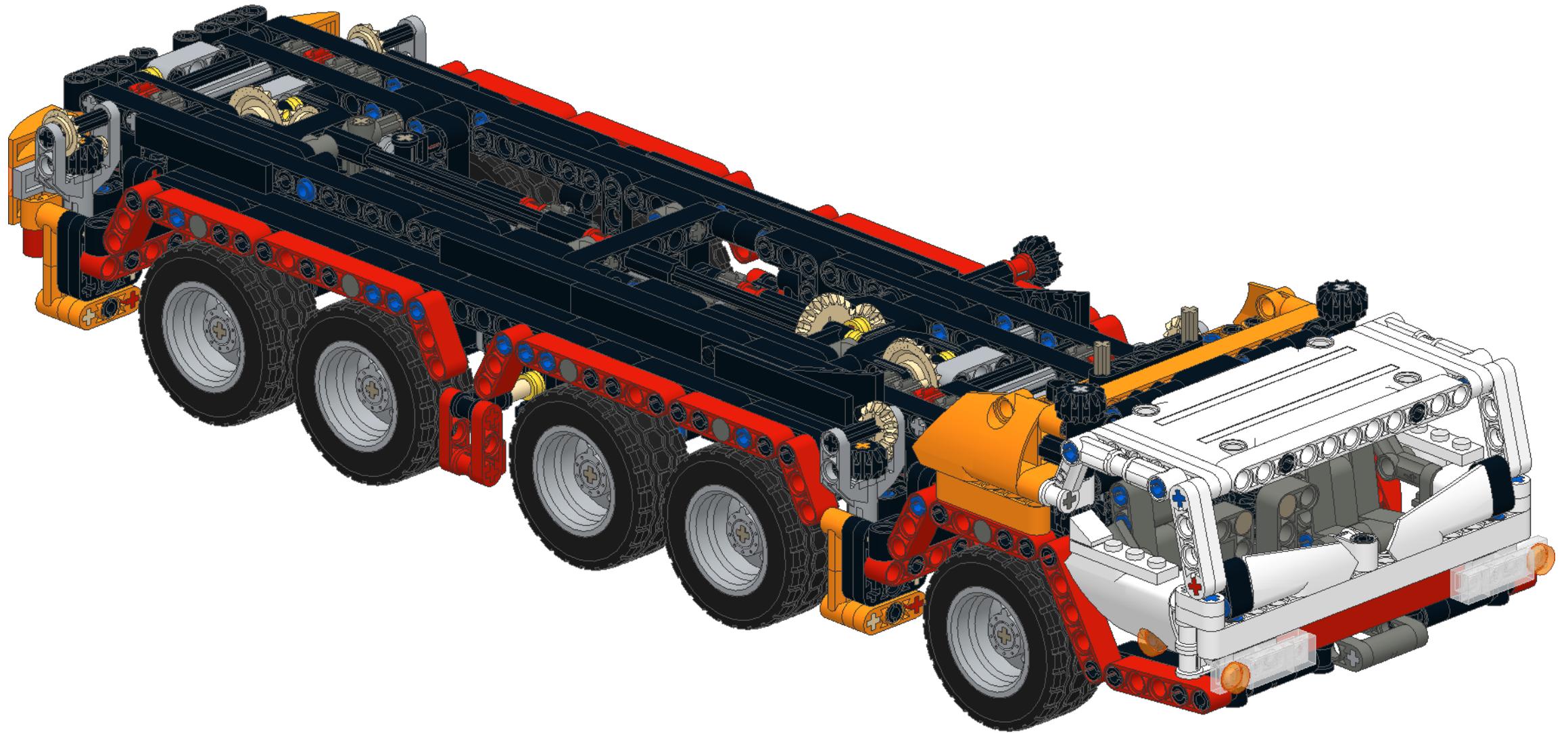


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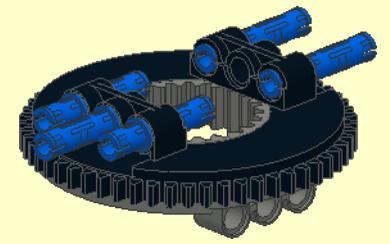
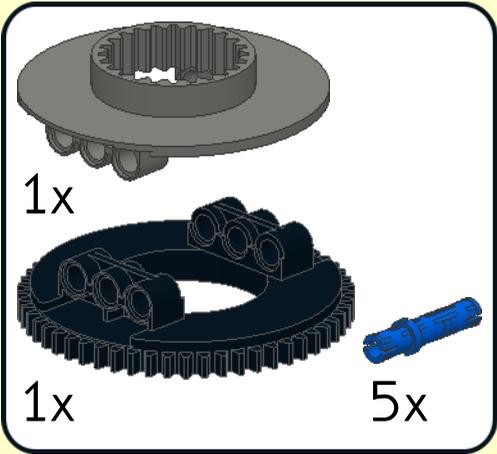


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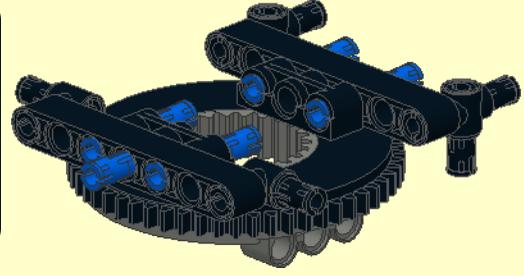
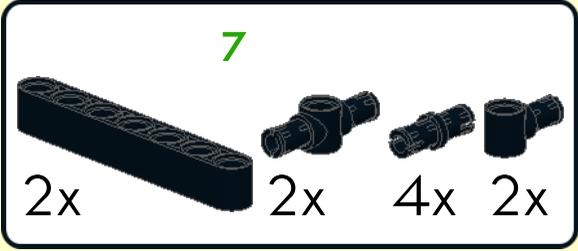




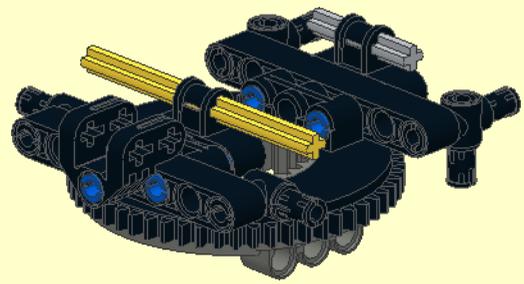
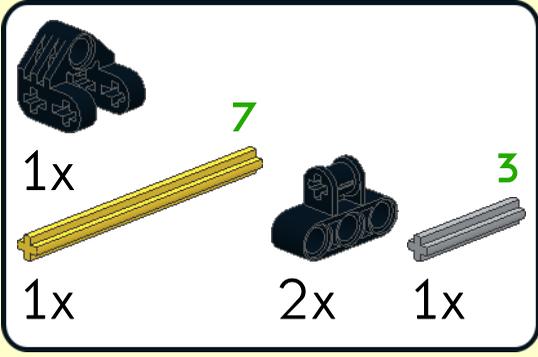
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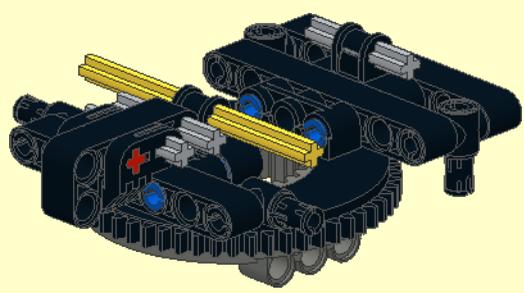
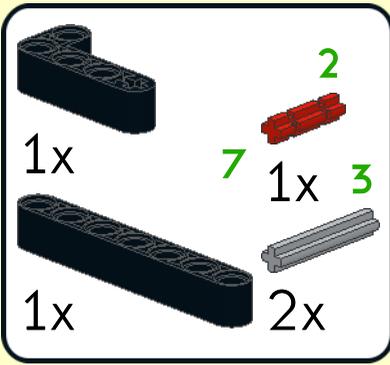
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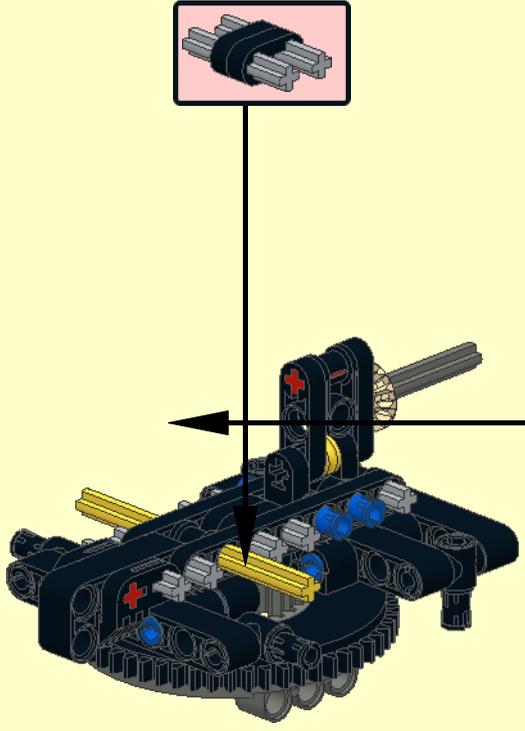
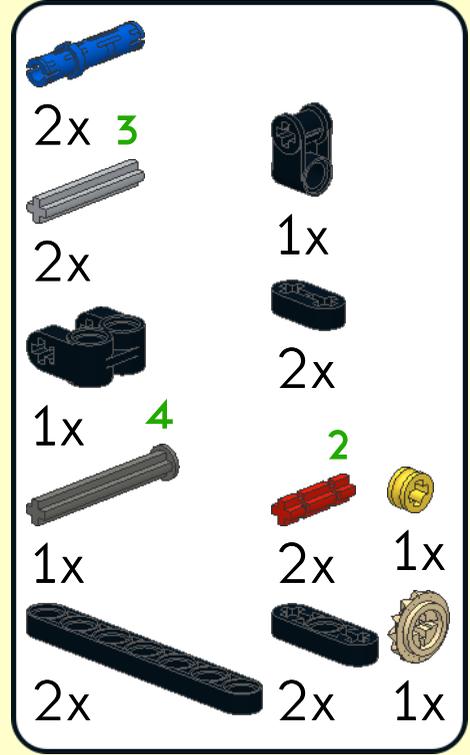
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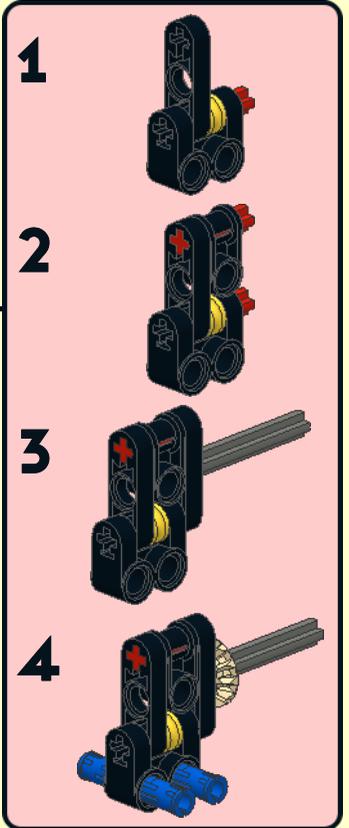
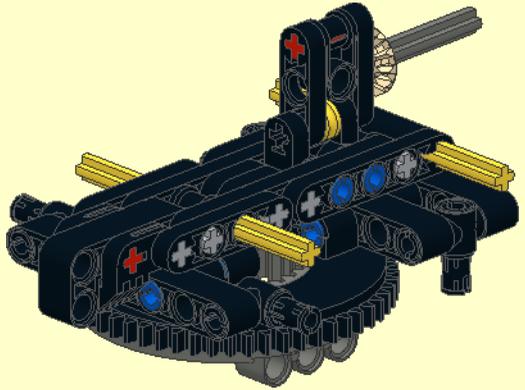
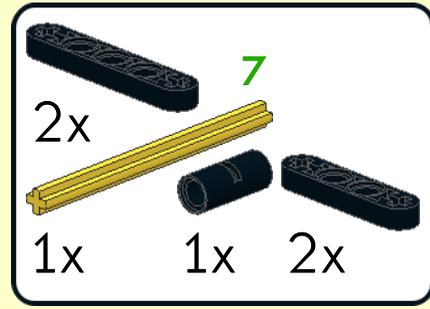
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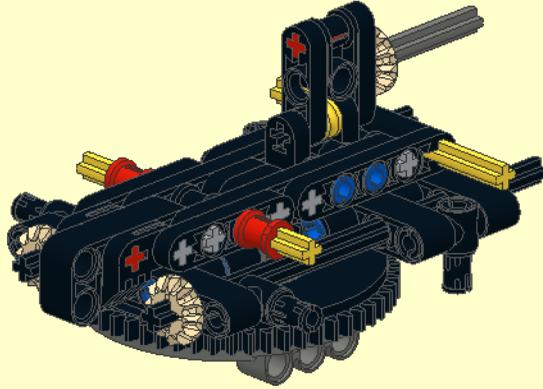
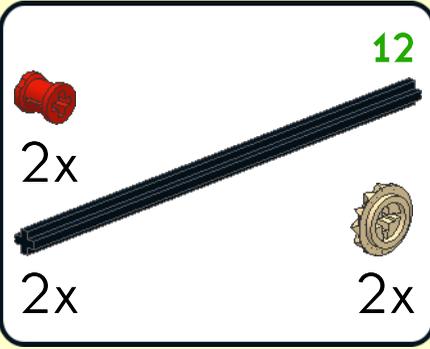
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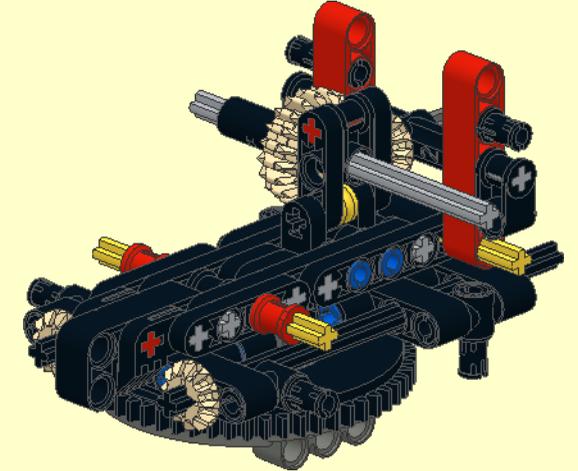
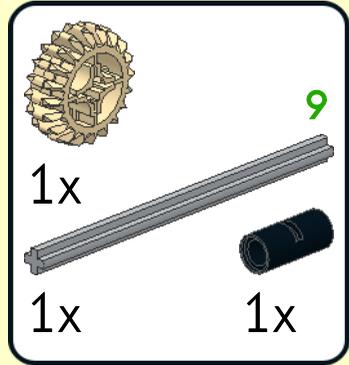
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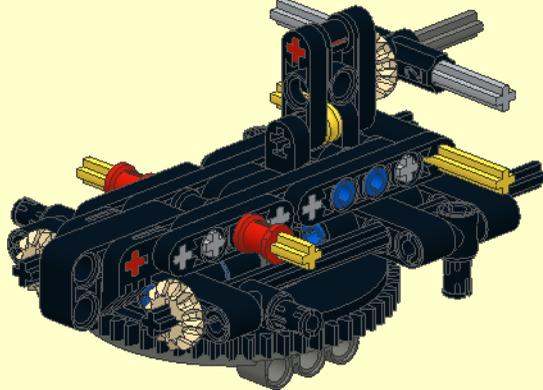
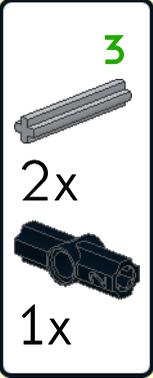
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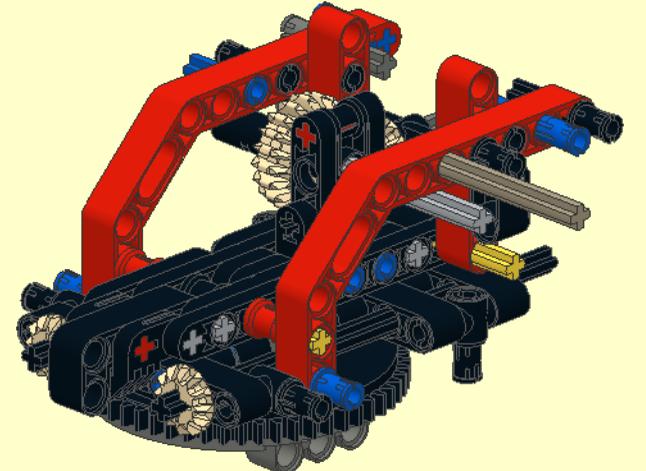
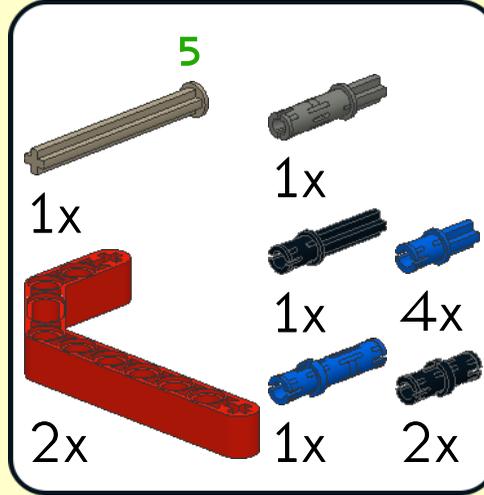
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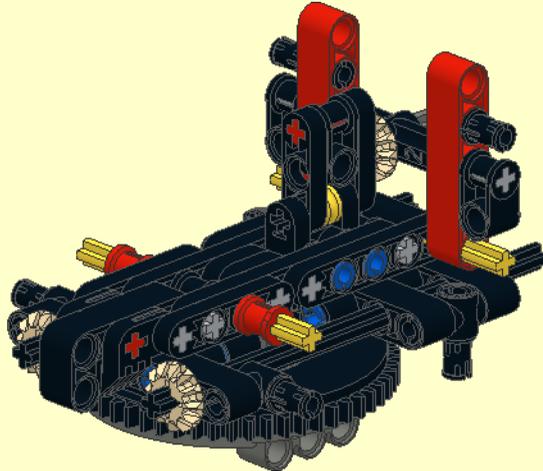
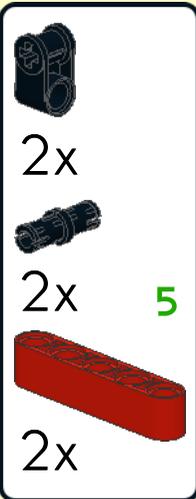
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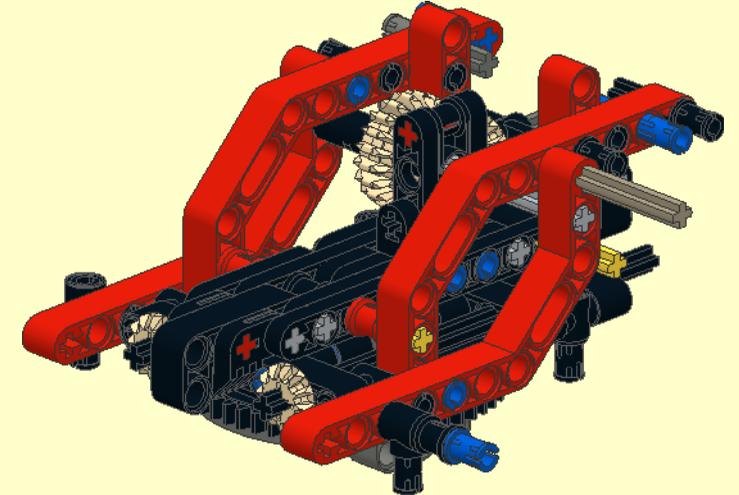
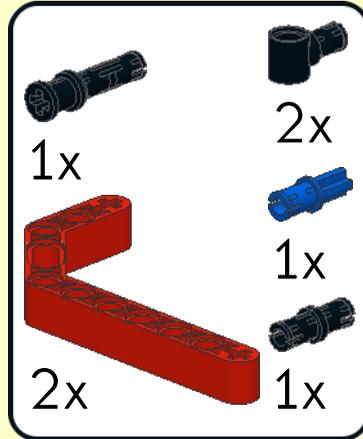
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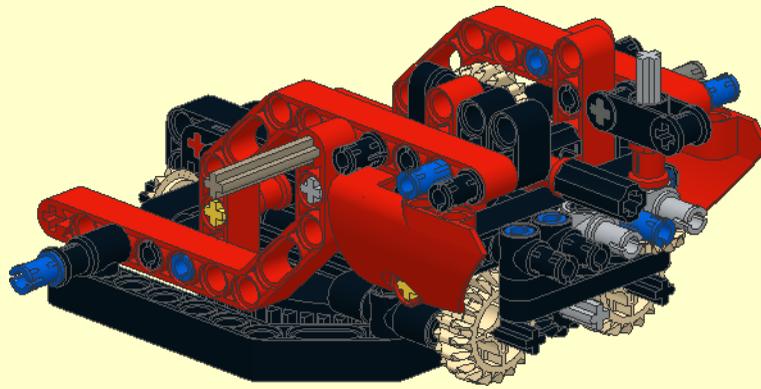
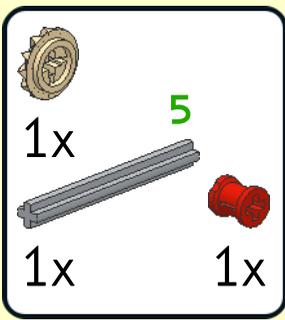
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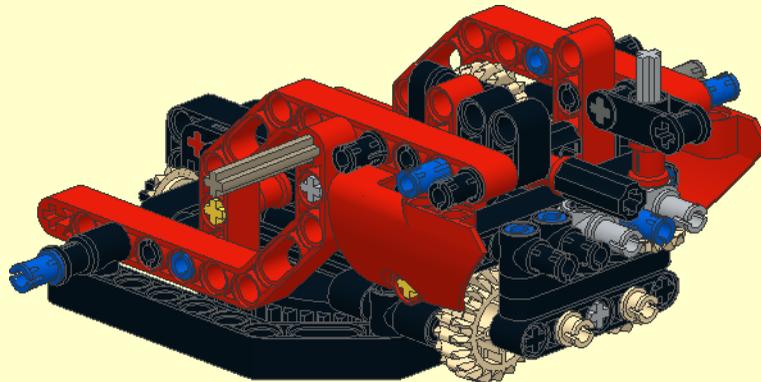
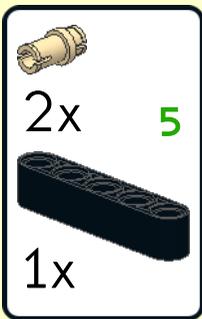
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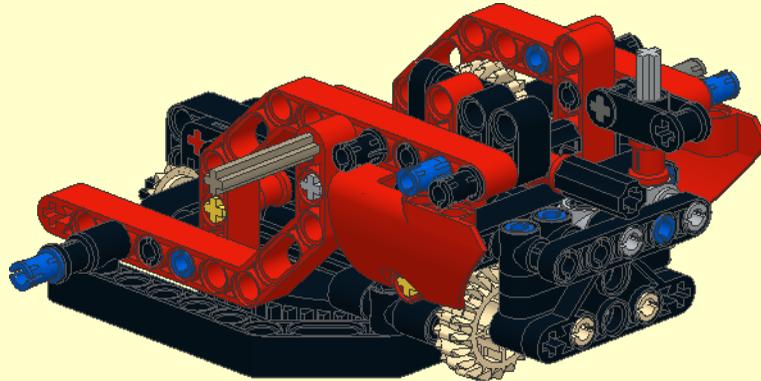
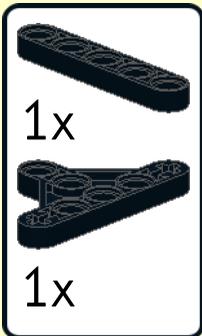
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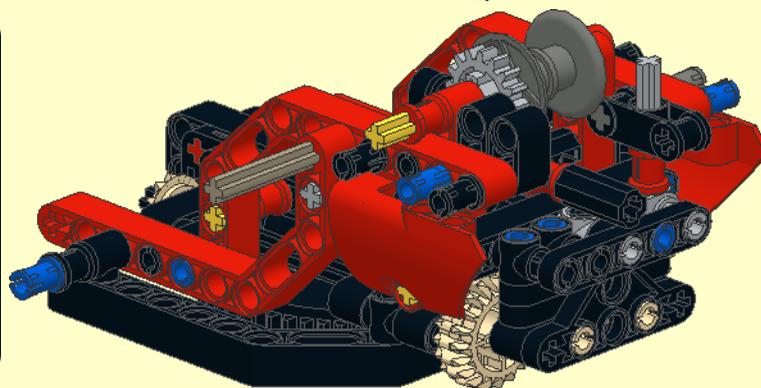
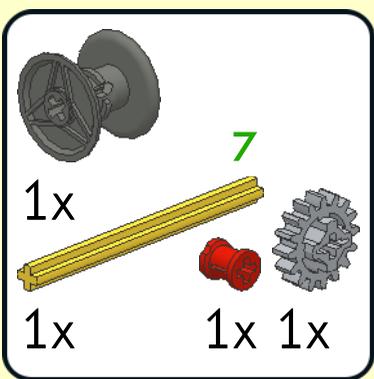
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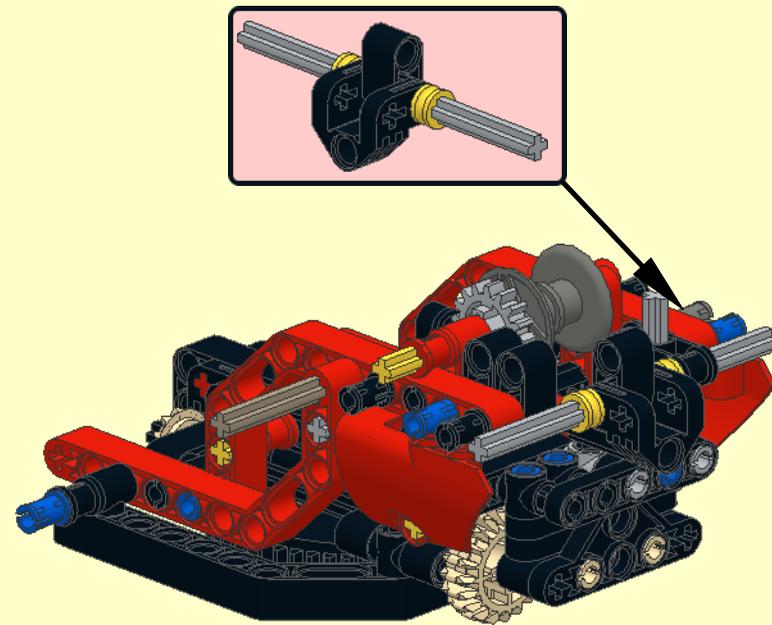
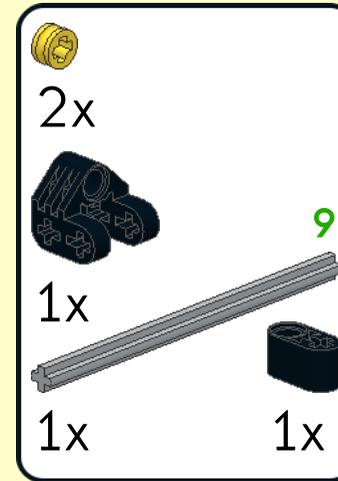
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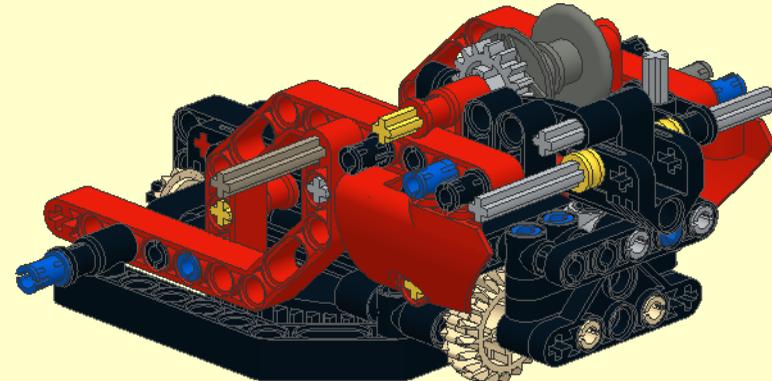
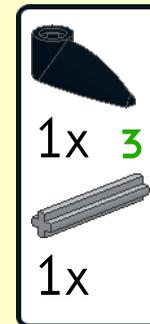
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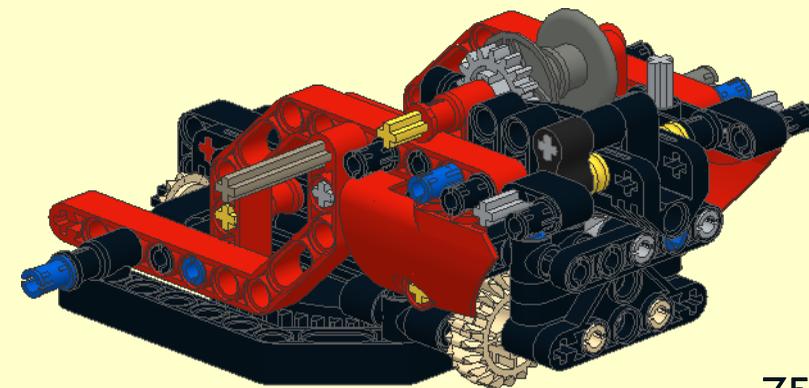
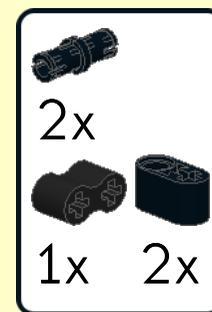
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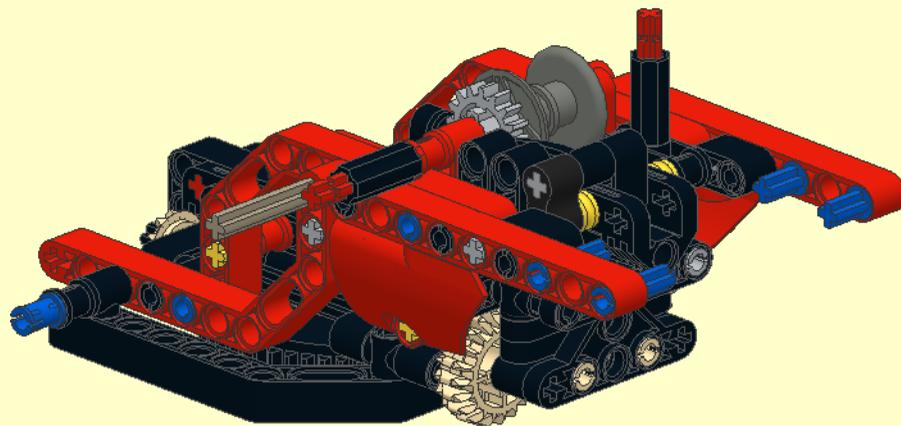
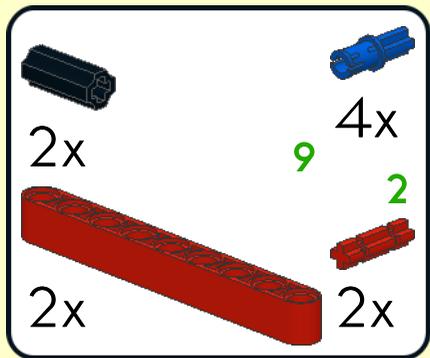
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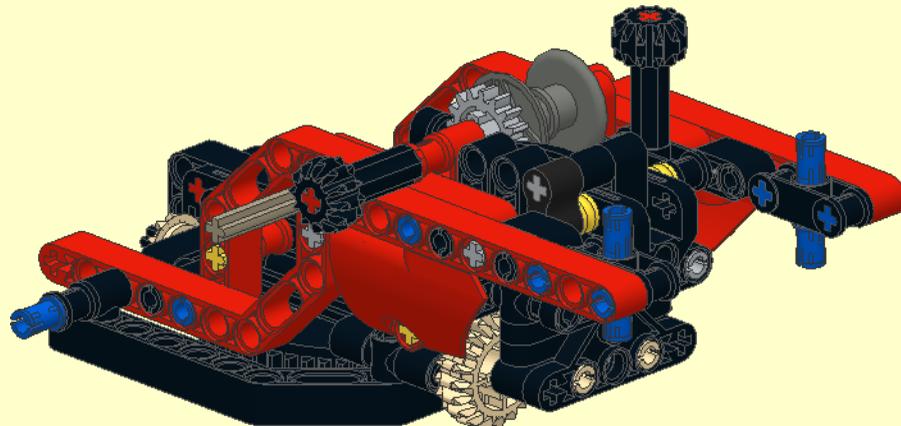
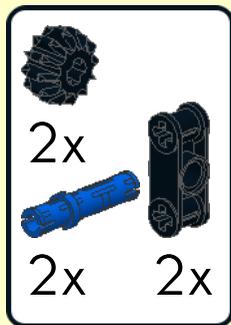
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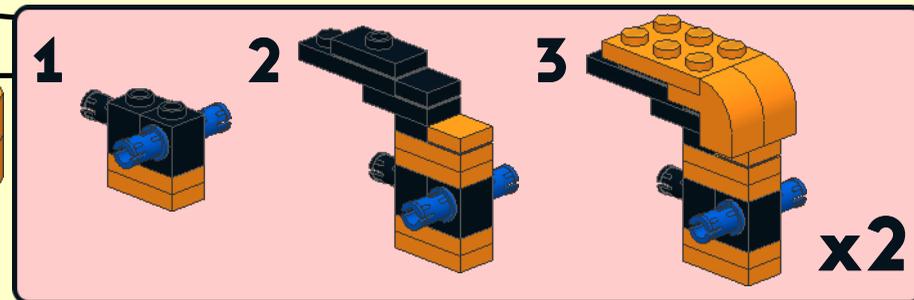
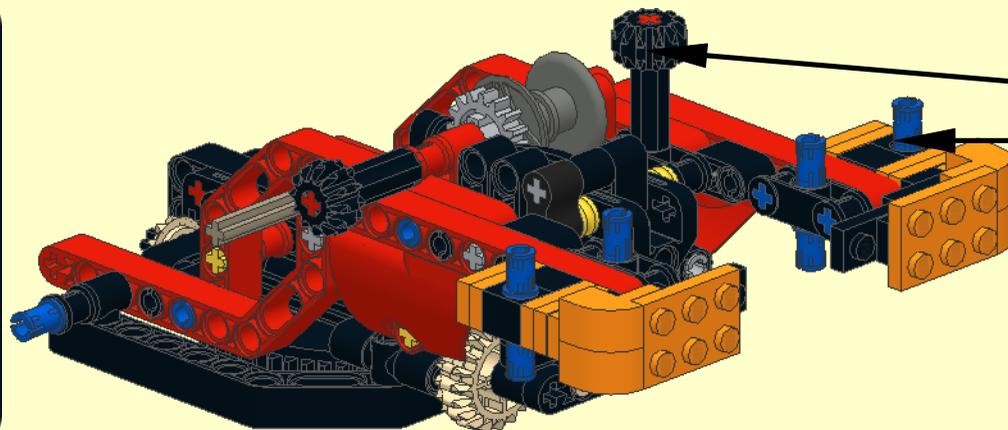
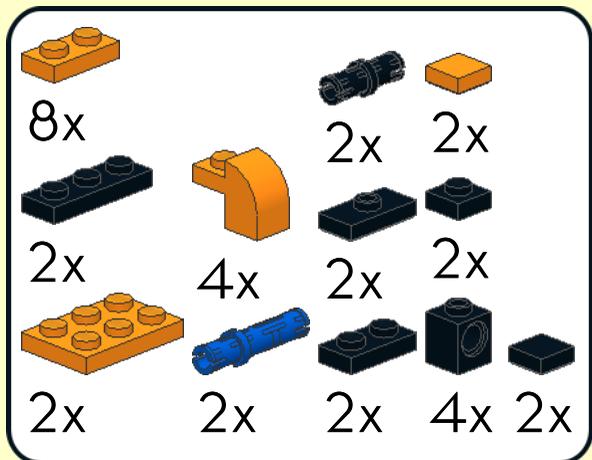
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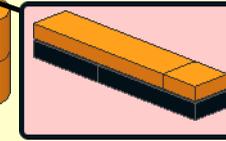
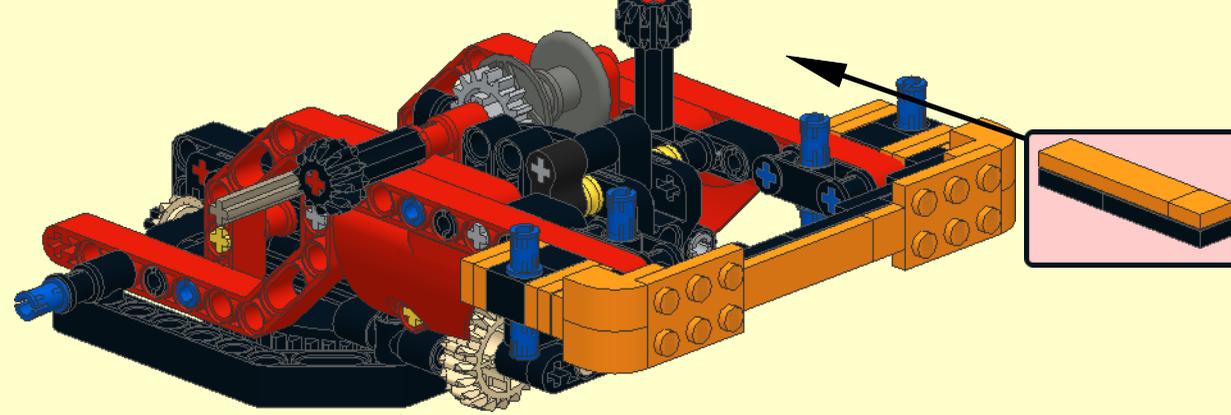
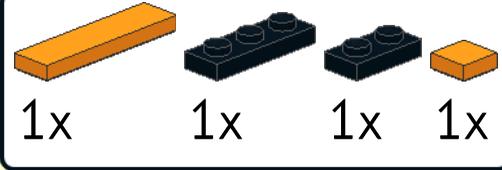
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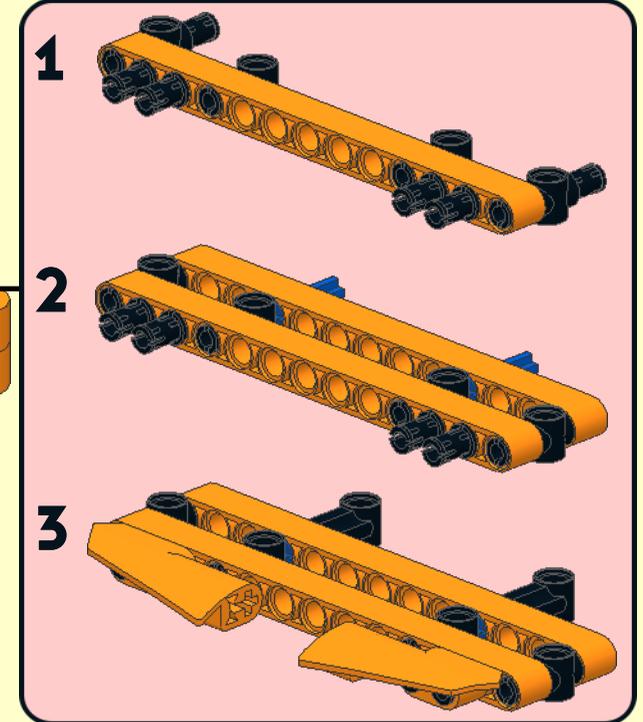
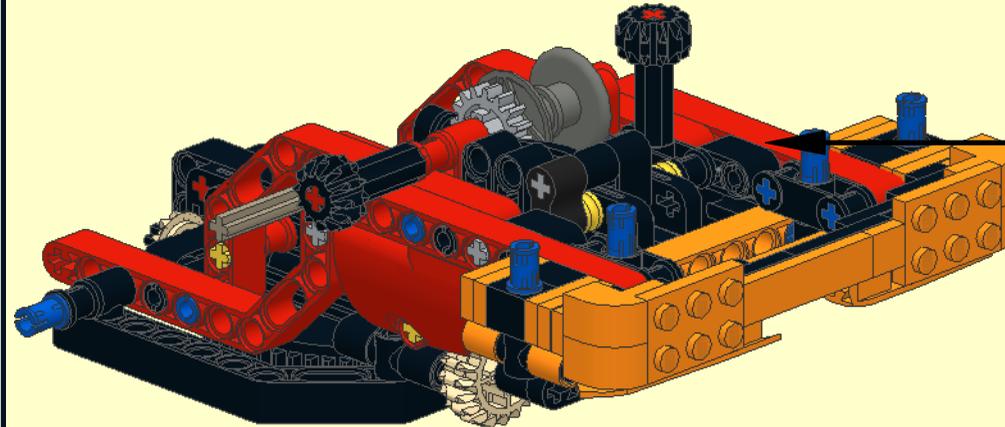
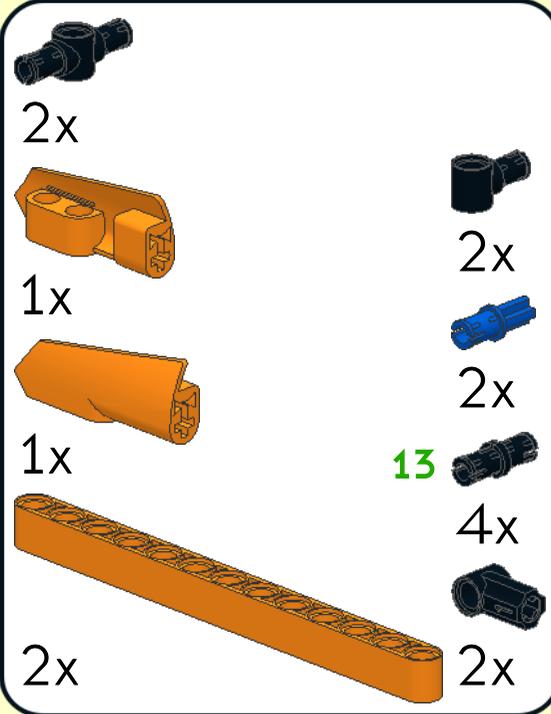
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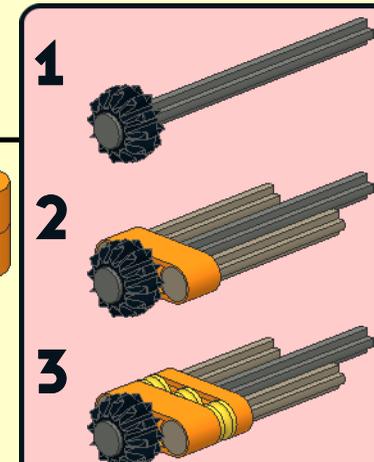
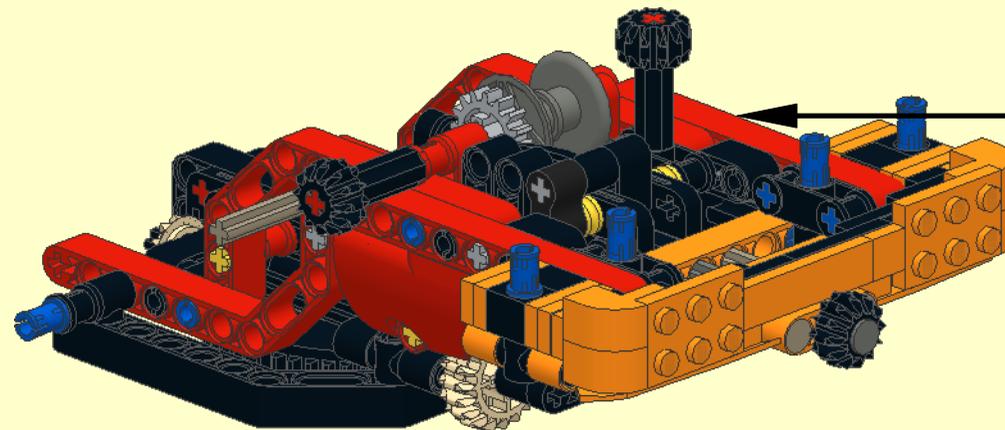
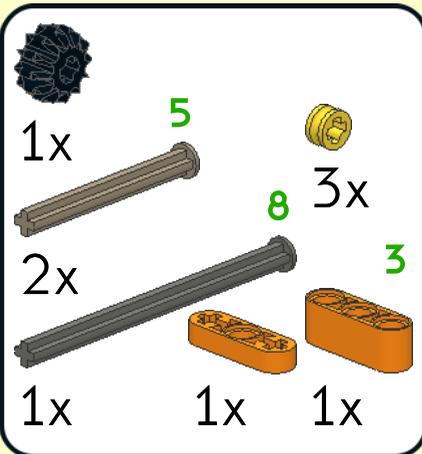
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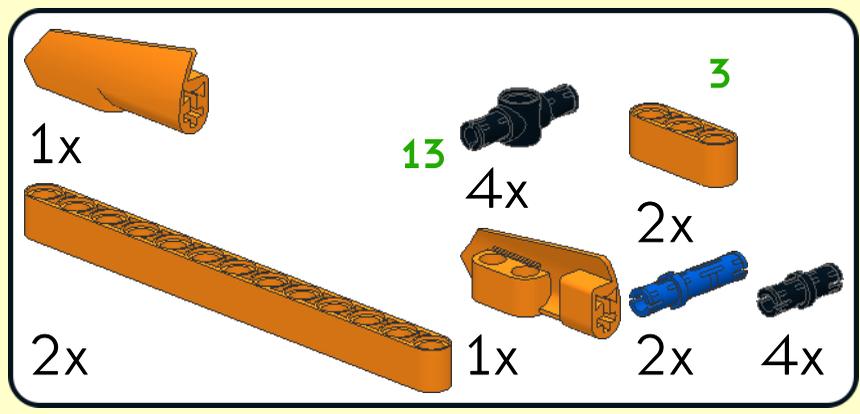
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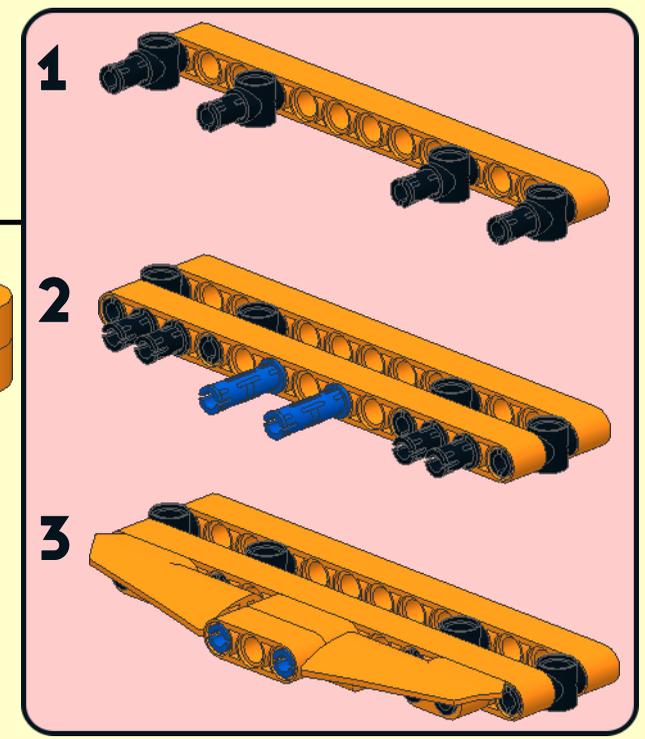
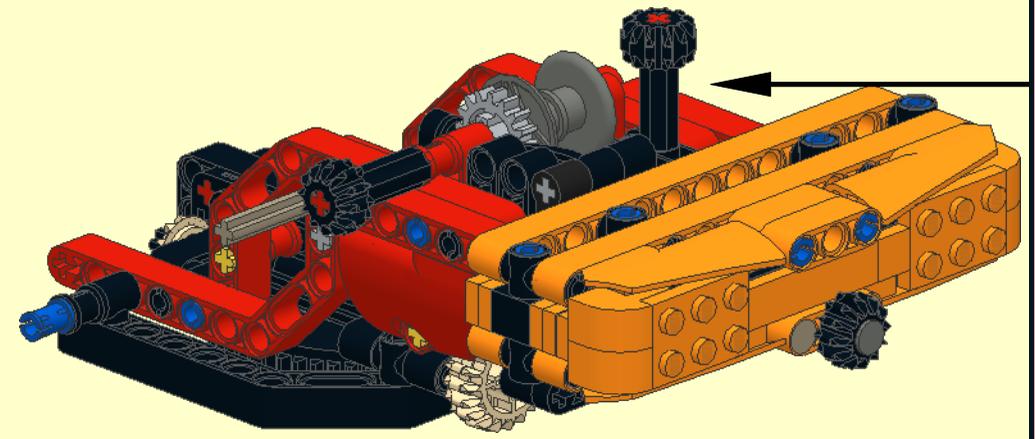


30



Parts list for step 30:

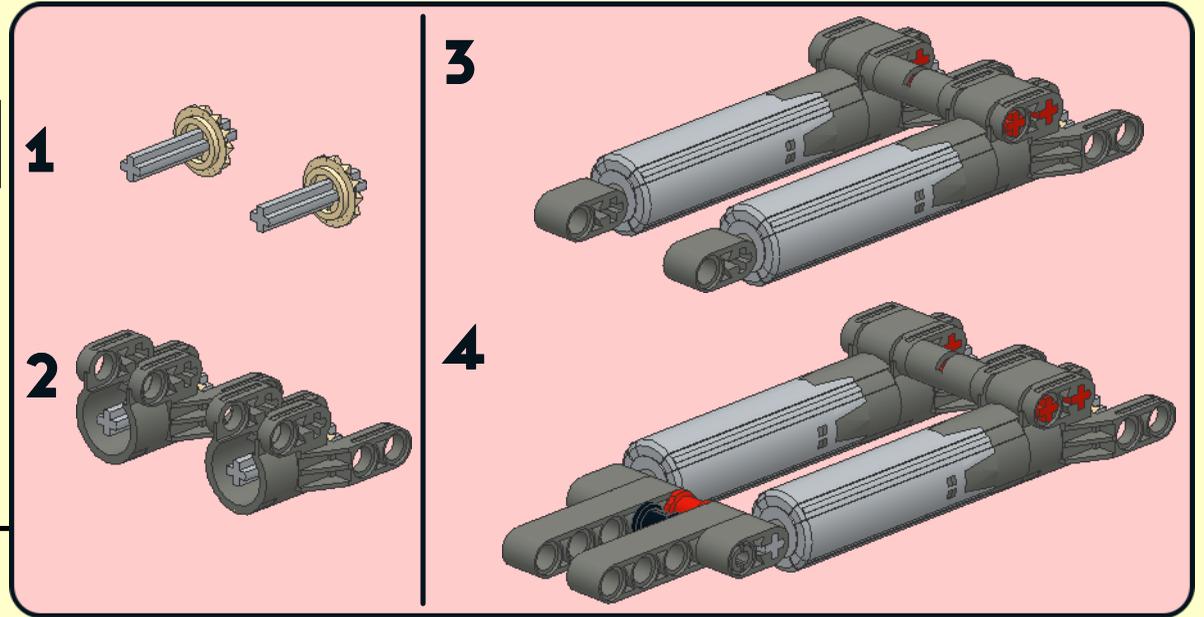
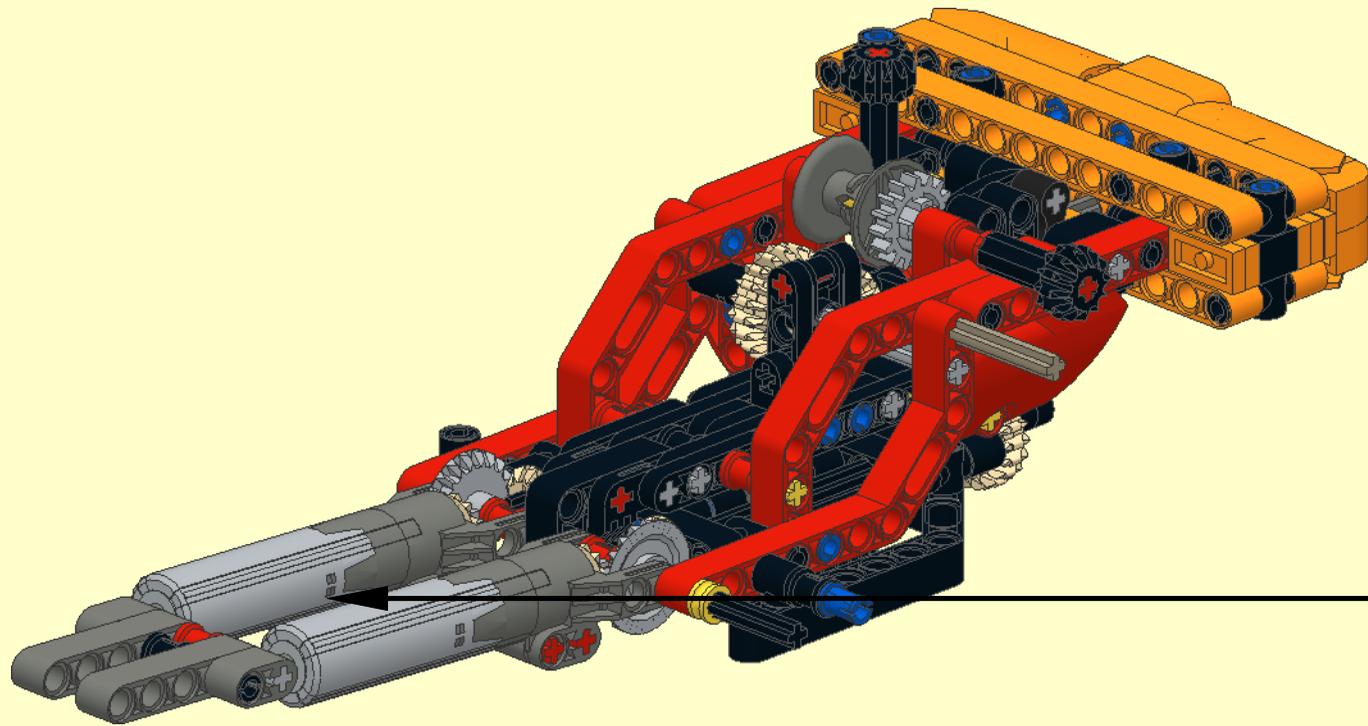
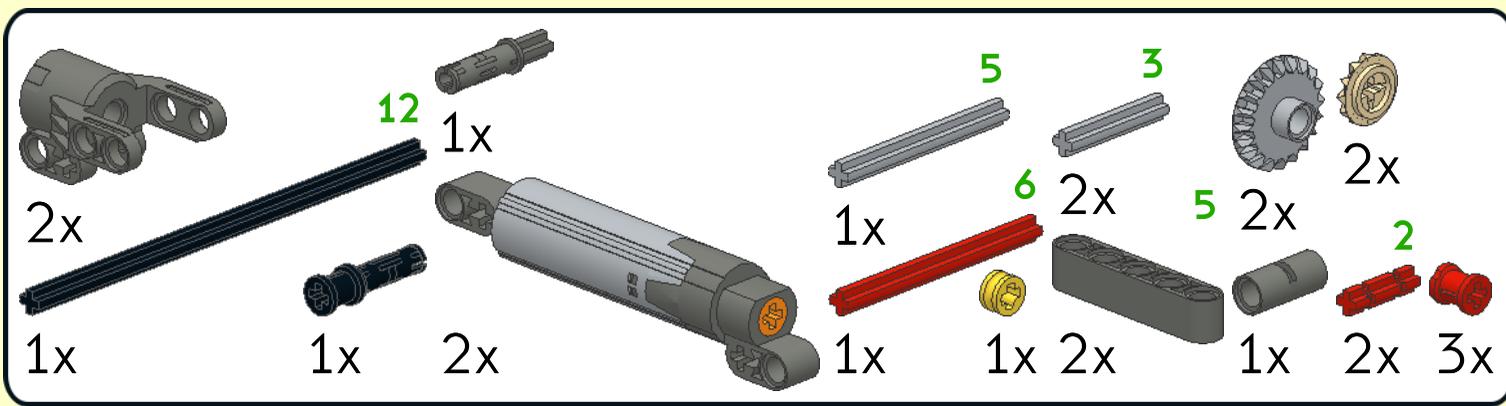
- 1x Orange Technic Tube
- 13x Black Technic Pin
- 4x Black Technic Pin
- 2x Orange Technic 1x3 Beam
- 3x Orange Technic 1x3 Beam
- 1x Orange Technic 1x3 Beam
- 2x Blue Technic Pin
- 2x Black Technic Pin
- 4x Black Technic Pin



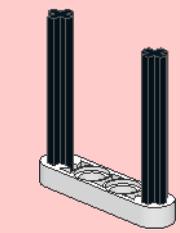
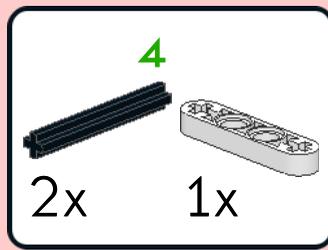
Sub-assembly construction steps:

1. Attach 4 black pins to the orange tube.
2. Attach 2 blue pins to the orange tube.
3. Attach 2 orange beams to the orange tube.

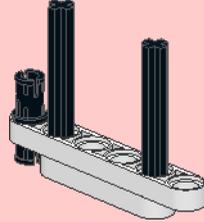
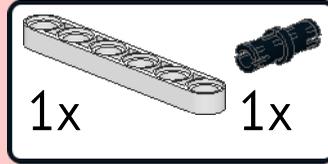
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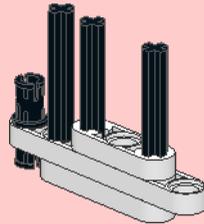
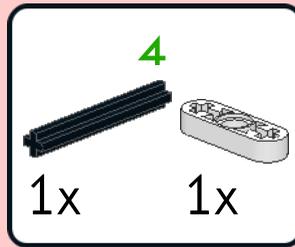
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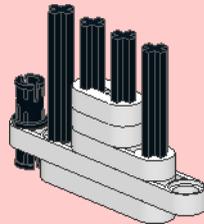
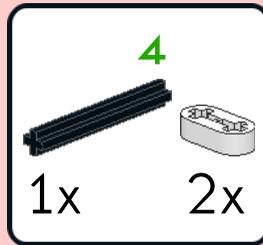
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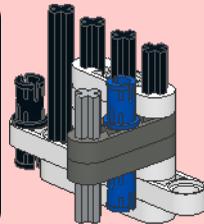
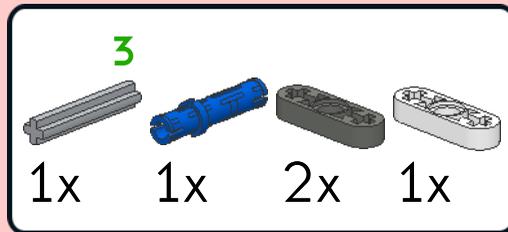
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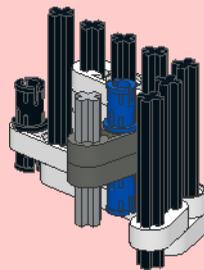
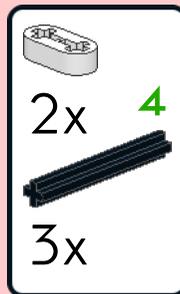
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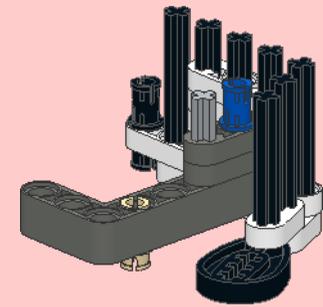
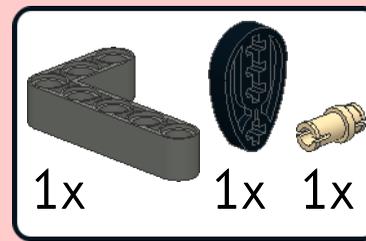
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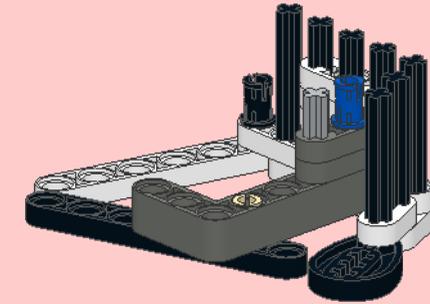
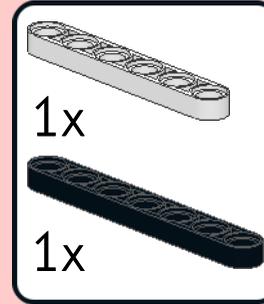
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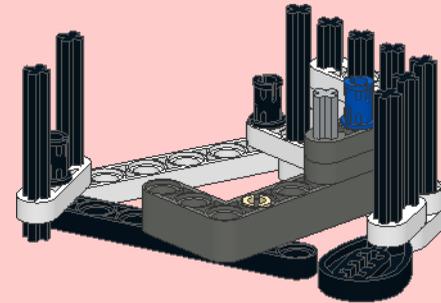
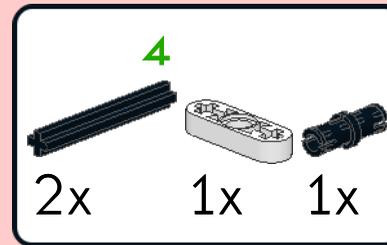
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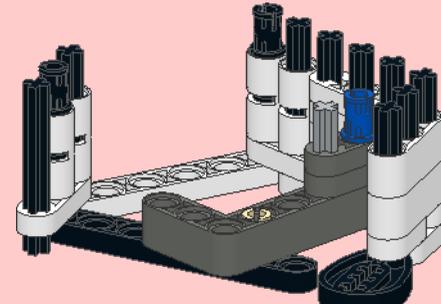
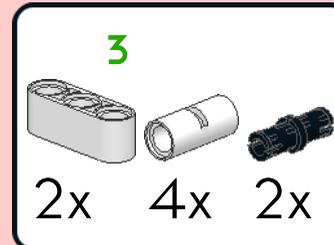
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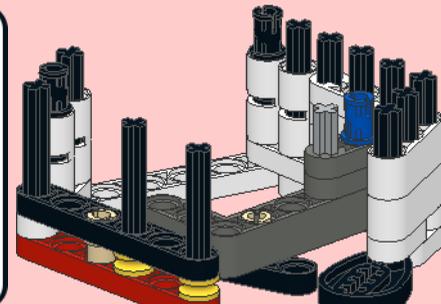
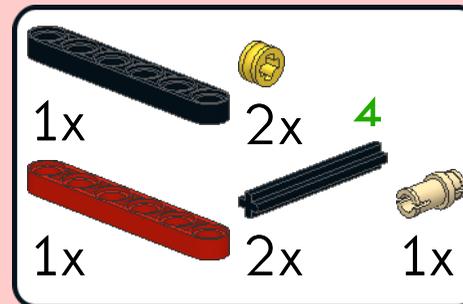
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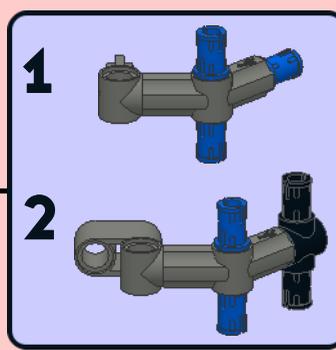
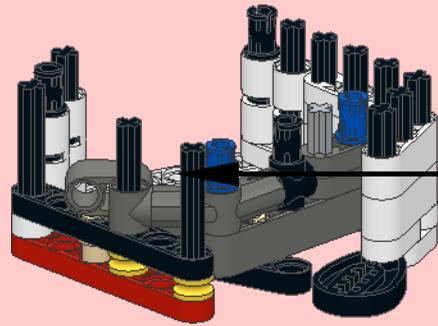
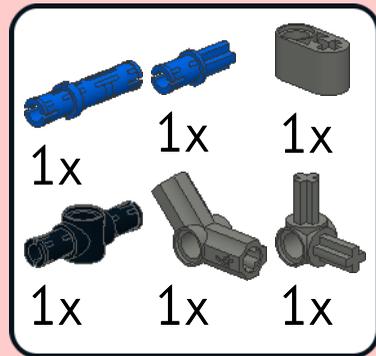
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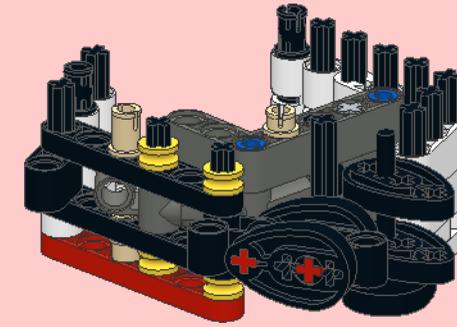
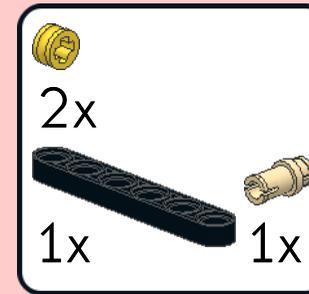
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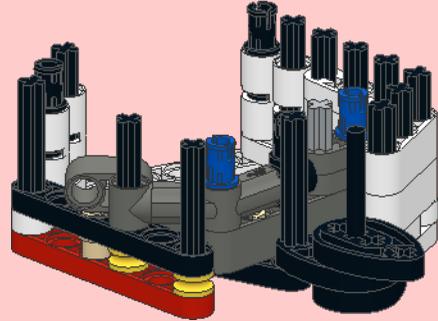
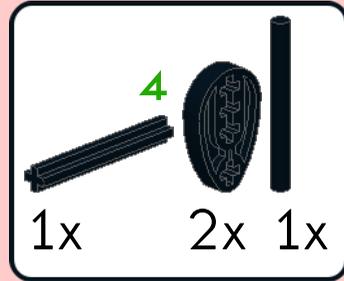
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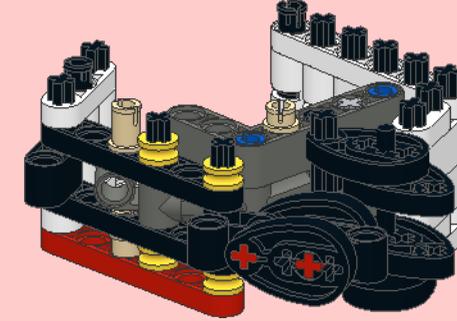
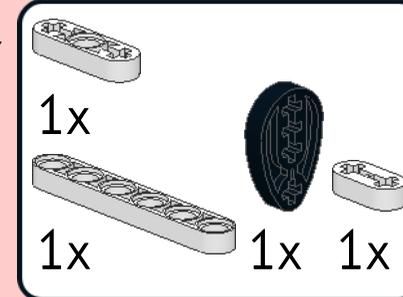
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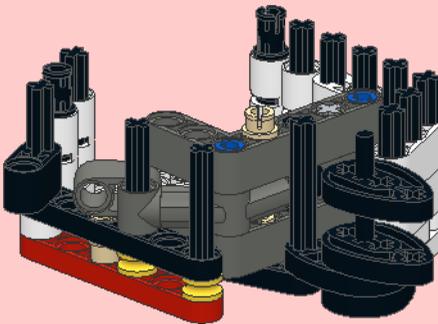
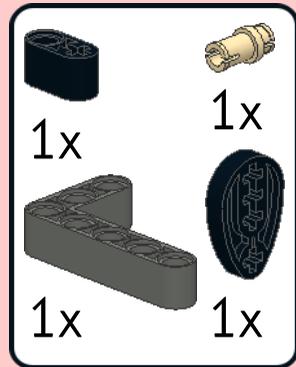
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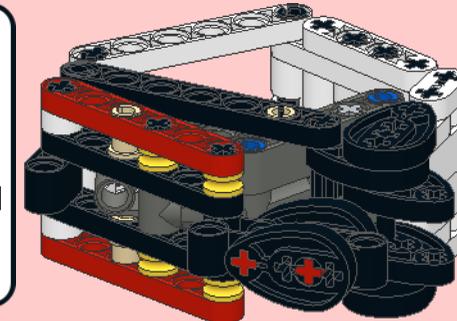
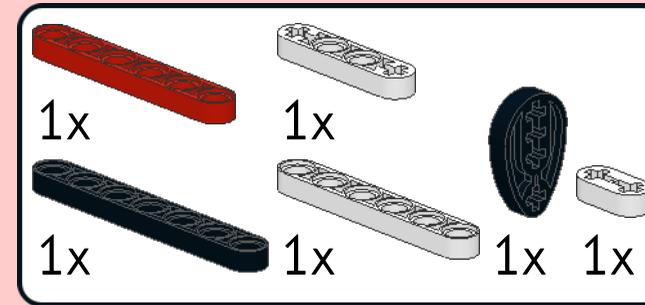
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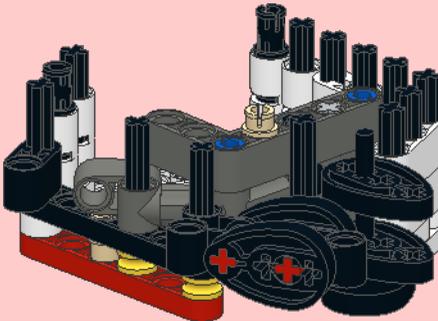
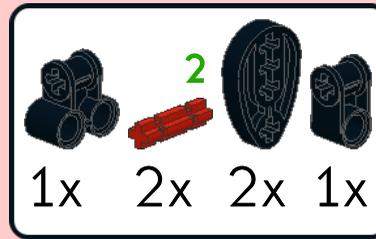
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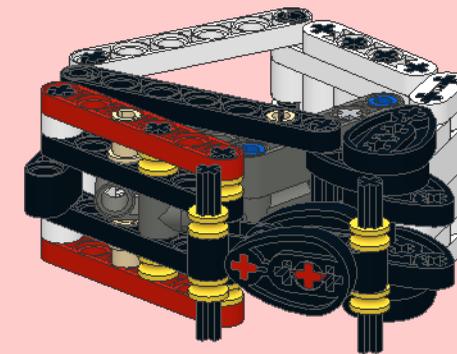
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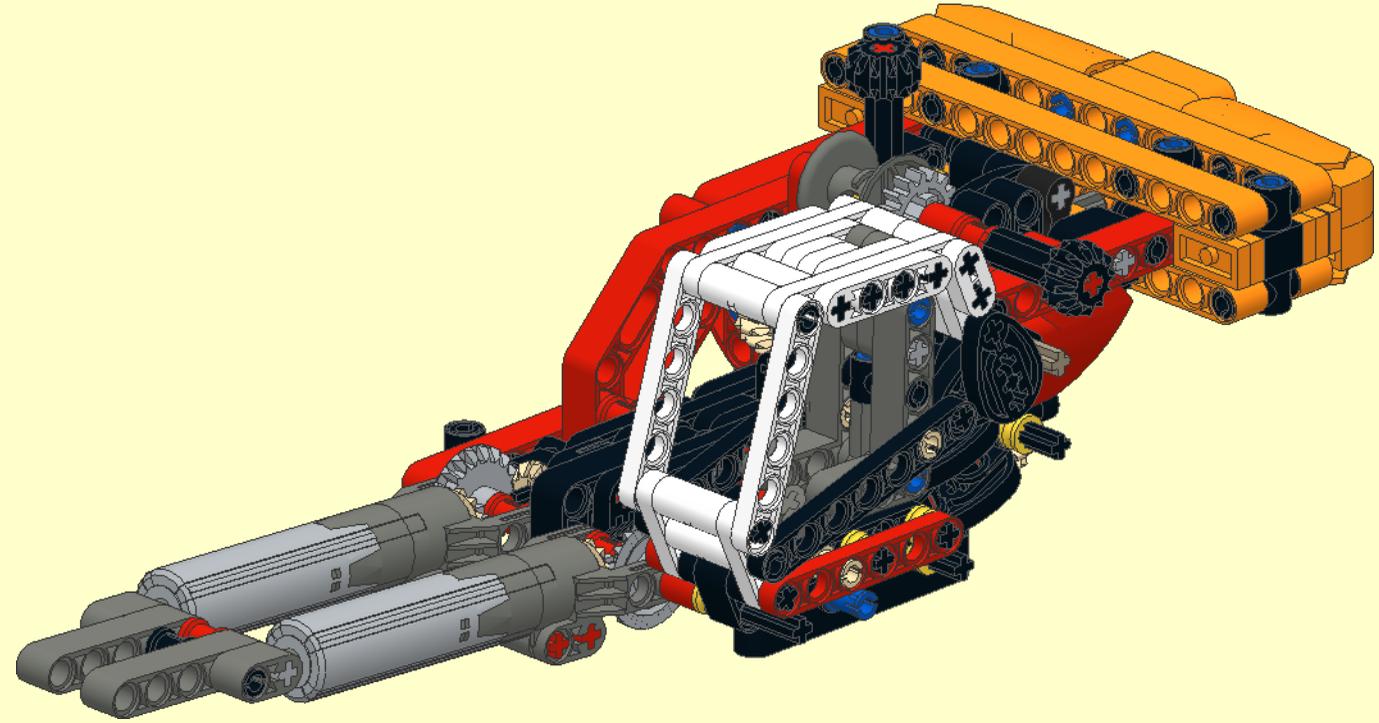
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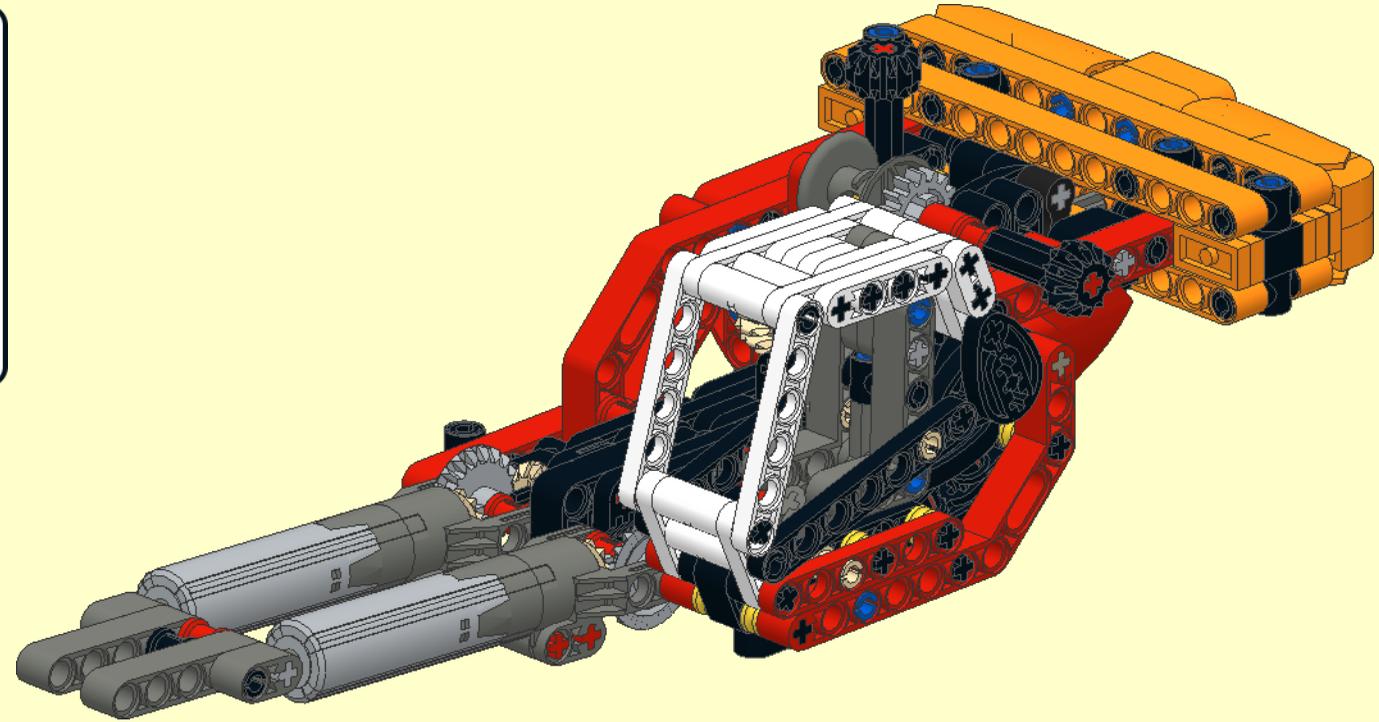
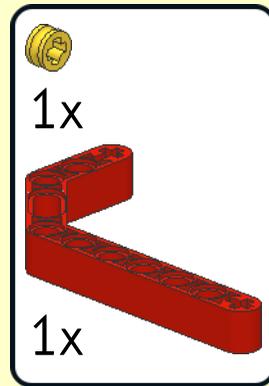
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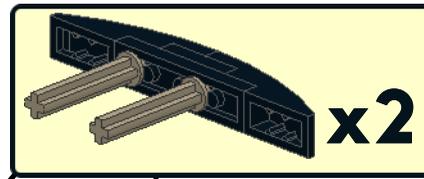
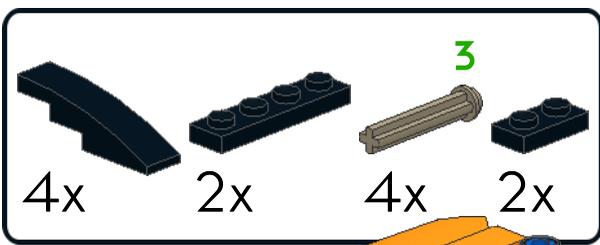
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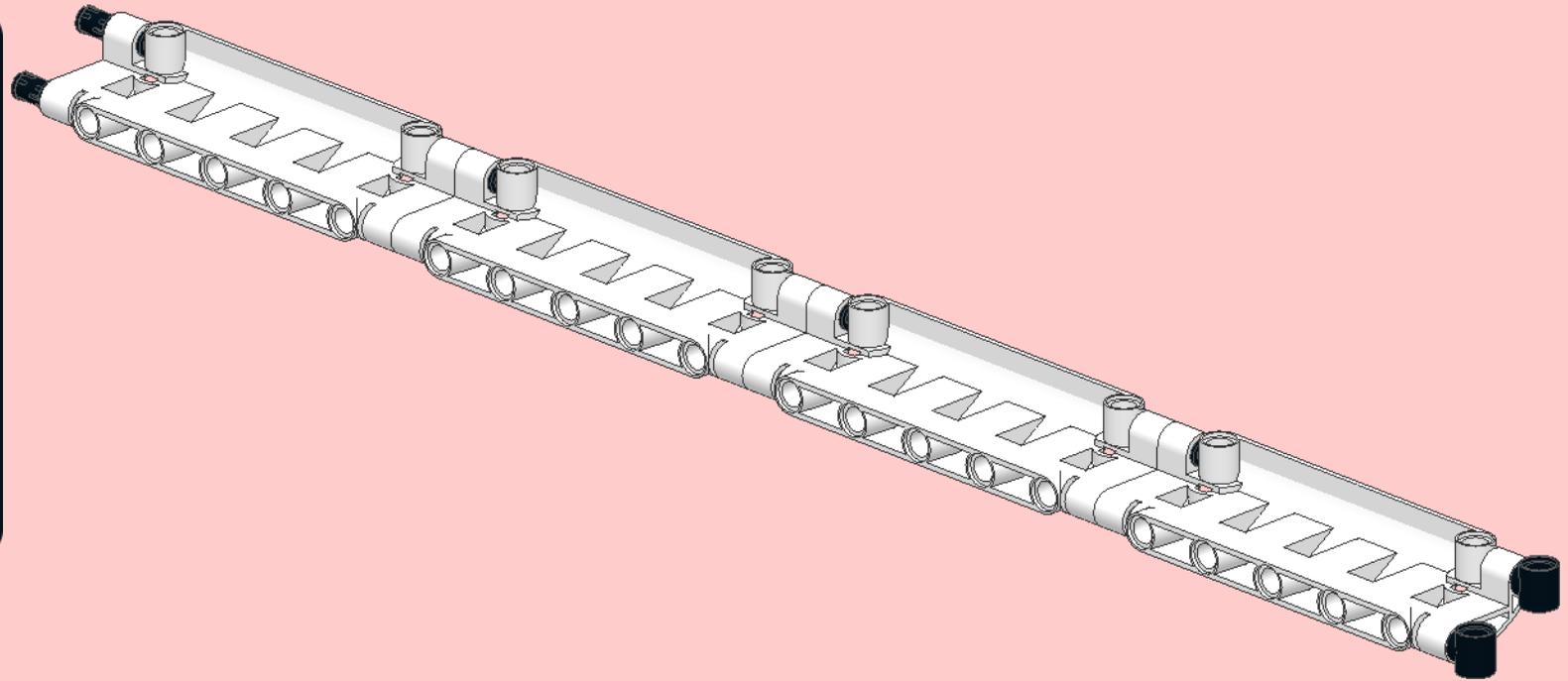
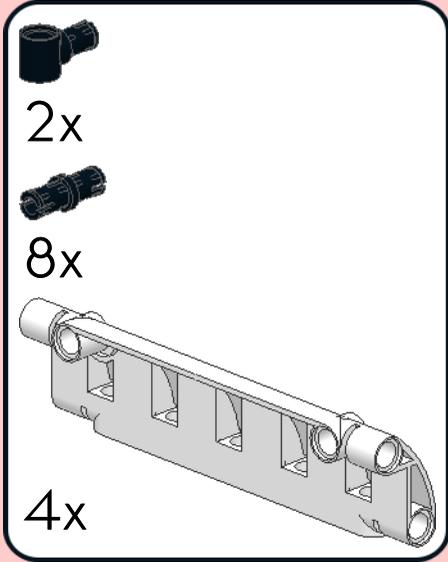
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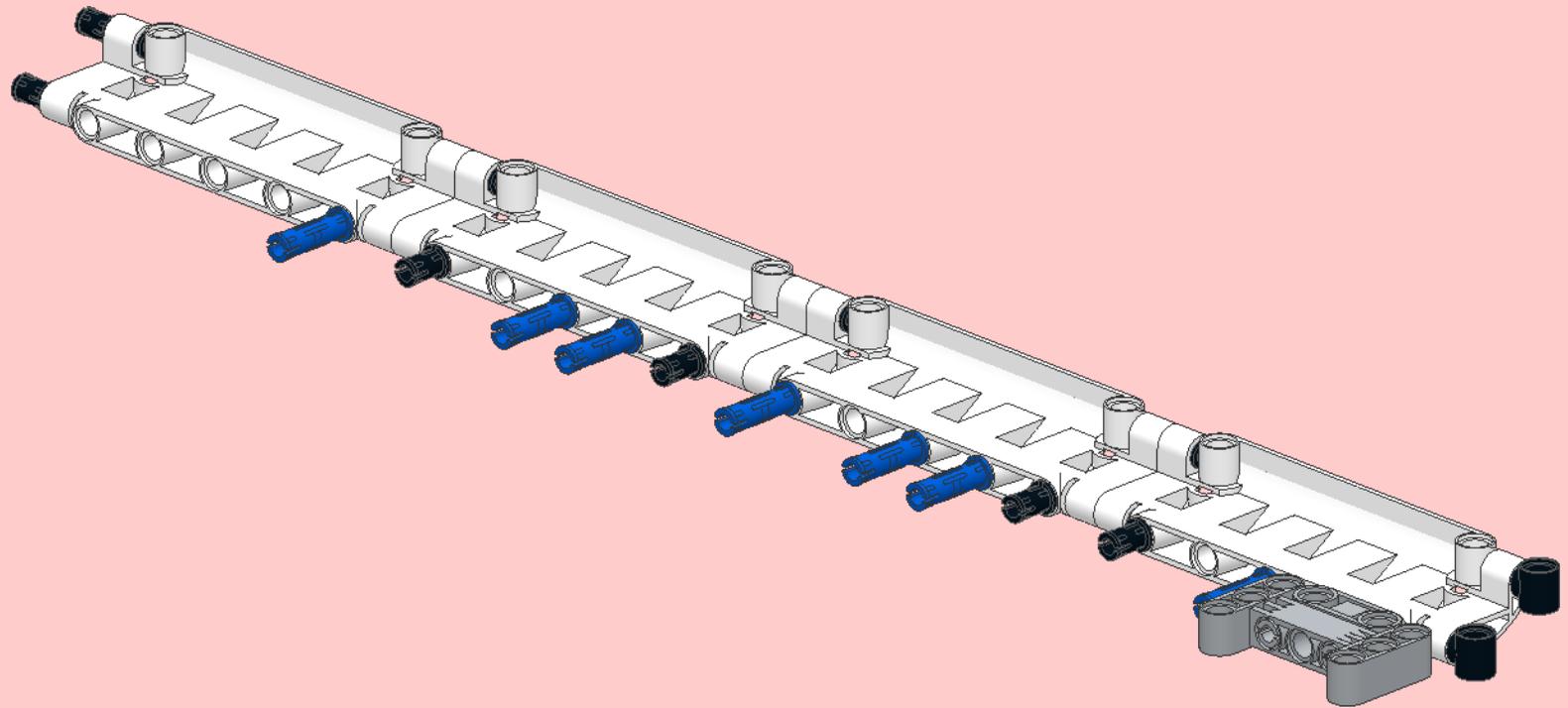
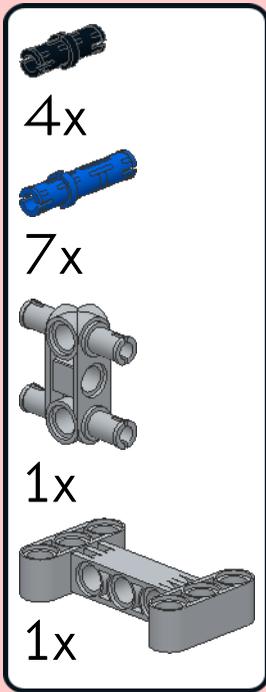
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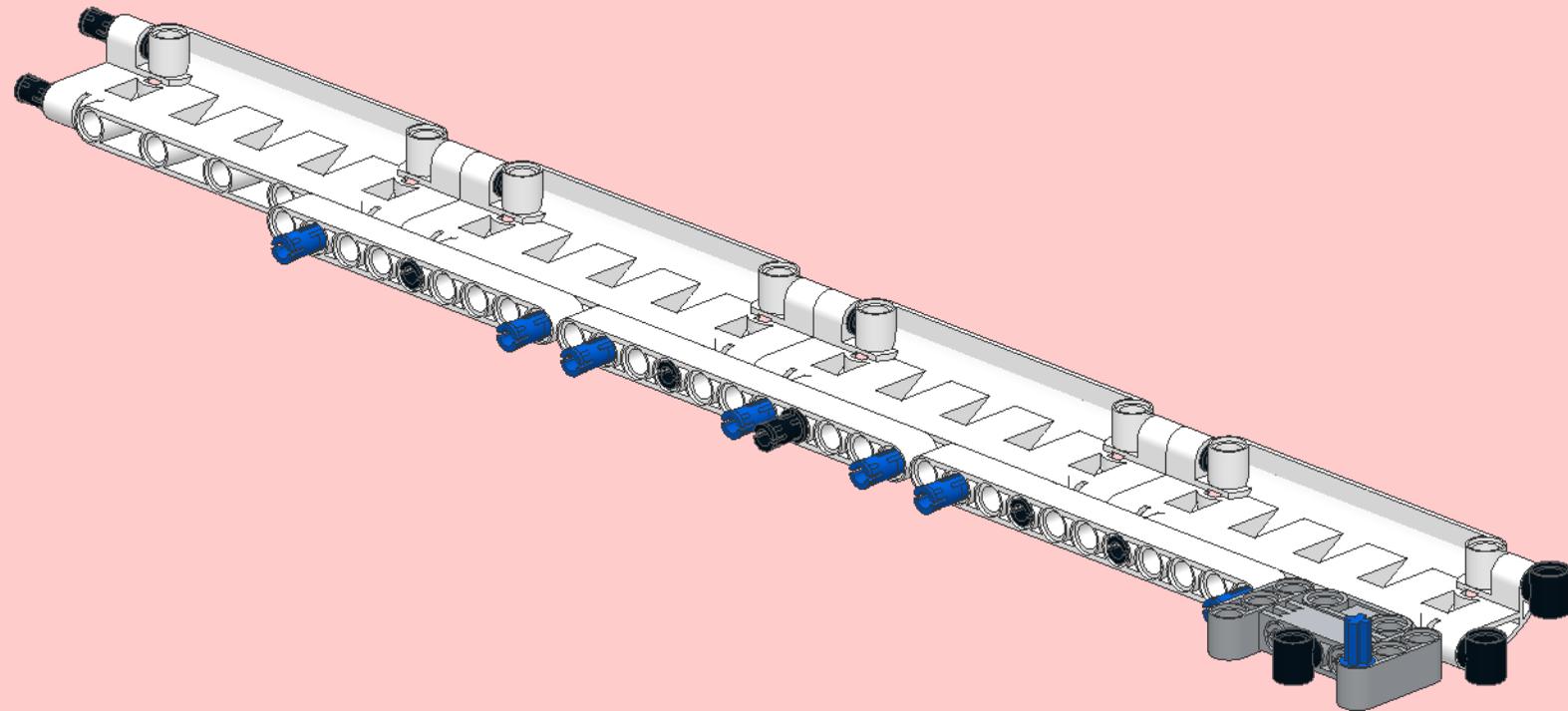
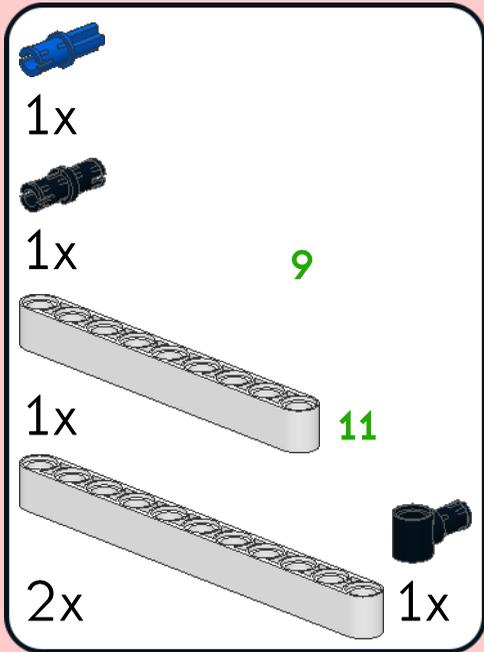
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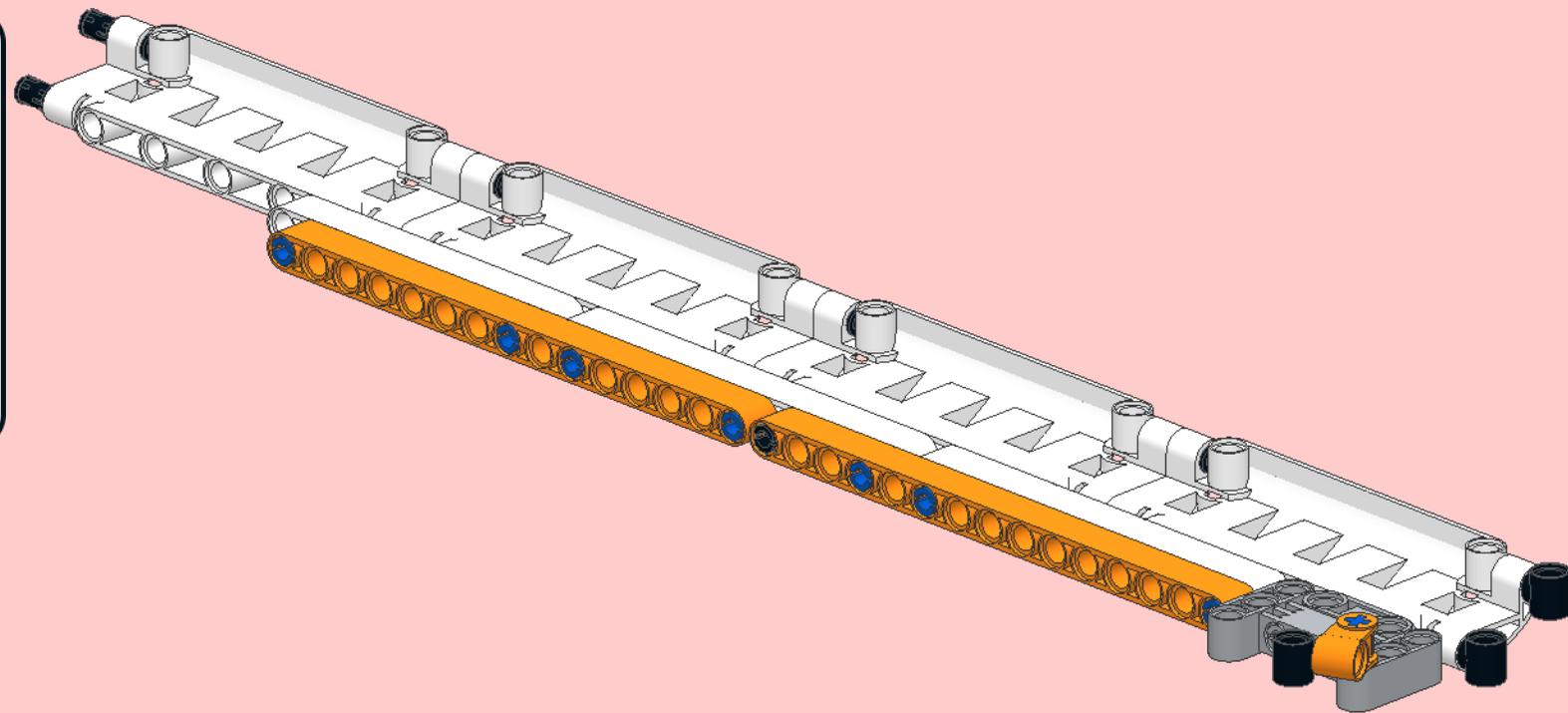
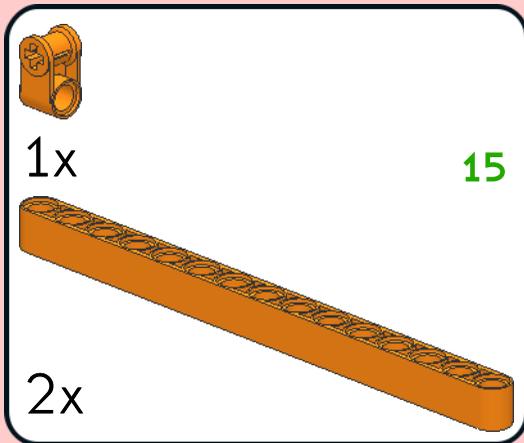
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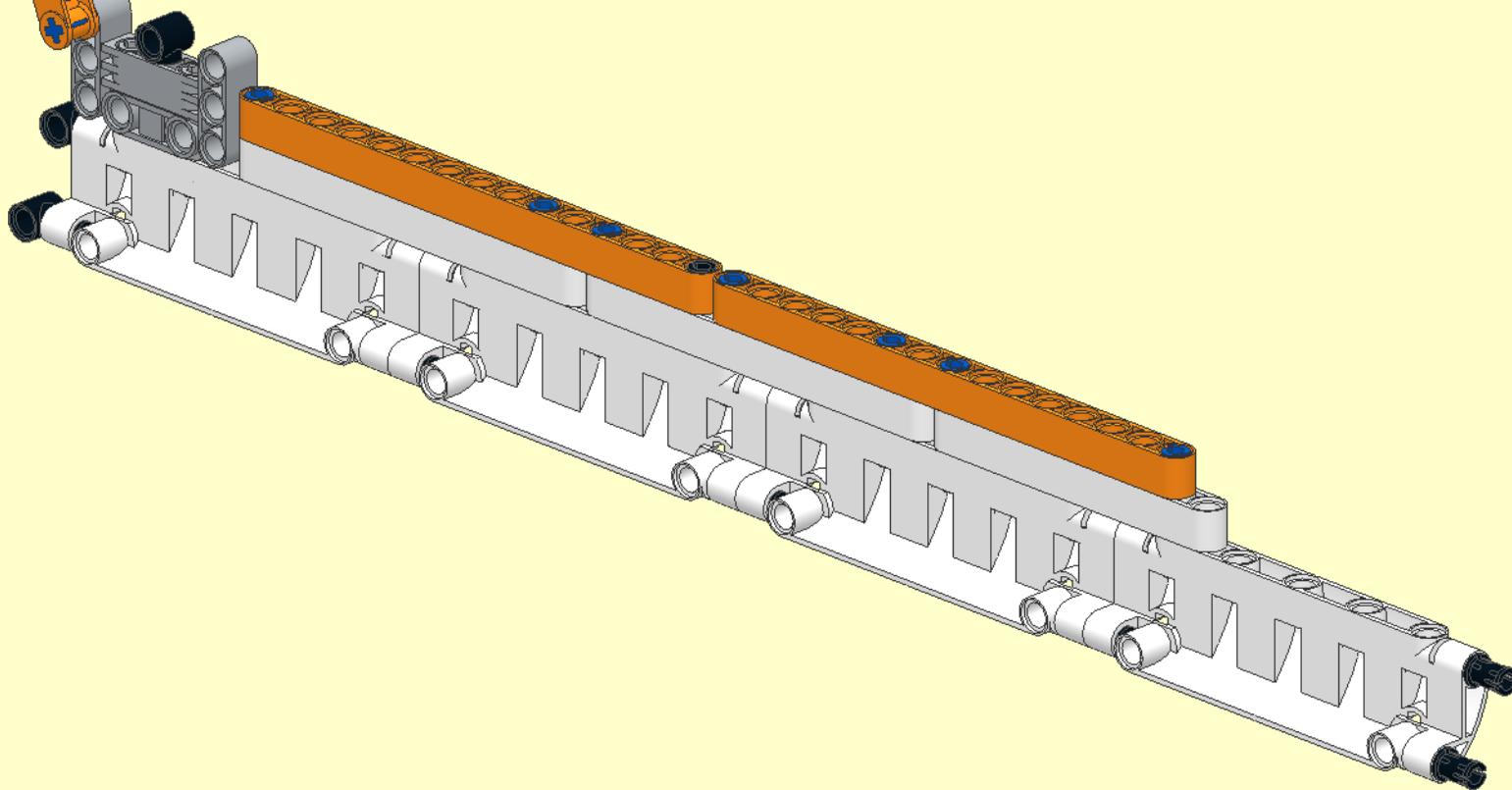
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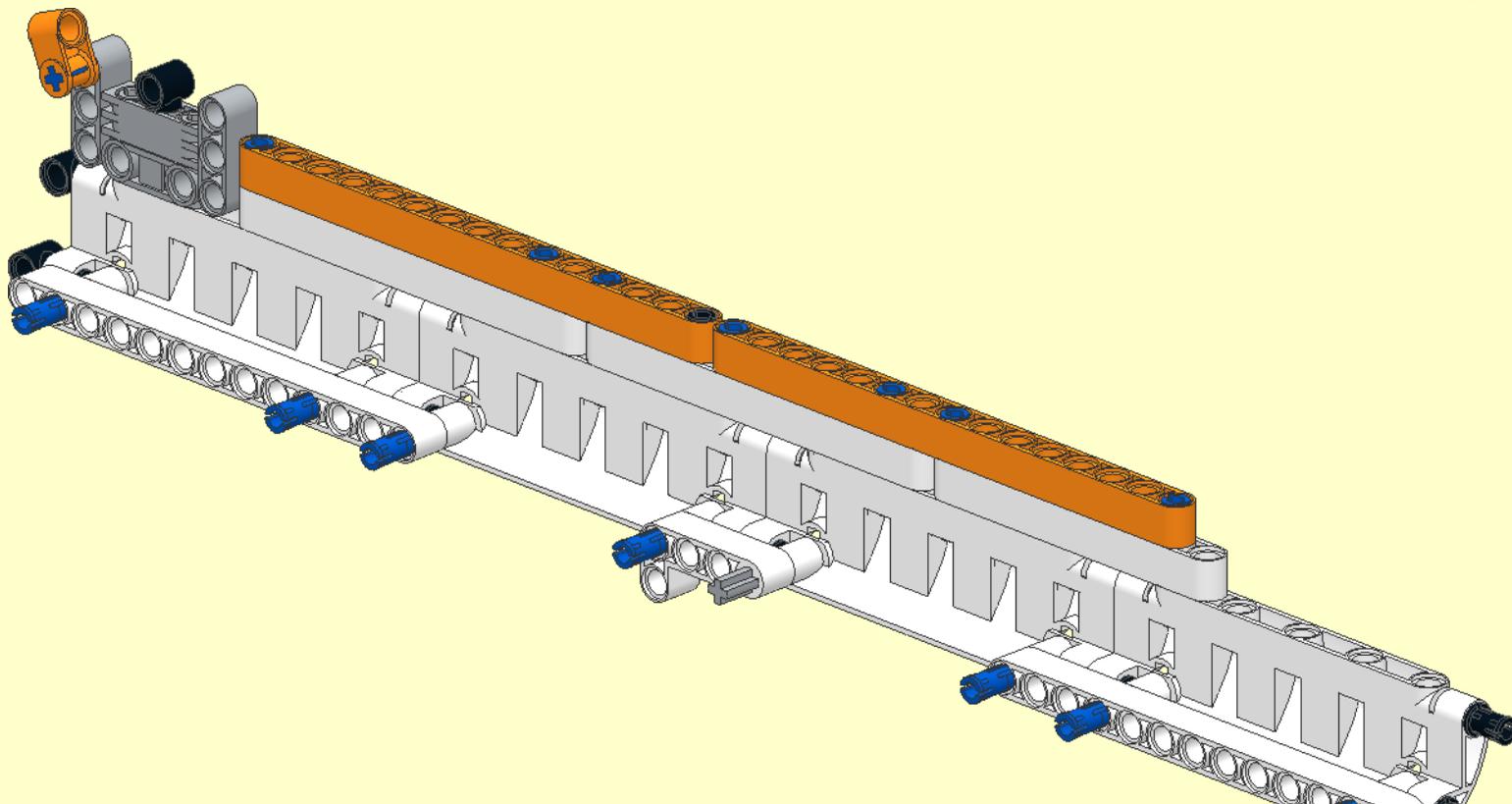
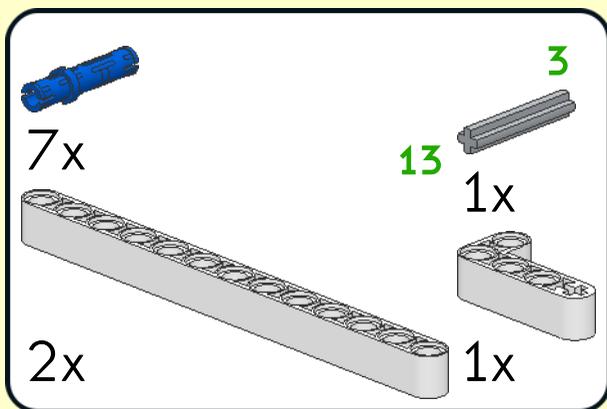
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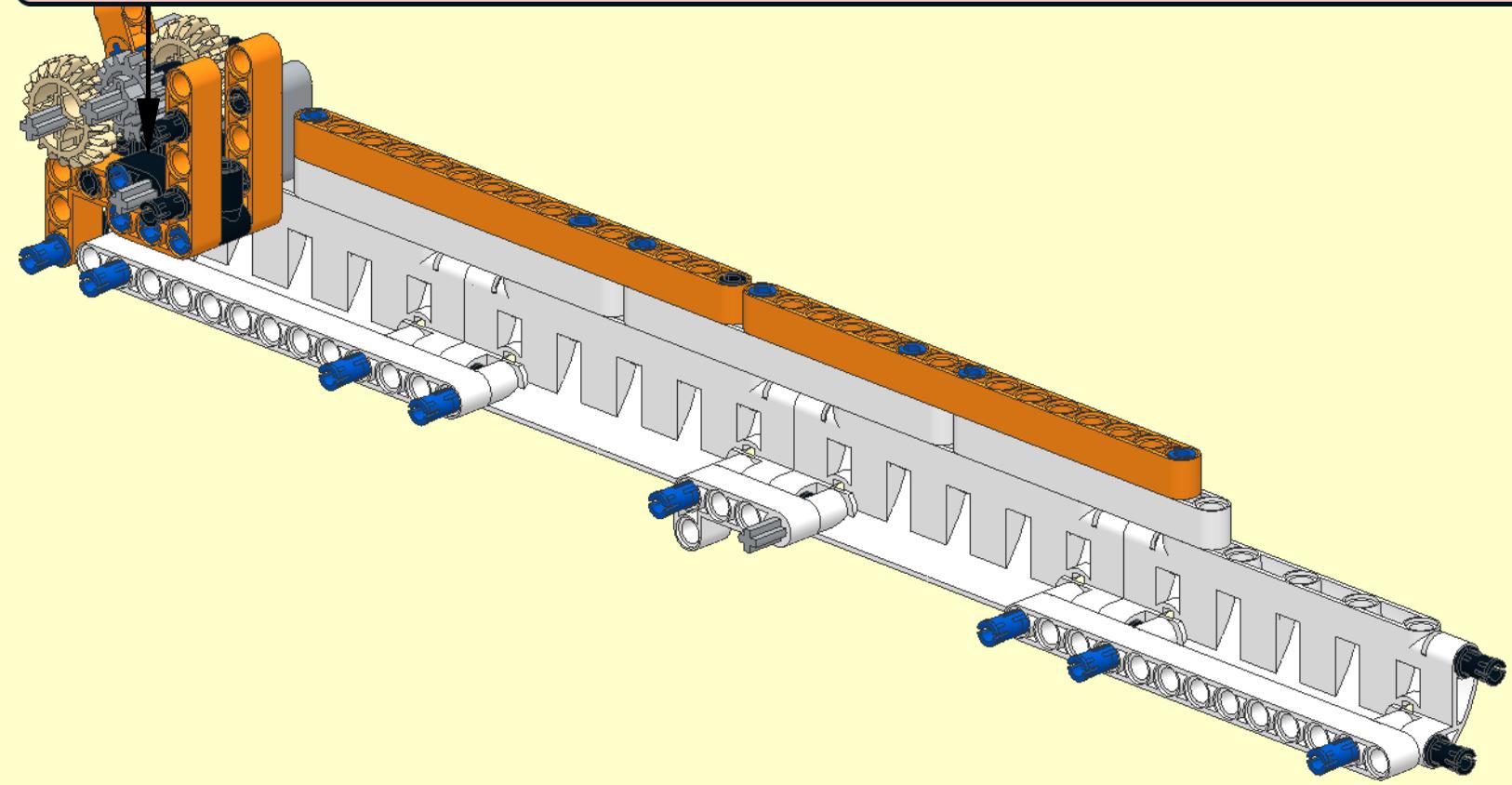
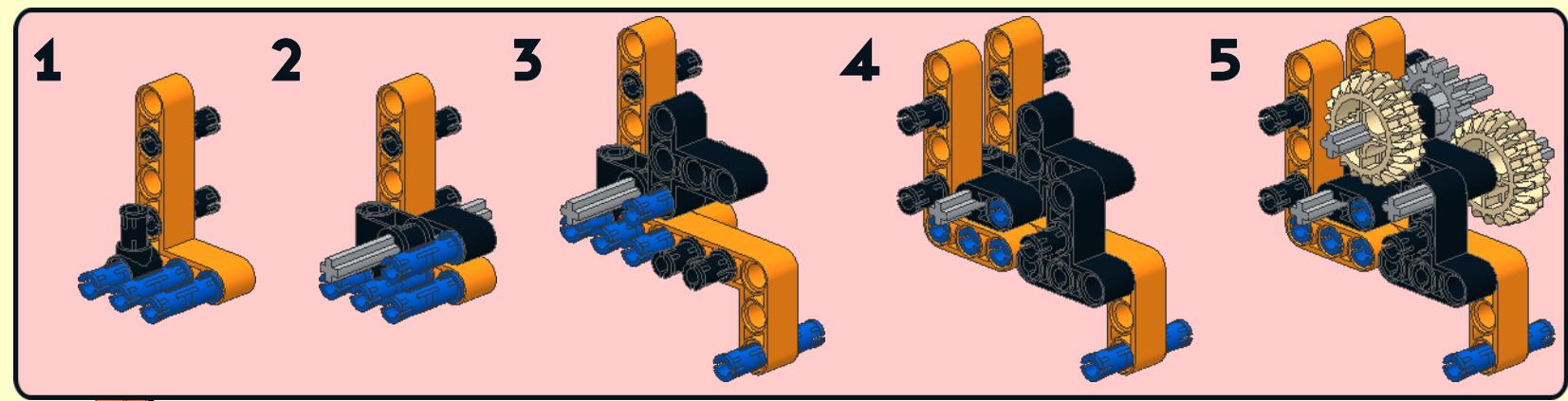


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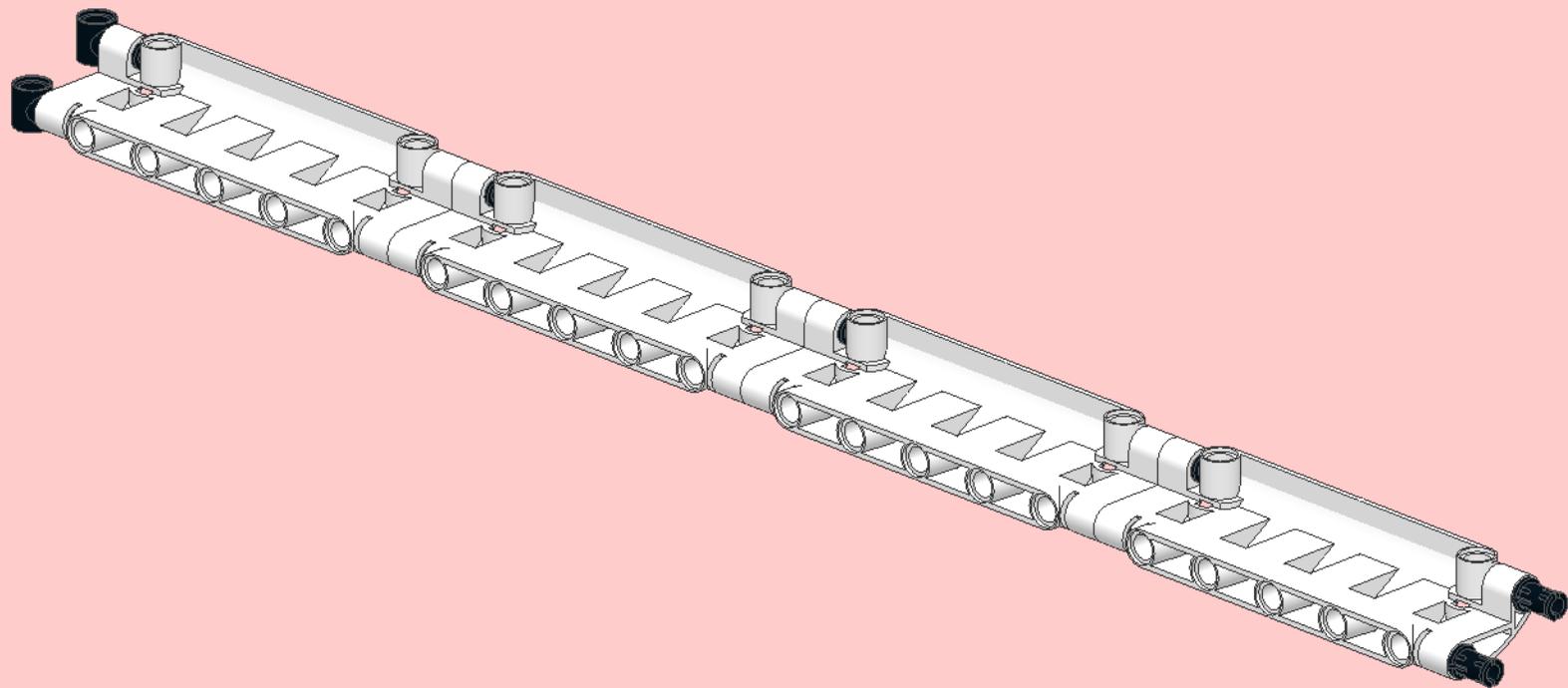
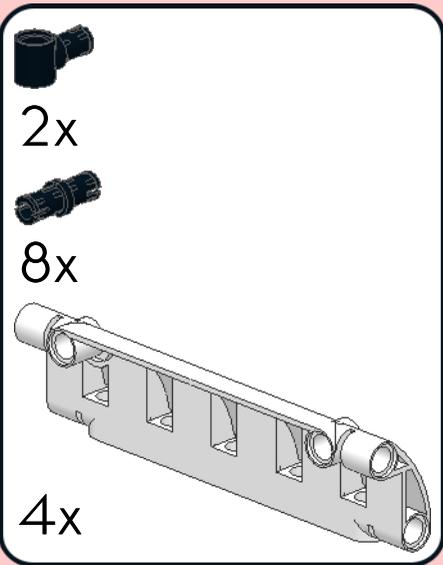


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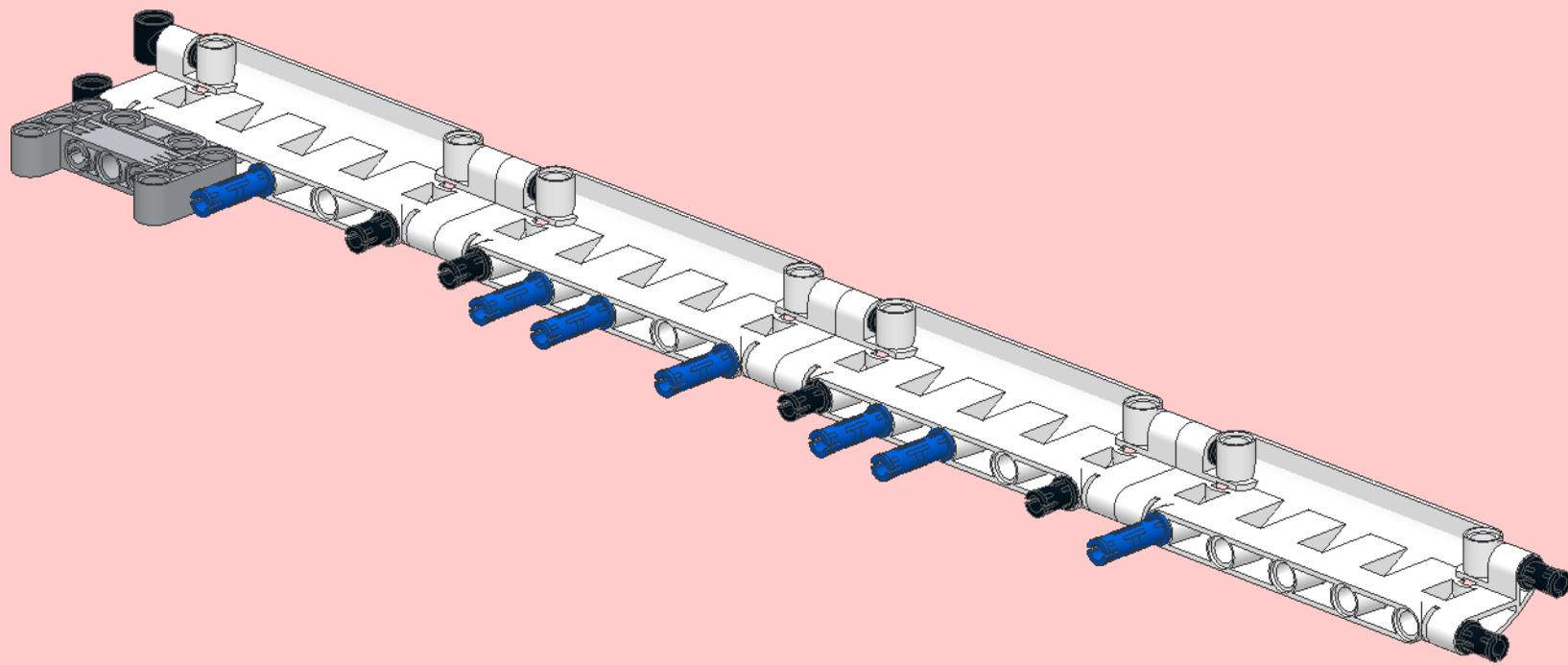
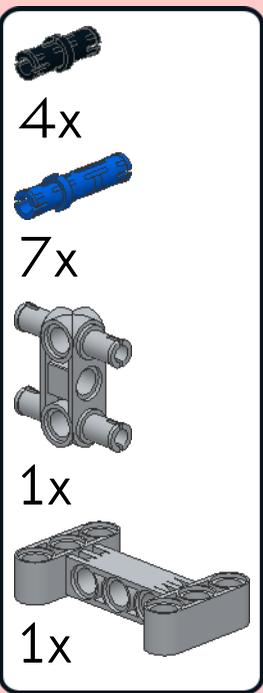
- 5x
- 2x
- 3x
- 3x
- 1x
- 7x
- 1x
- 1x
- 1x
- 2x
- 2x



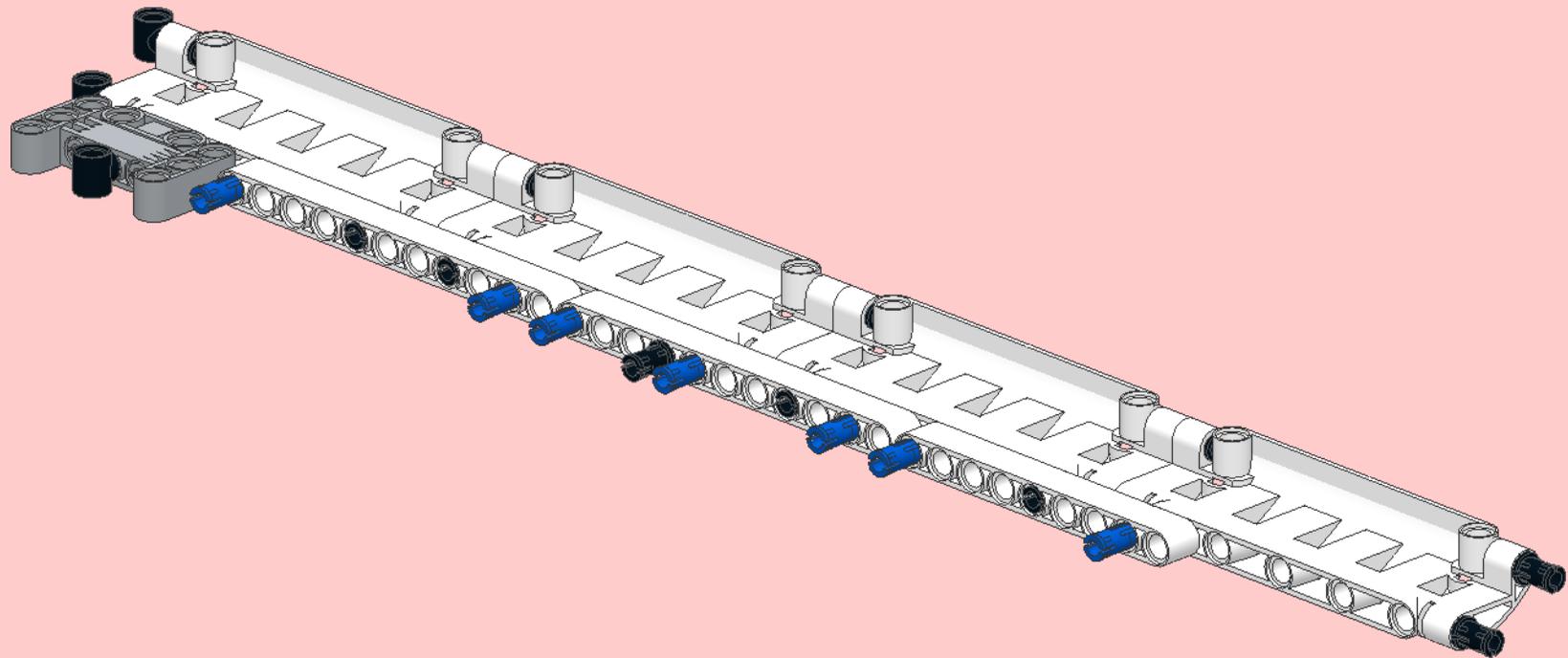
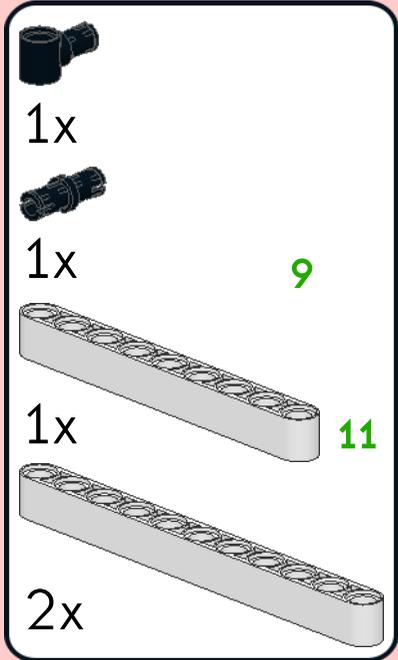
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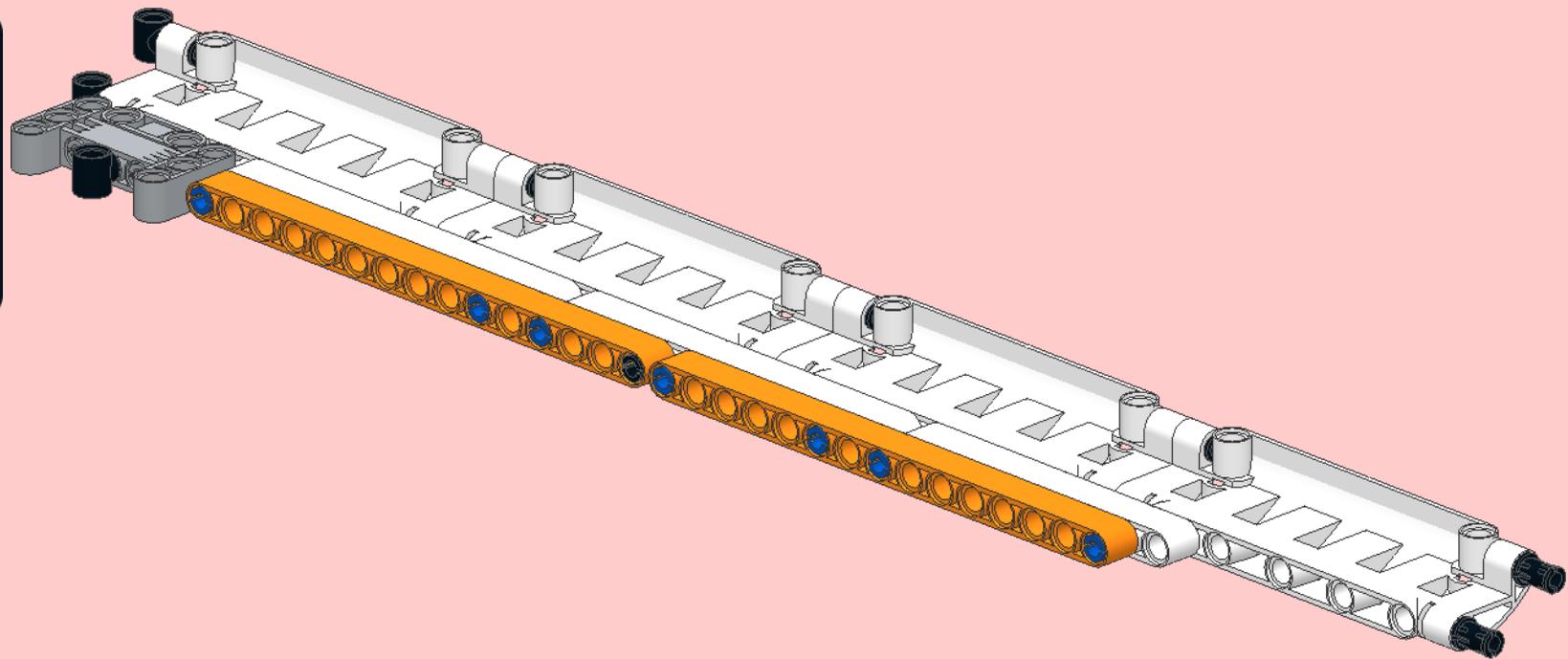
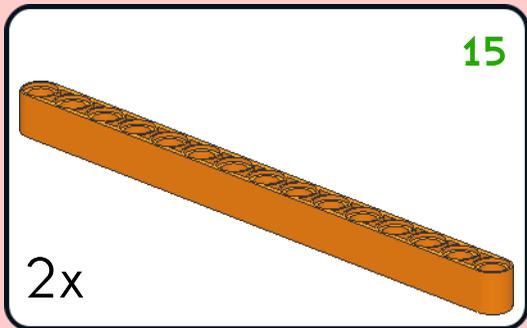
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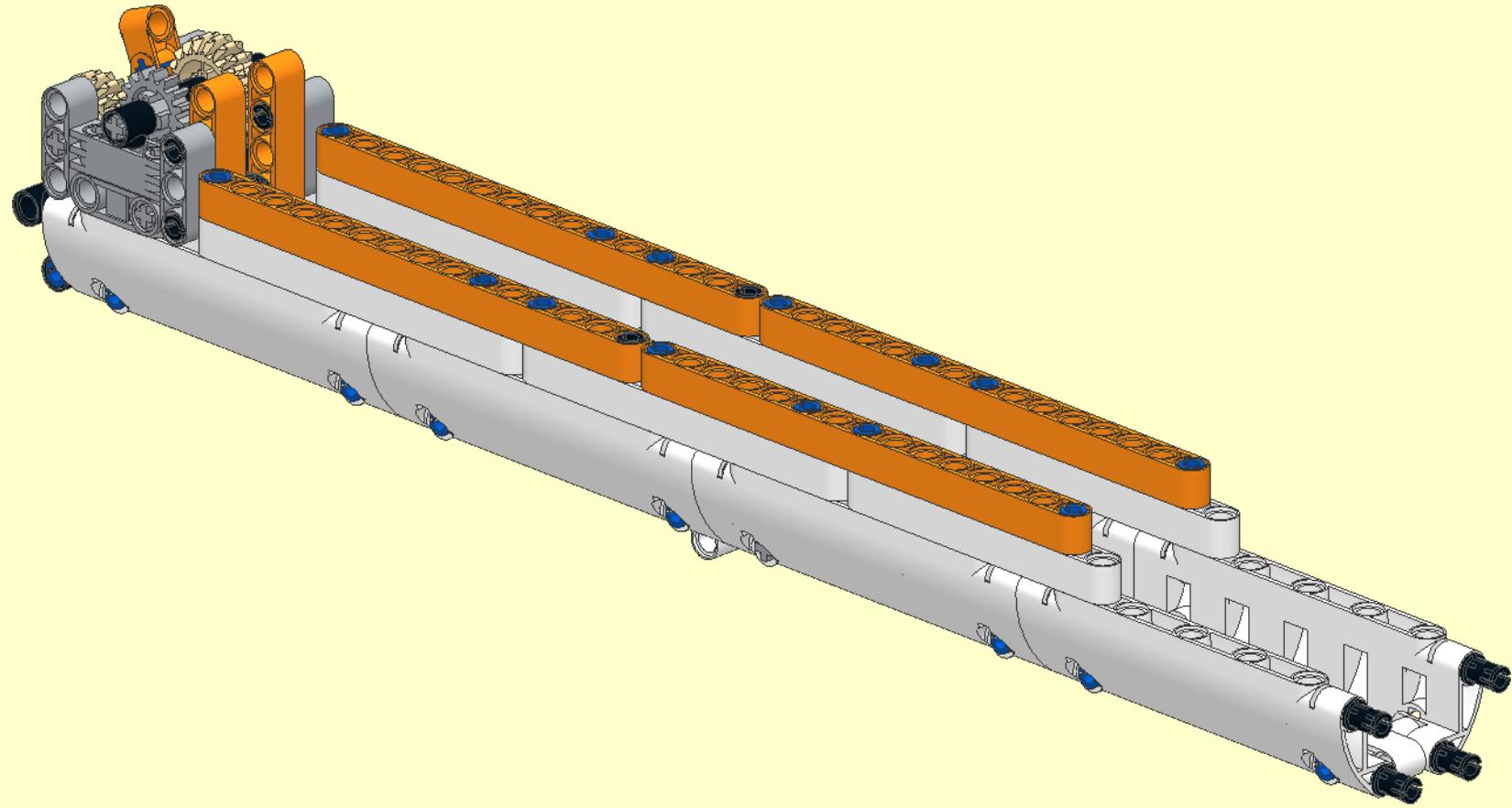


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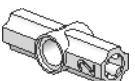
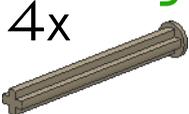


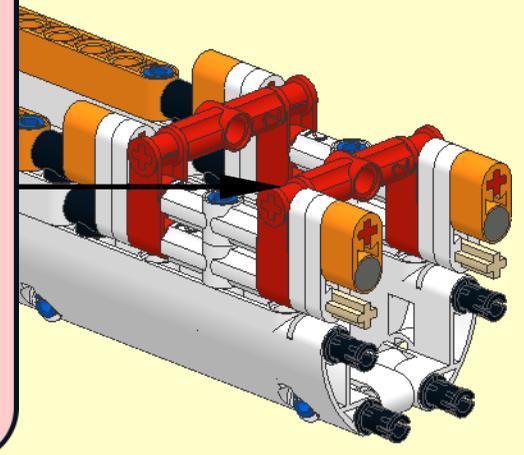
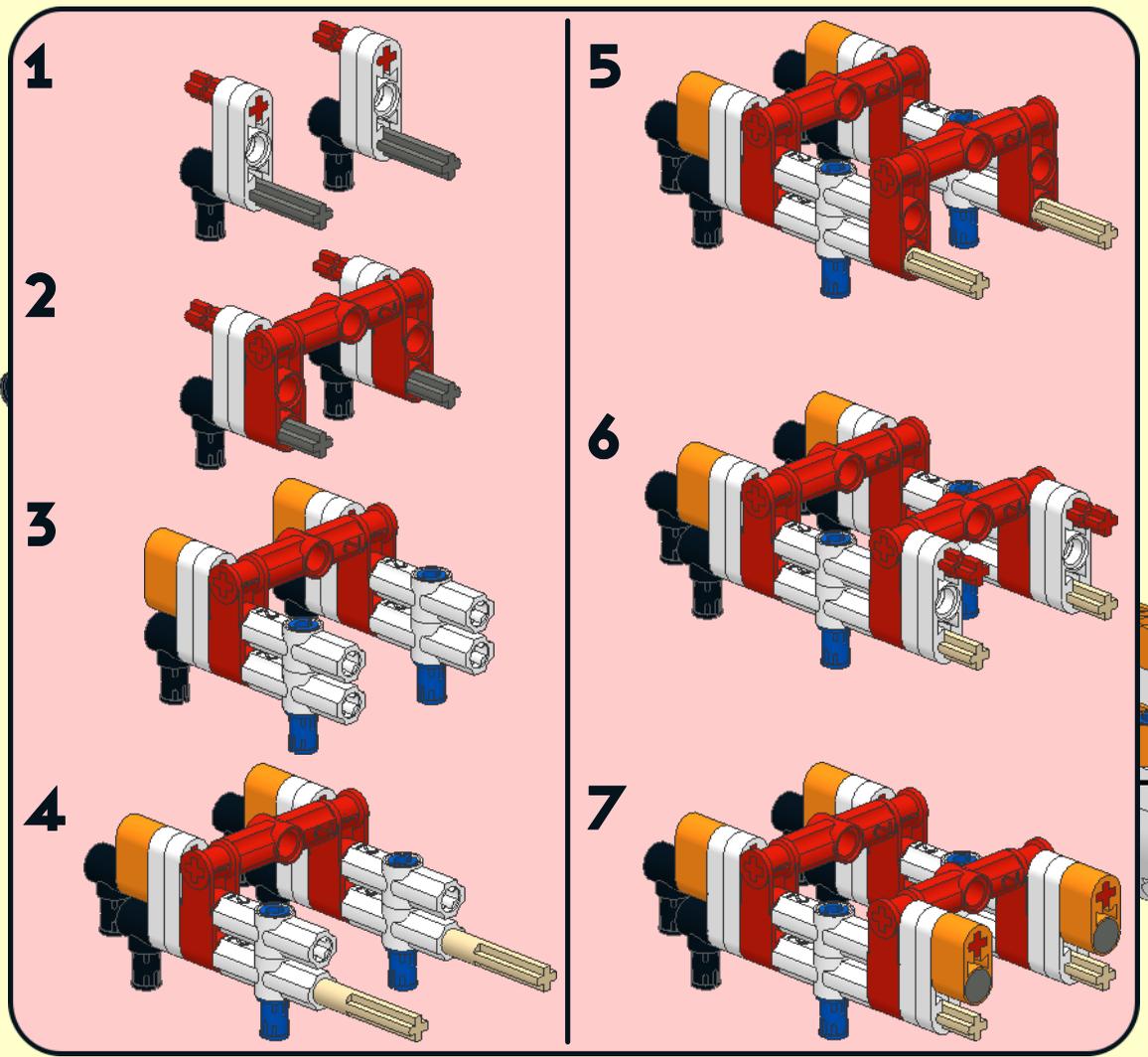
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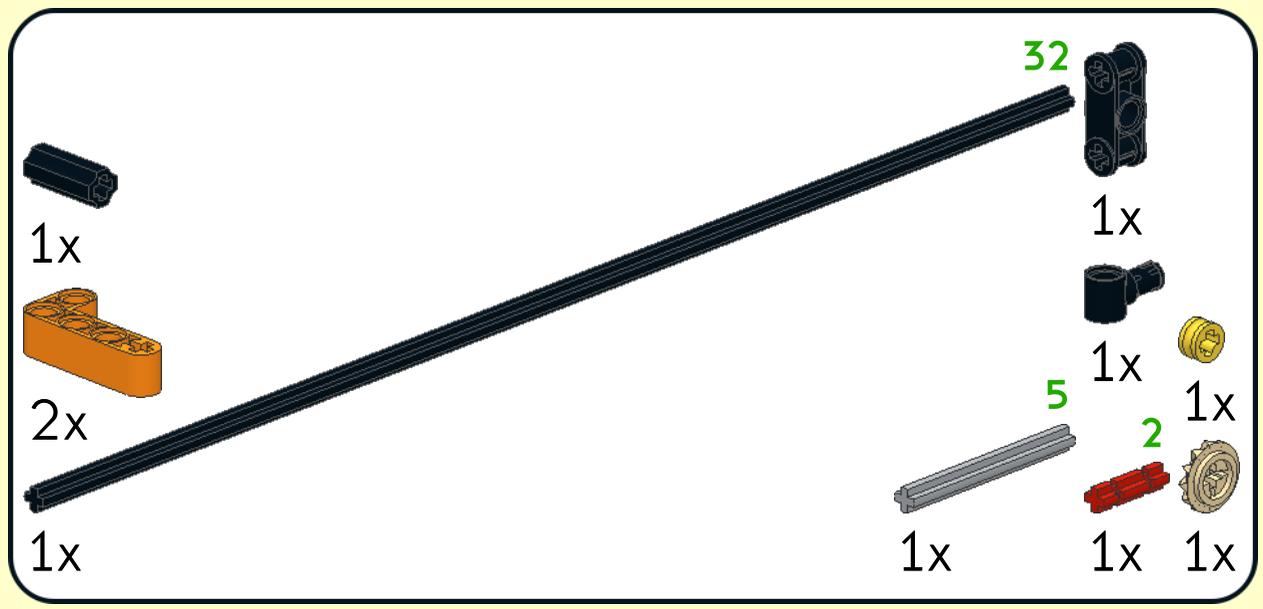


5

- | | |
|---|---|
|  |  |
| 2x | 4x |
|  |  |
| 4x | 4x |
|  |  |
| 2x | 4x |
|  |  |
| 2x | 2 |
|  |  |
| 4x | 8x |
|  |  |
| 2x | 8x |

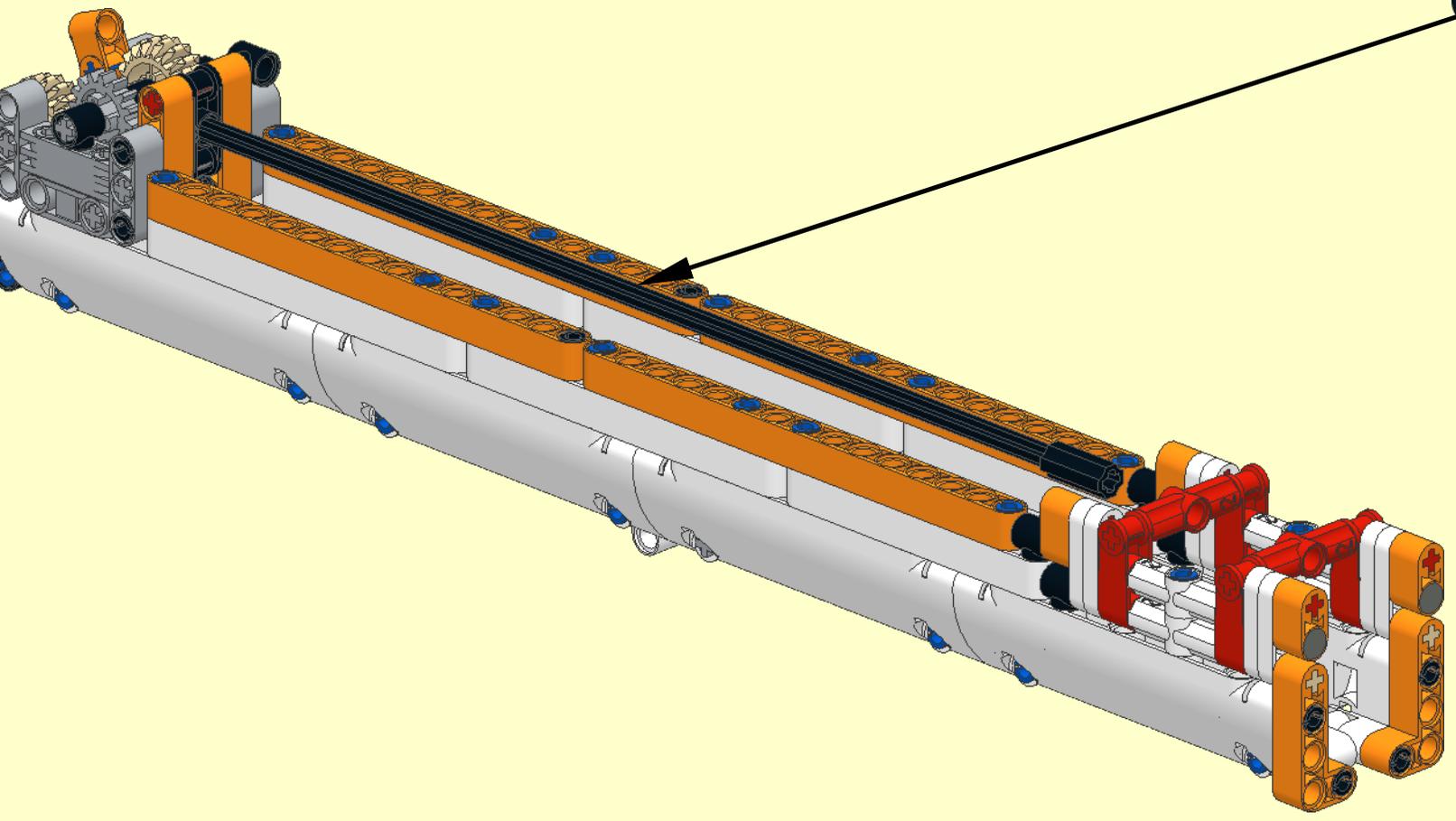
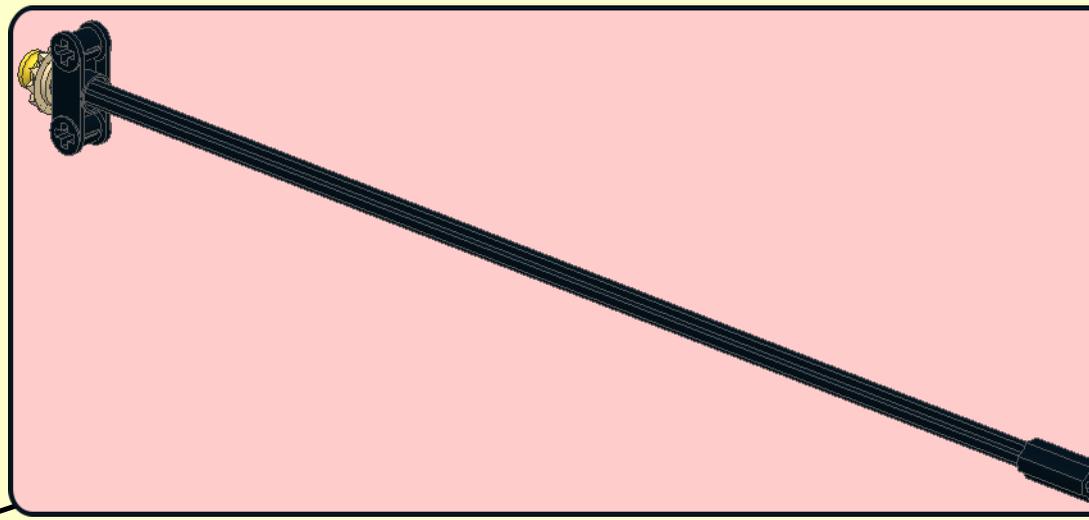


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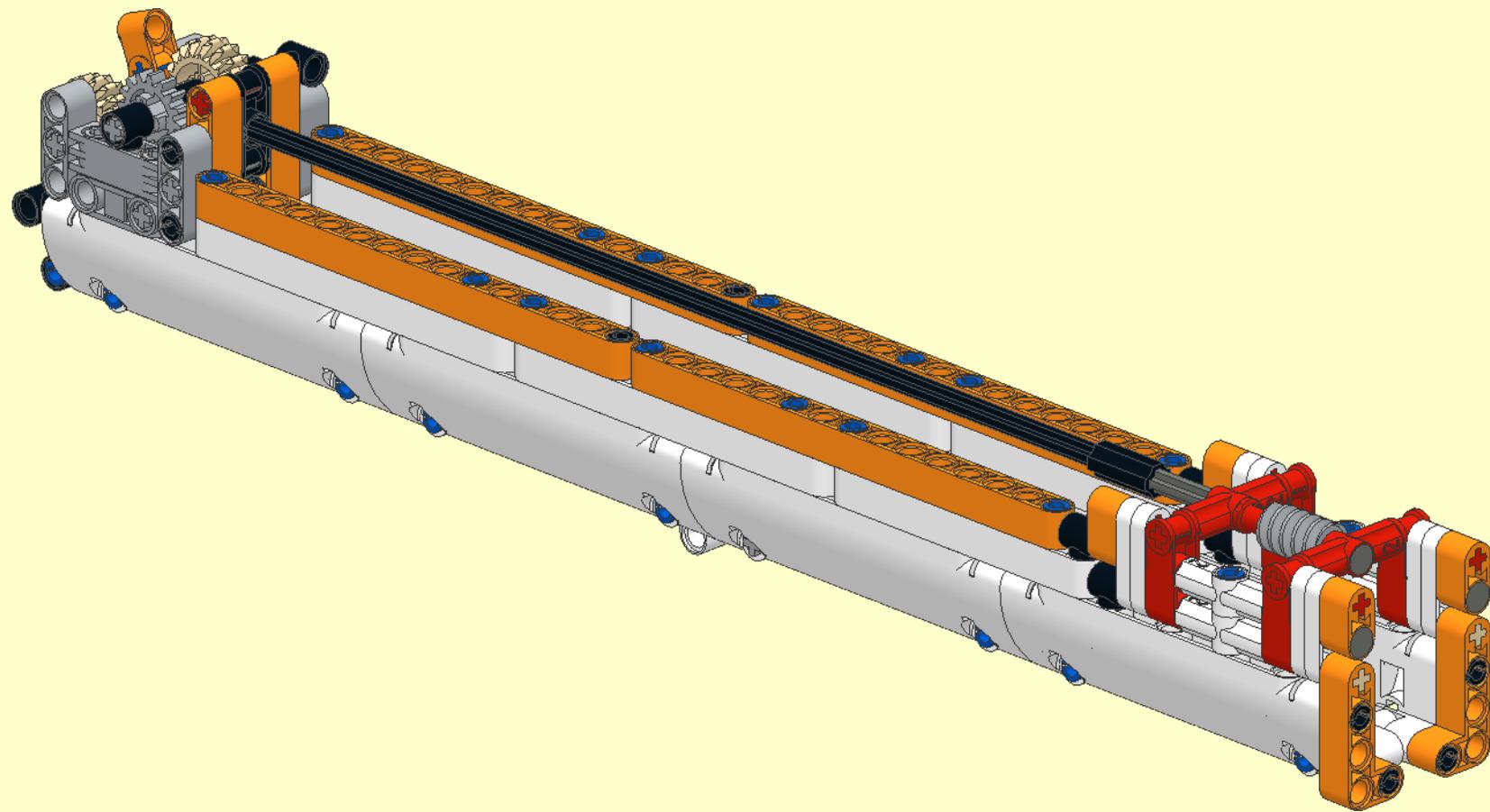
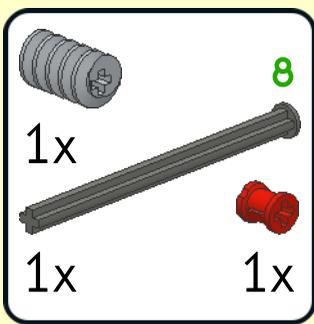


1x
2x
1x
32
1x
1x
5
1x
1x
1x

This block contains a parts list for step 6. It includes: 1 black axle pin, 2 orange 1x3 Technic Technonuts, 1 black axle of length 32, 1 black axle connector, 1 black T-shaped axle pin, 1 grey axle of length 5, 1 red axle pin, 1 yellow axle pin, and 1 tan gear.



7



8

- 1x [Pin with Friction Ridge]
- 1x [Pin with Friction Ridge]
- 2x [Tee Pin]
- 1x [Pin with Friction Ridge]



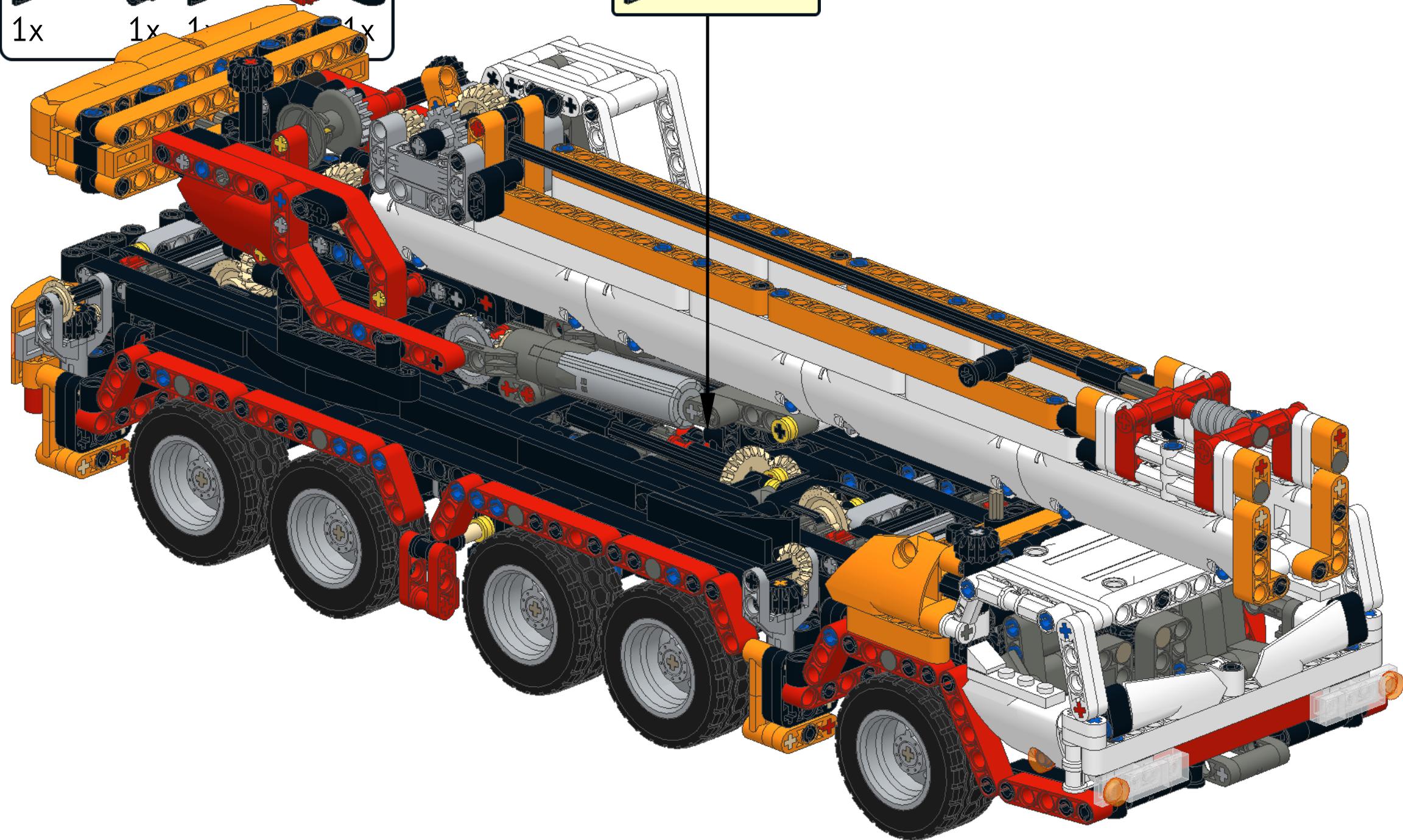
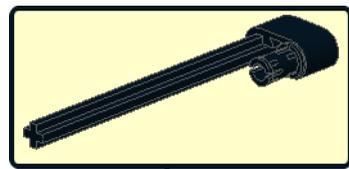
59

2x
1x

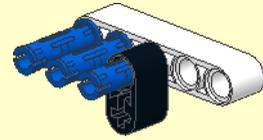
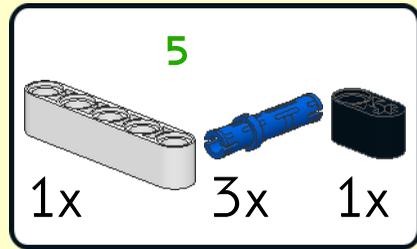
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4

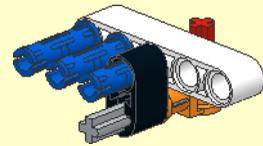
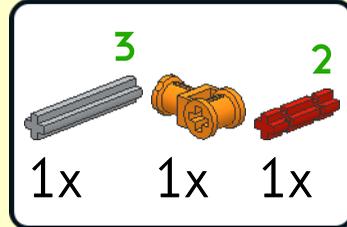
1x 1x 1x 1x



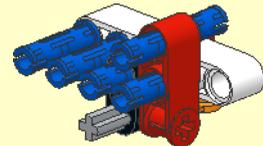
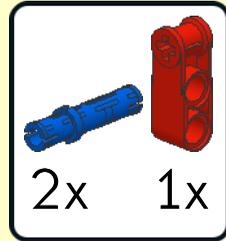
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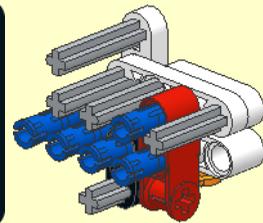
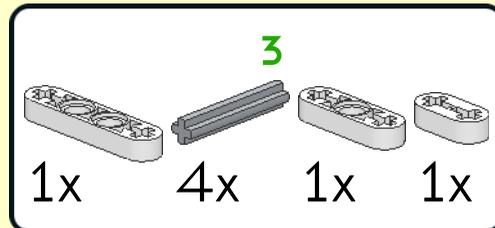
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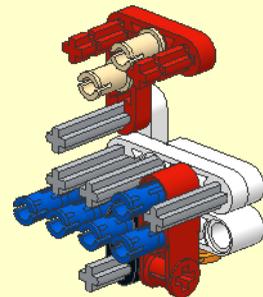
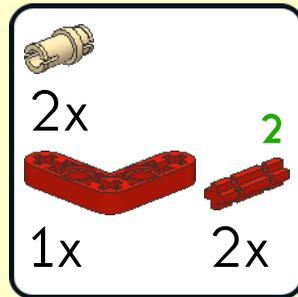
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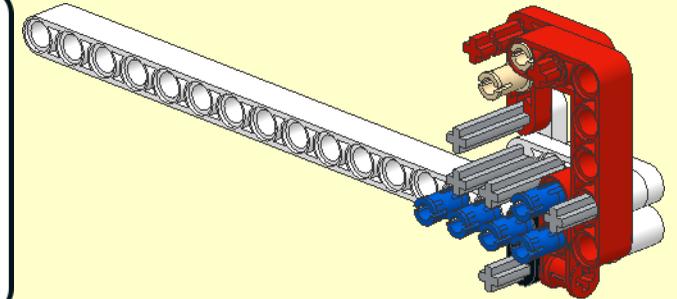
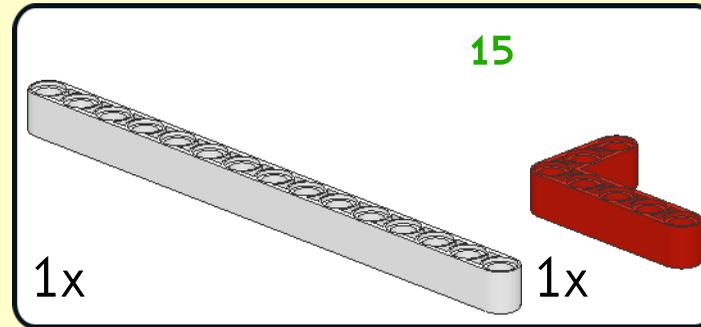
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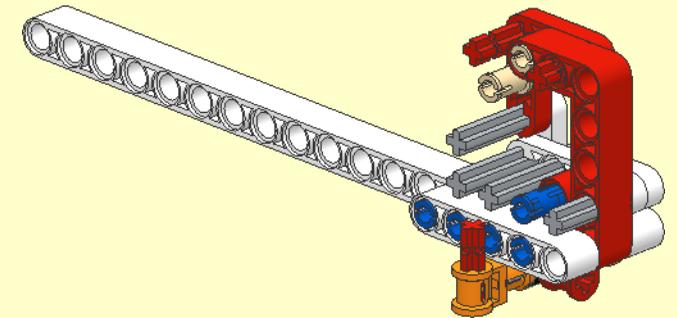
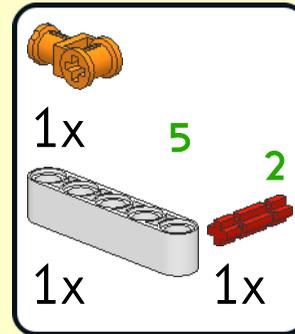
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6

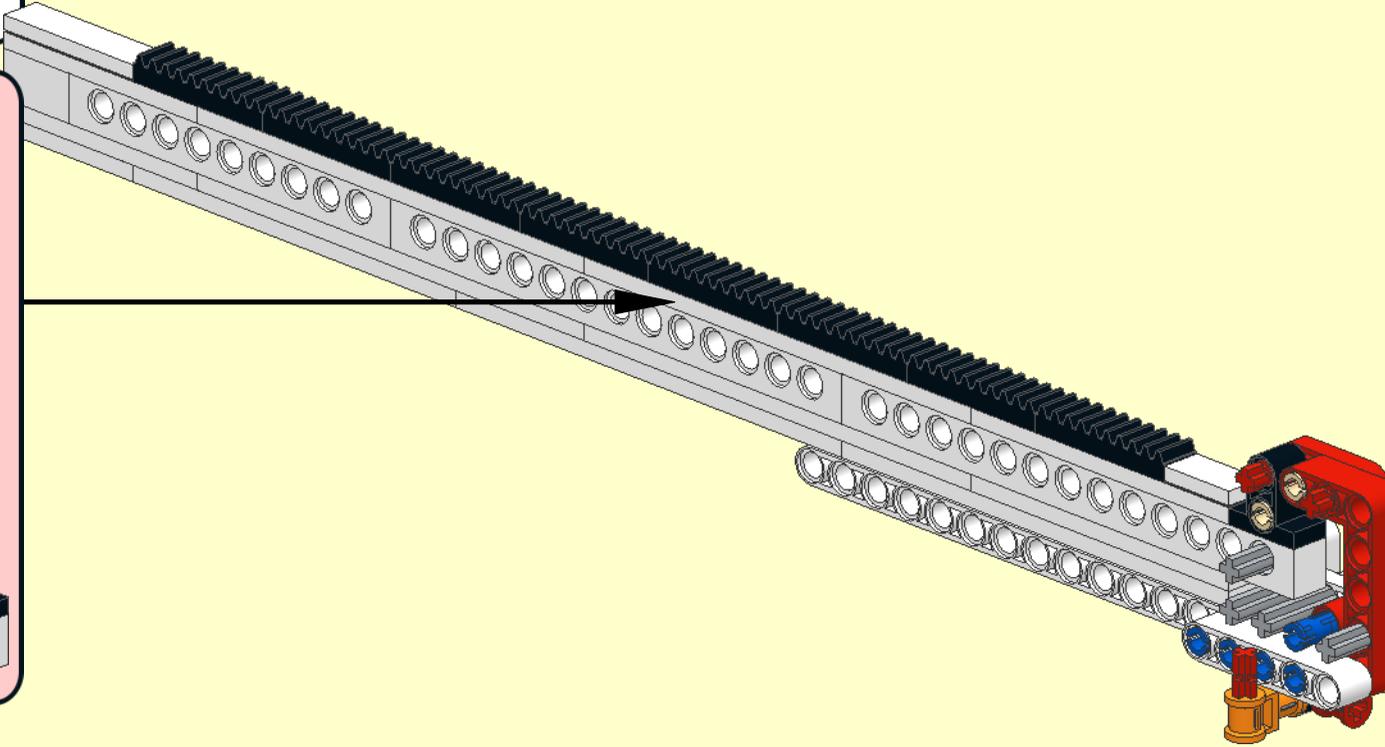
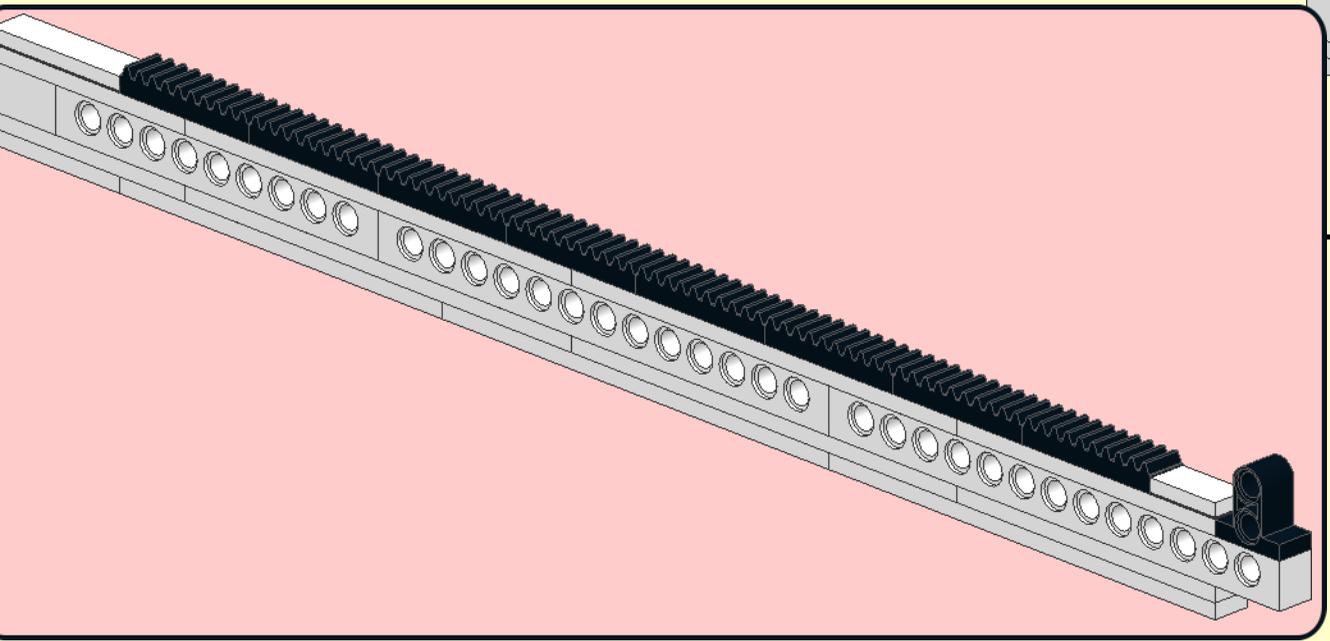


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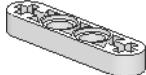


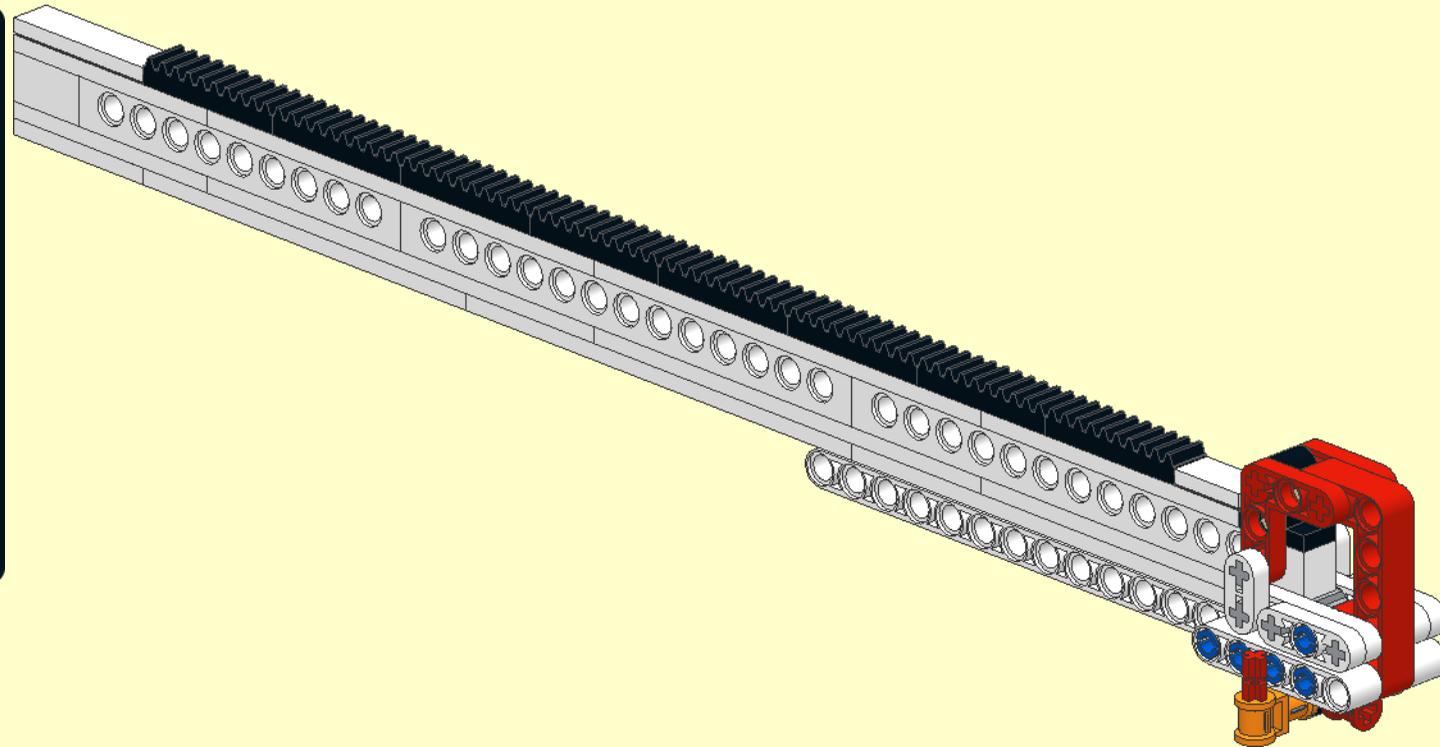
8

- 1x [1x 1-hole white Technic brick]
- 1x [1x 11-hole white Technic Technic beam]
- 6x [6x 11-hole white Technic Technic beam with holes]
- 2x [2x 11-hole white Technic Technic beam with holes]
- 2x [2x 11-hole white Technic Technic beam with holes]
- 1x [1x 11-hole white Technic Technic beam with holes]
- 1x [1x 11-hole white Technic Technic beam with holes]
- 8x [8x black Technic Technic beam with holes]
- 2x [2x 11-hole white Technic Technic beam with holes]
- 1x [1x 2-hole white Technic Technic brick]
- 1x [1x black Technic Technic bush]



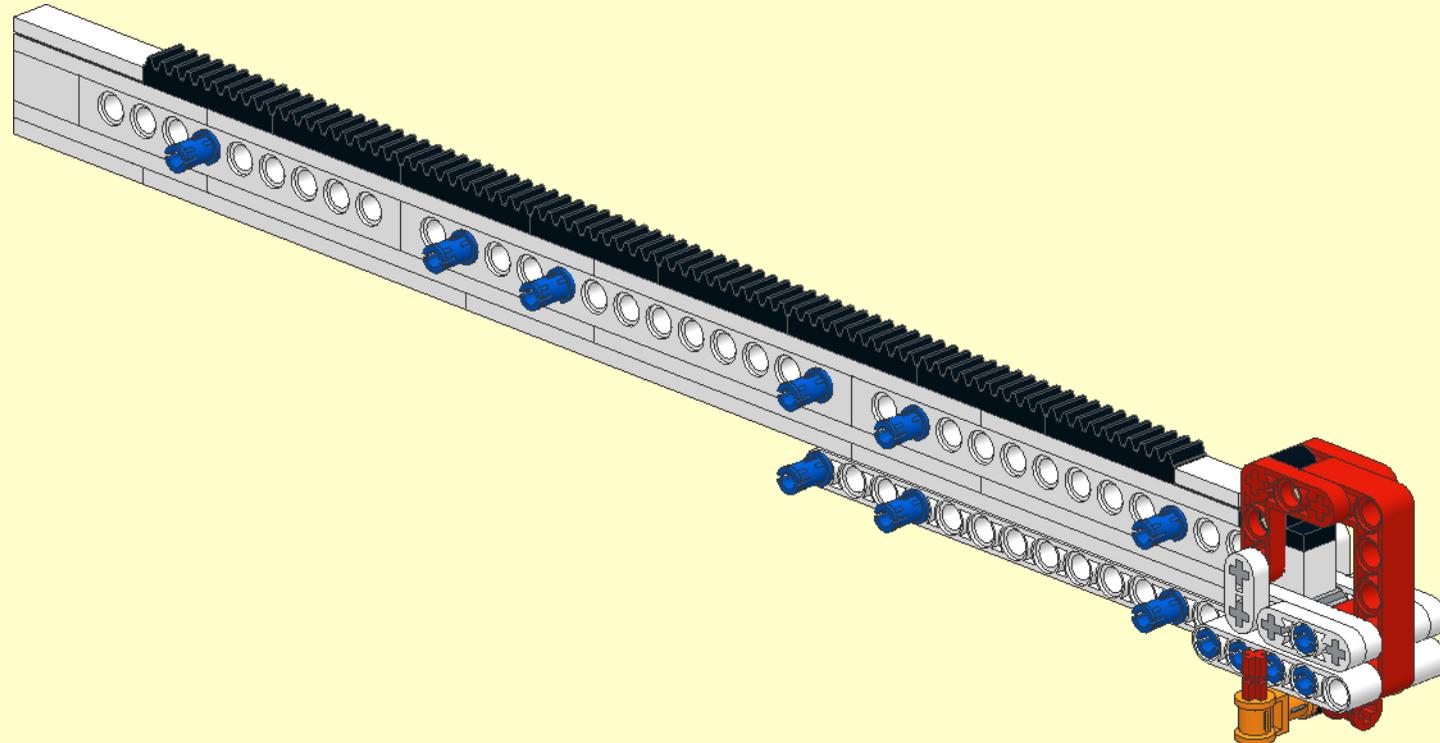
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- 1x 
- 1x 
- 1x 
- 1x 
- 1x 

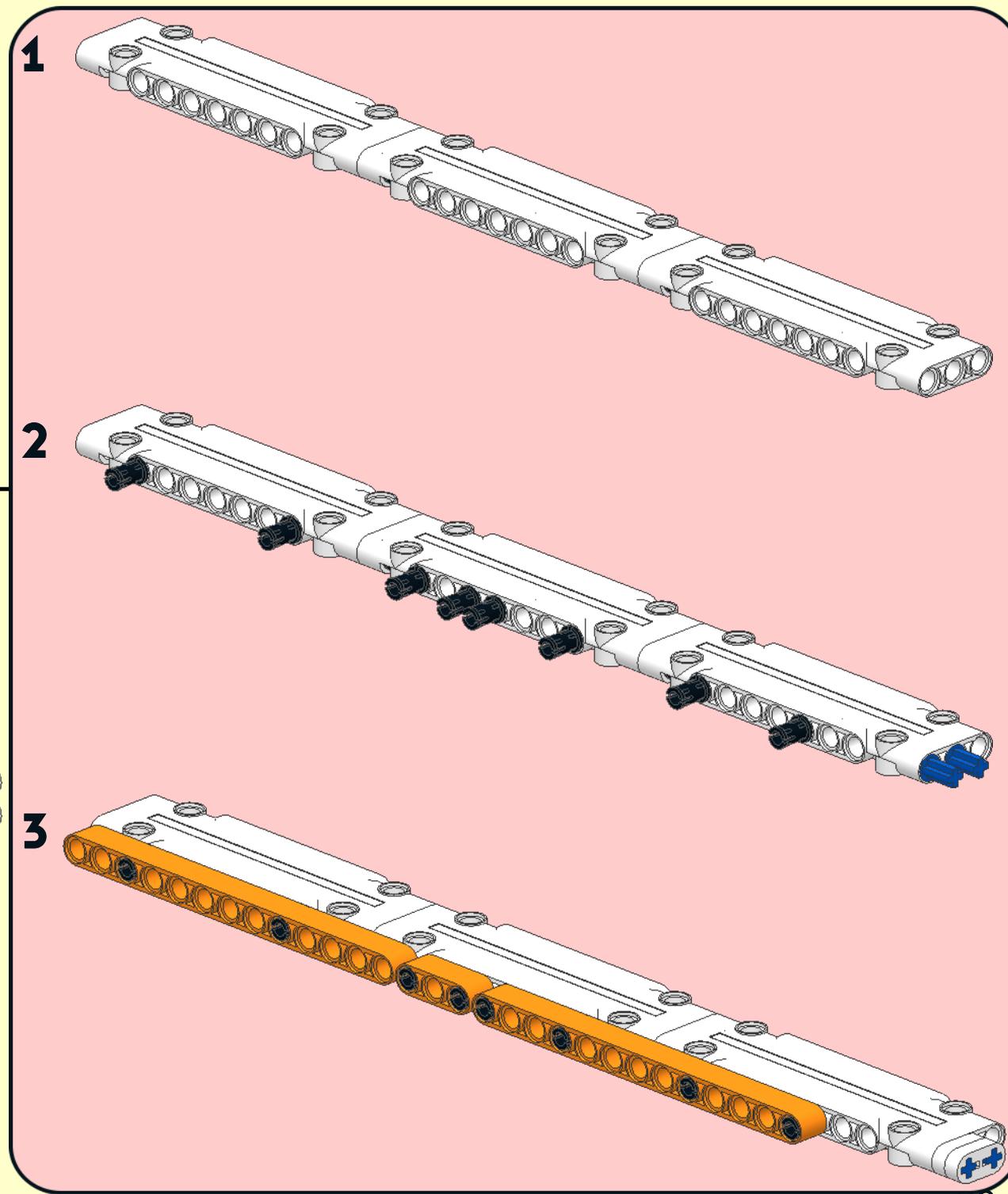
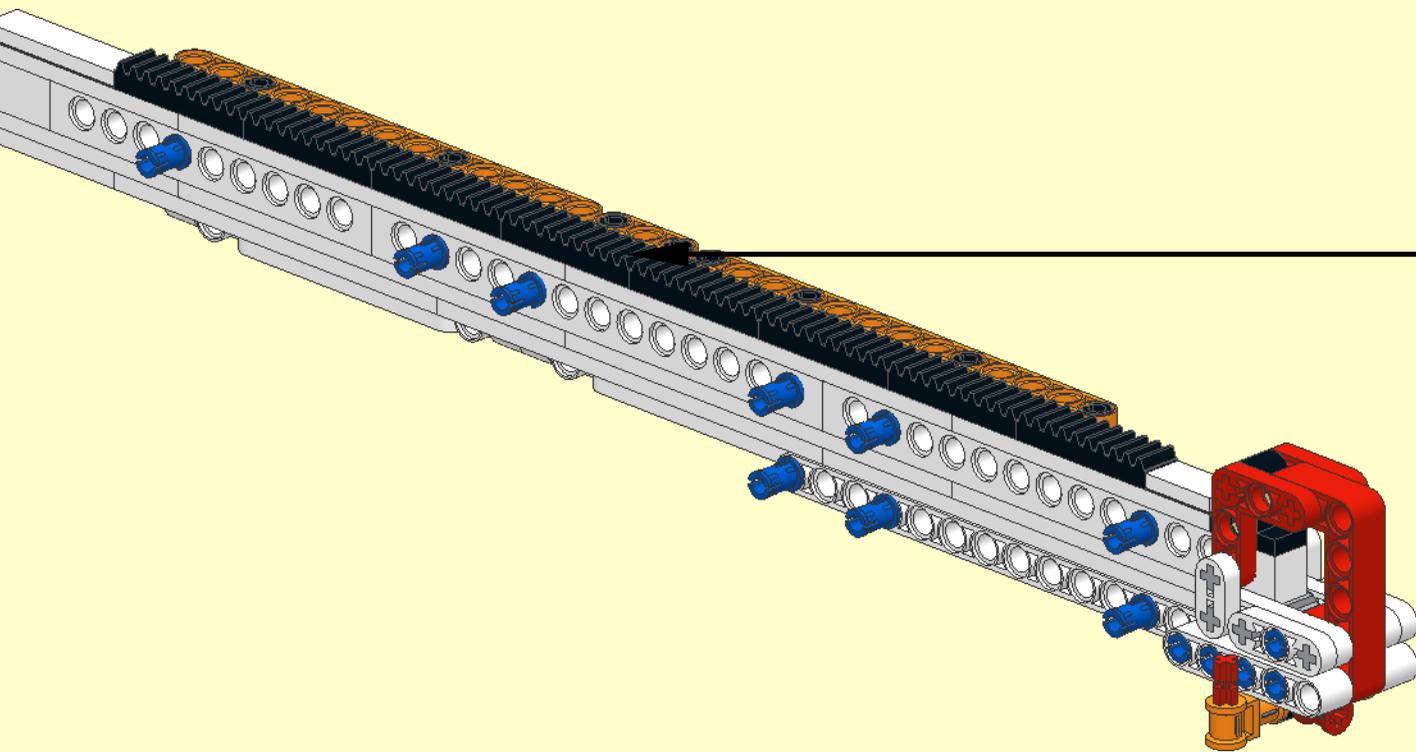
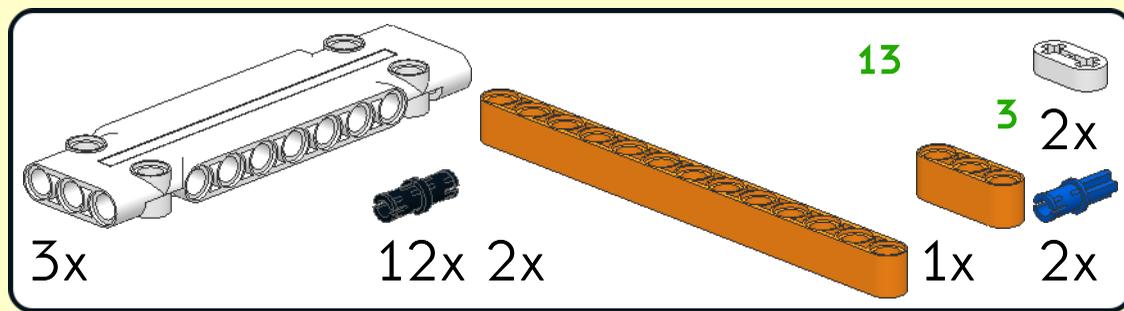


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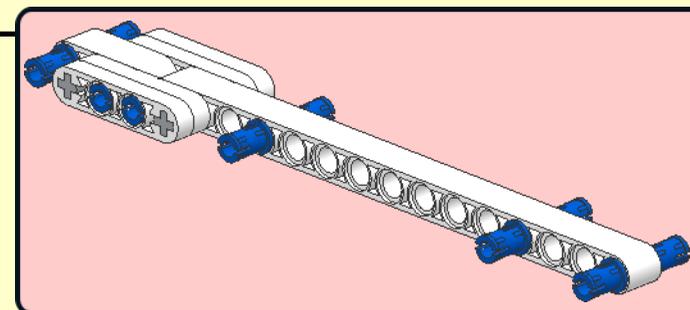
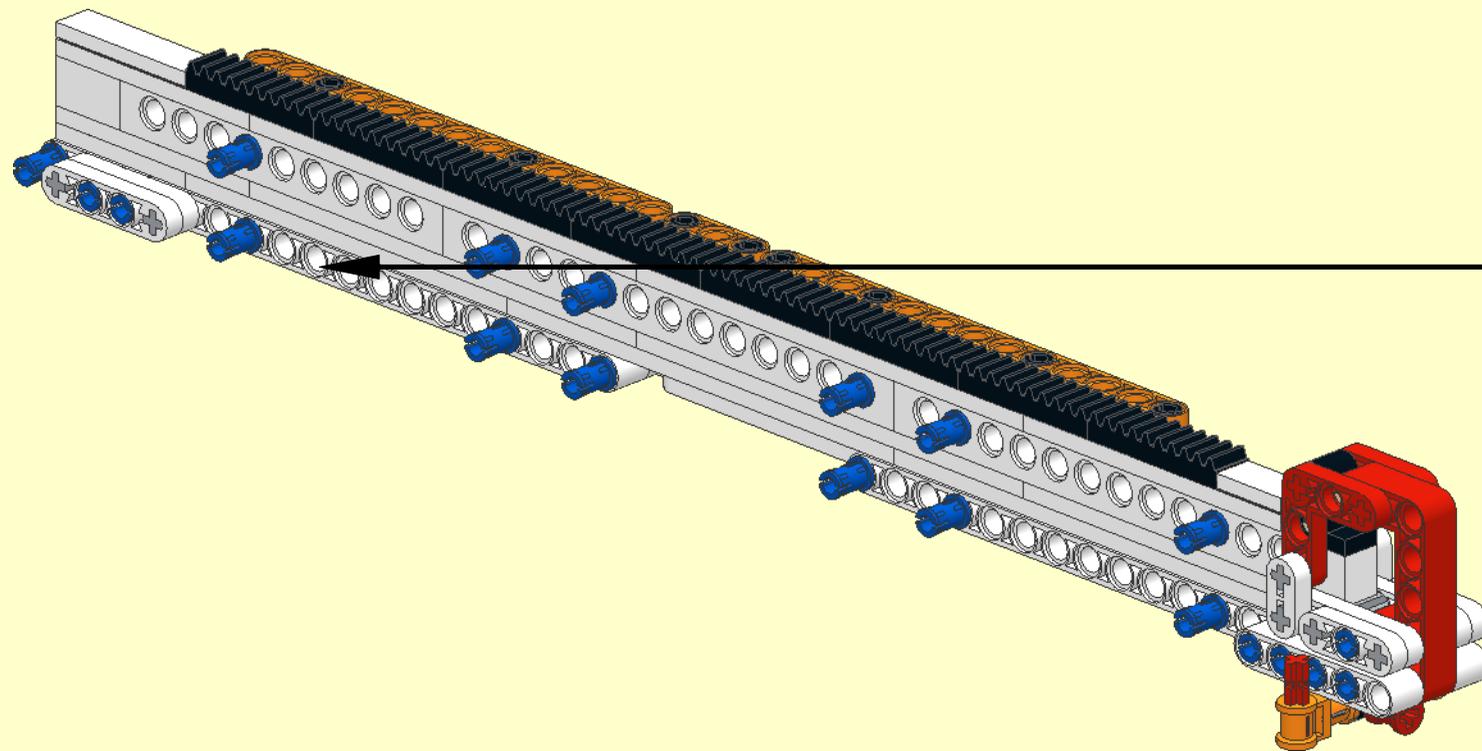
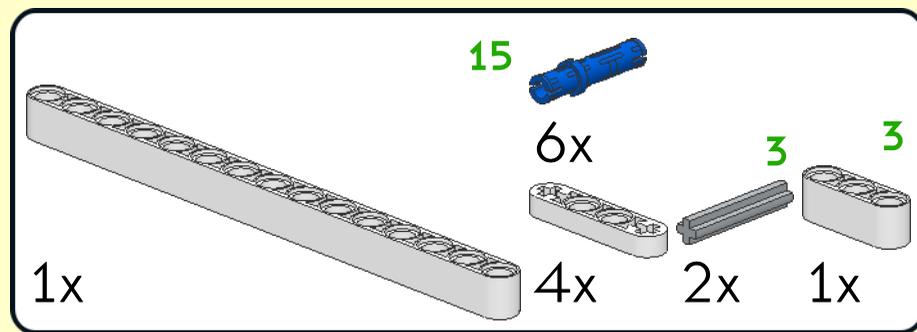
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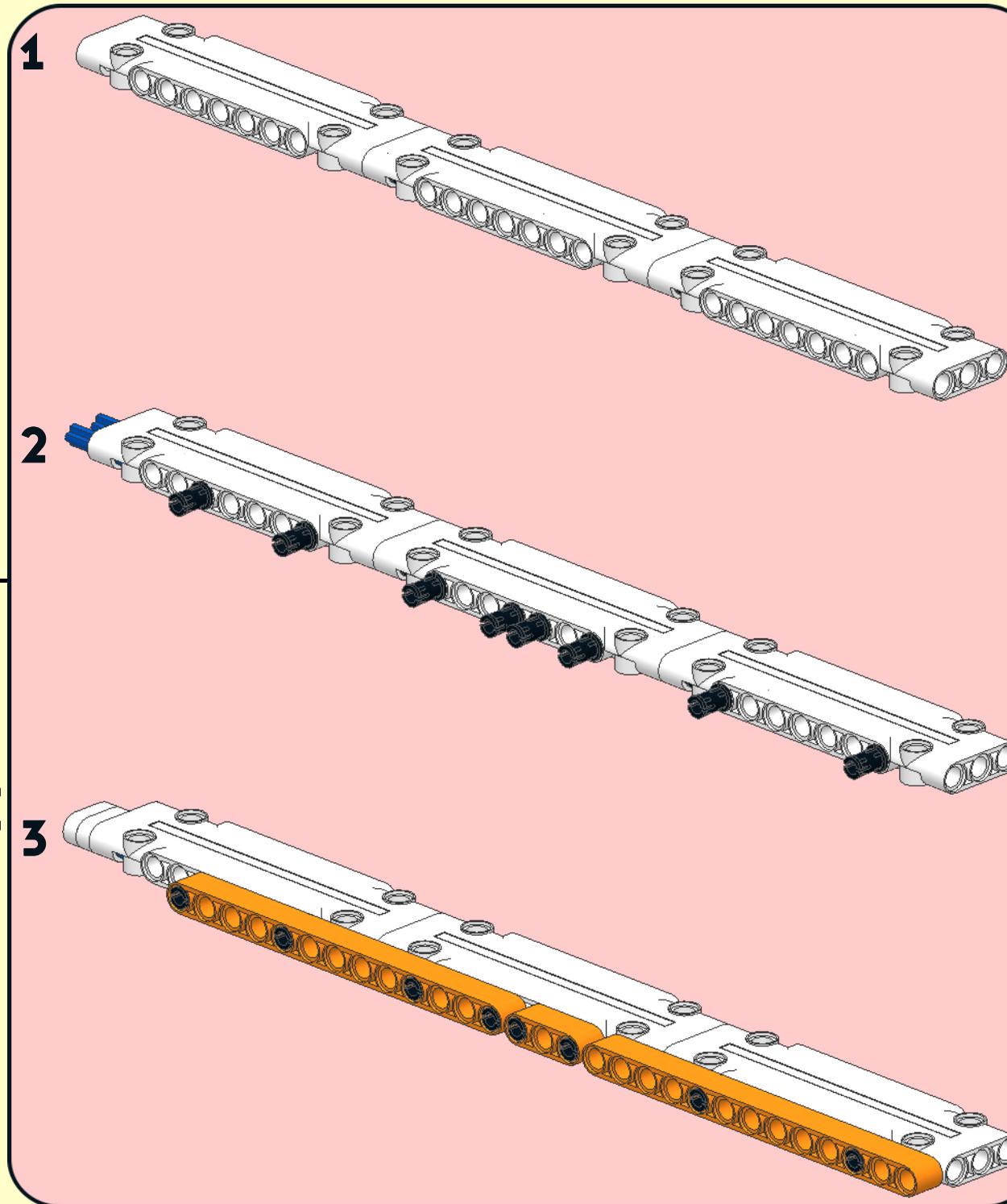
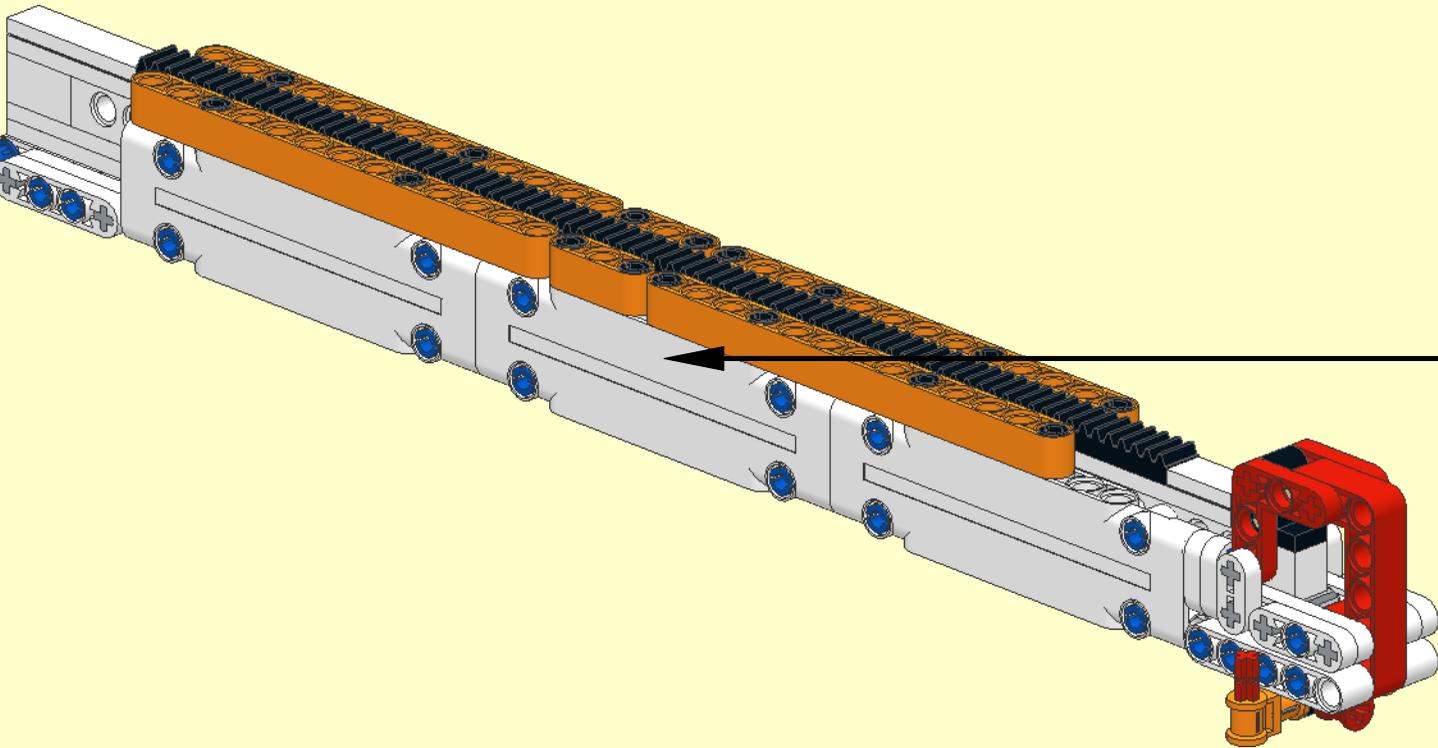
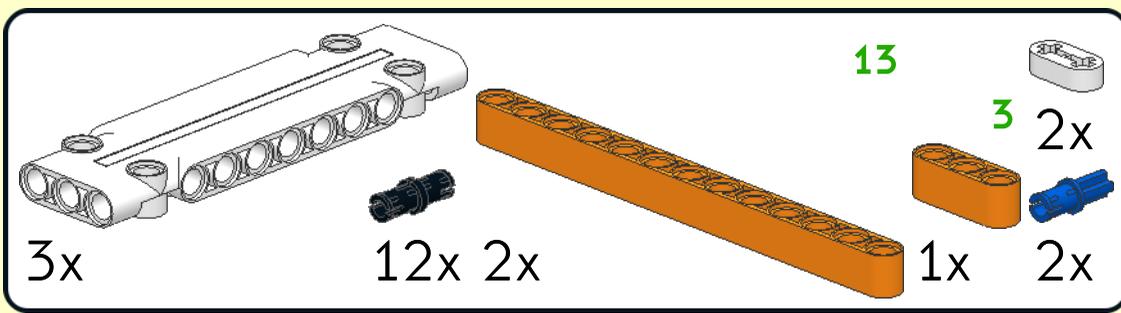
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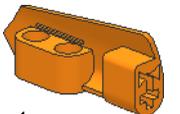
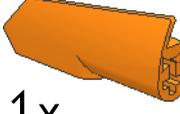
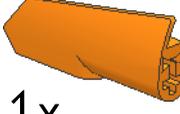
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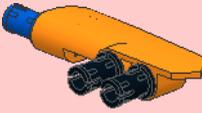
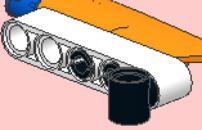


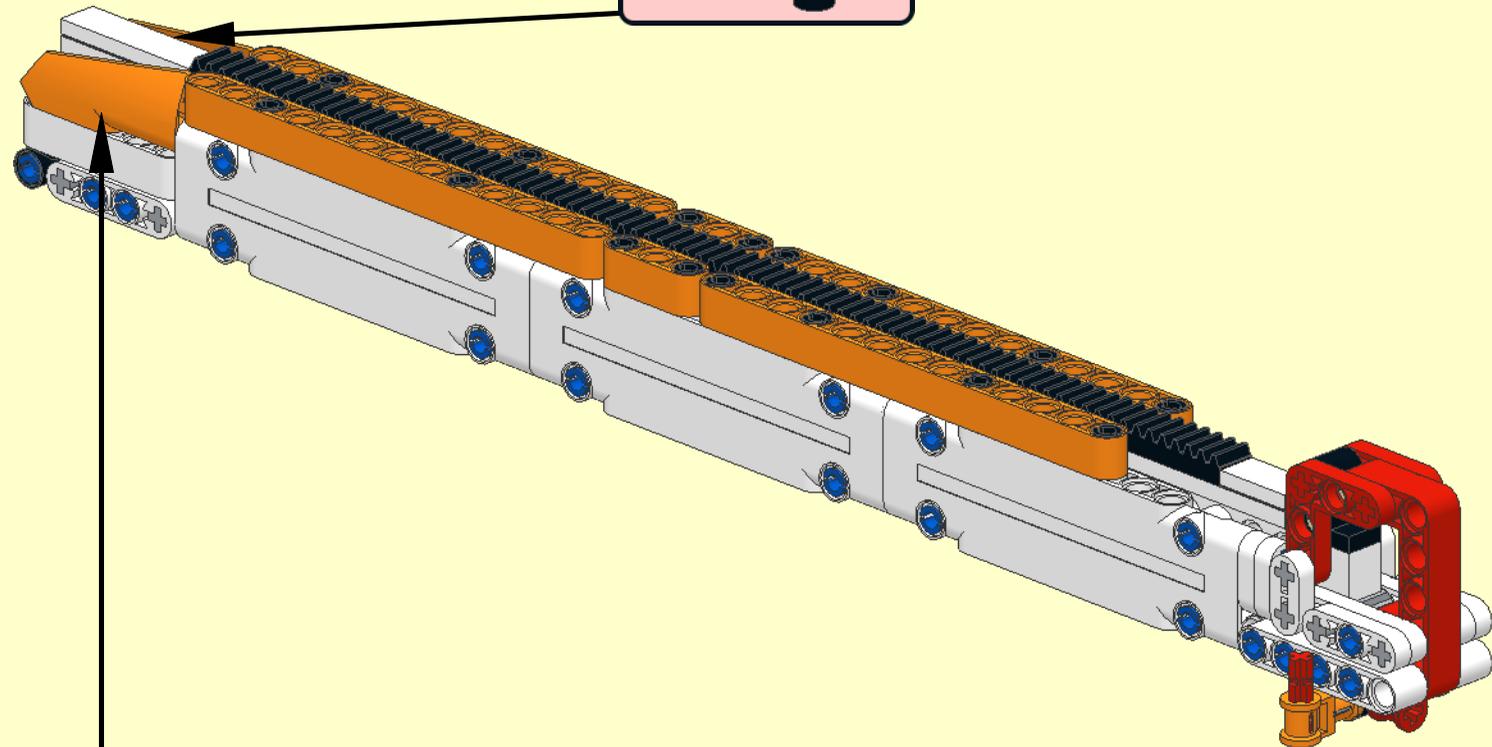
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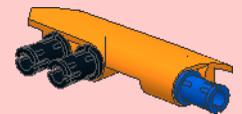
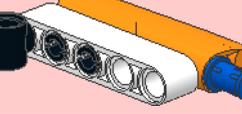


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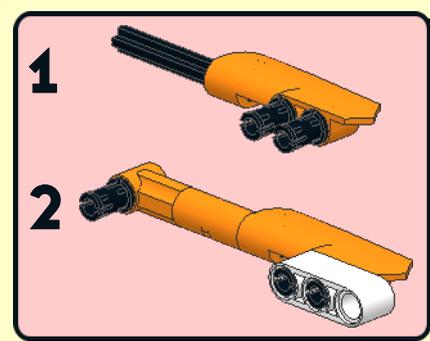
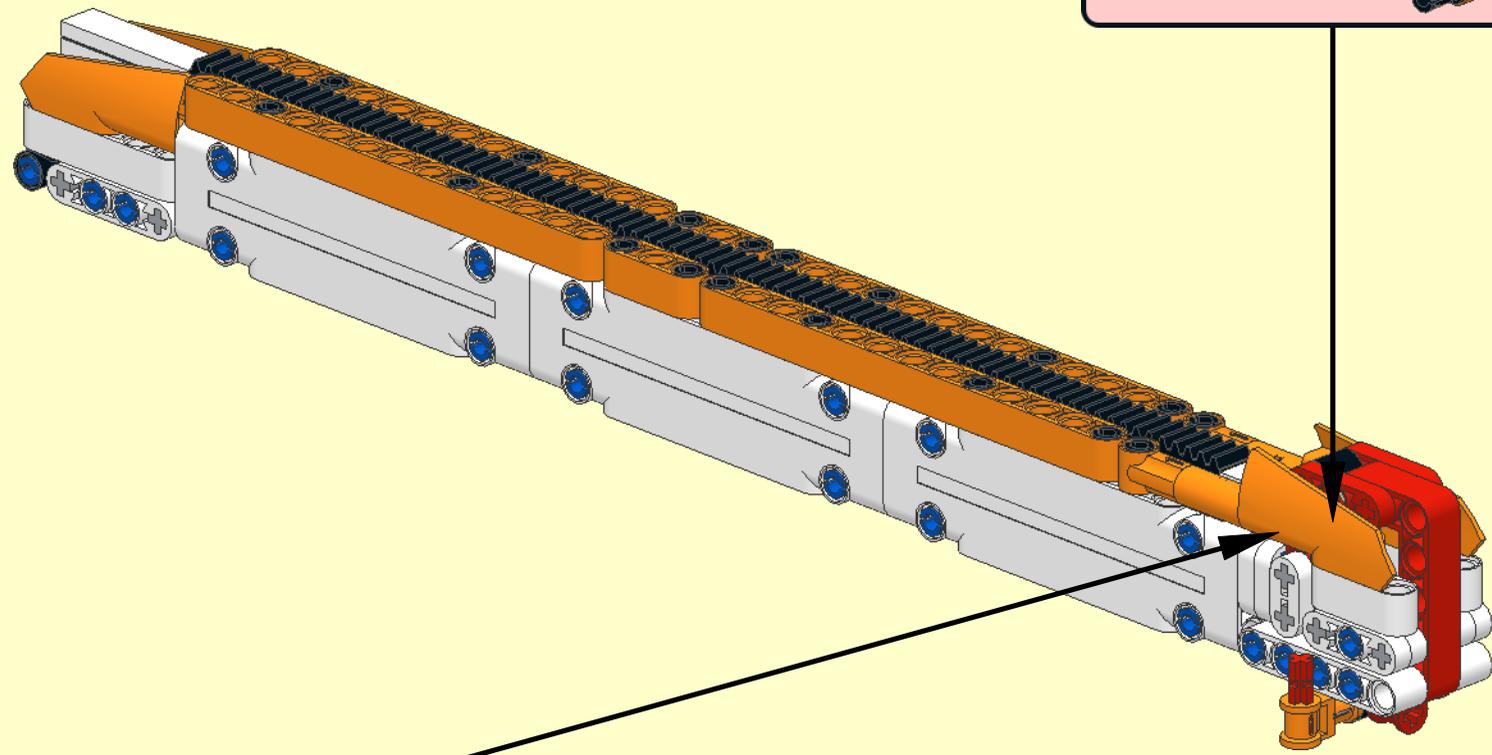
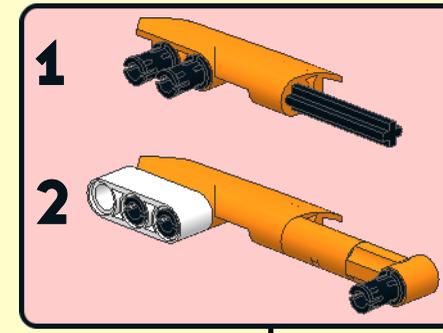
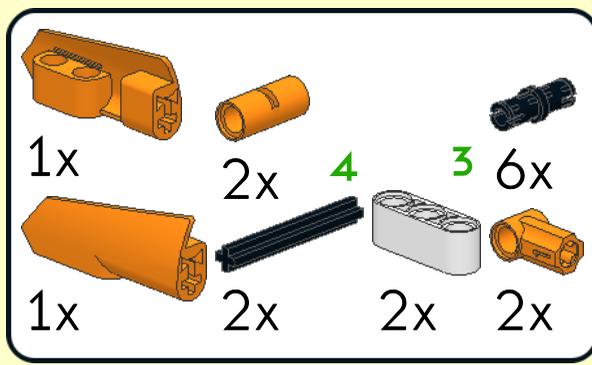
- 1x  5 
-  2x 
- 2x  2x 
- 1x  4x 

- 1 
- 2 

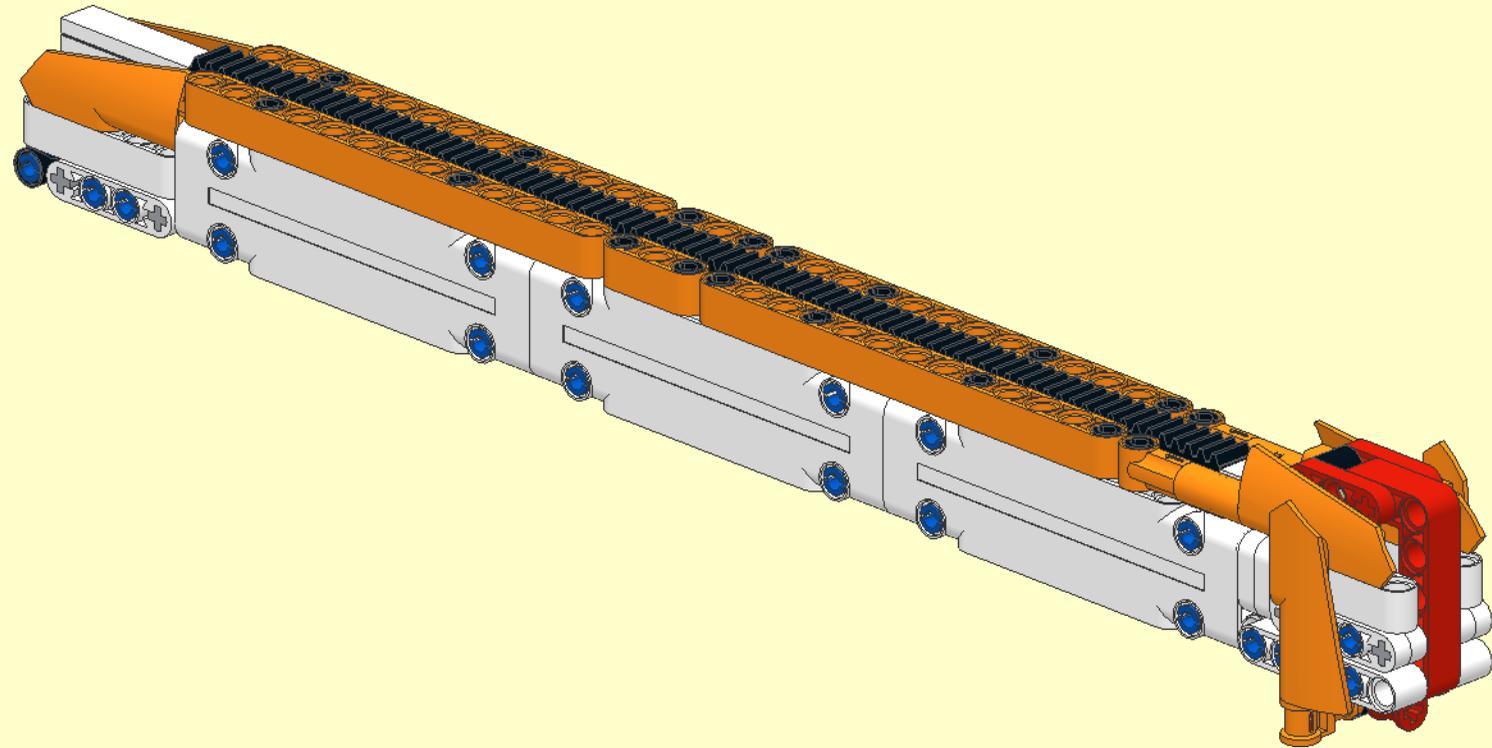
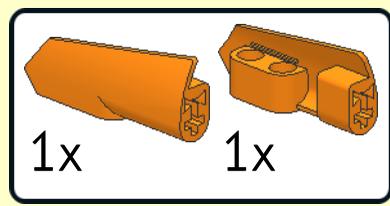


- 1 
- 2 

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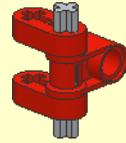
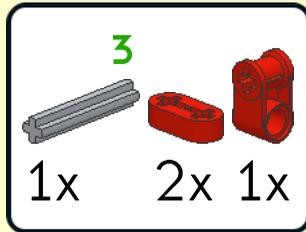


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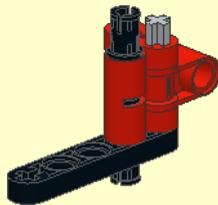
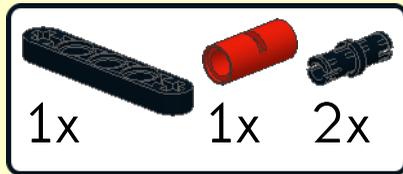




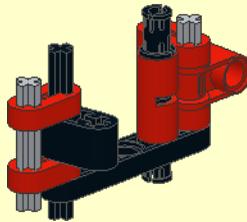
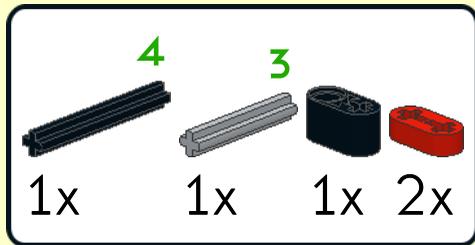
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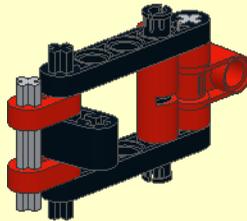
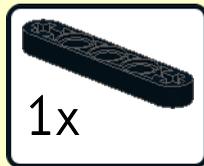
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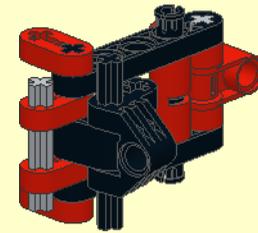
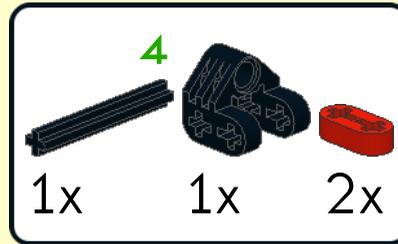
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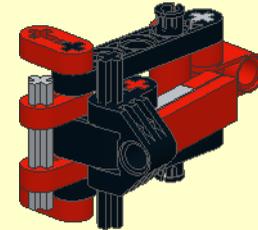
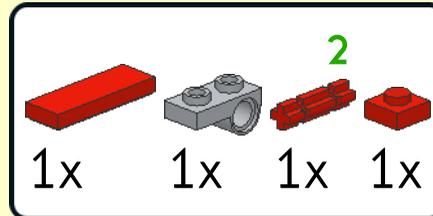
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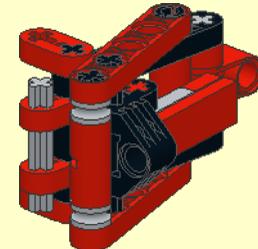
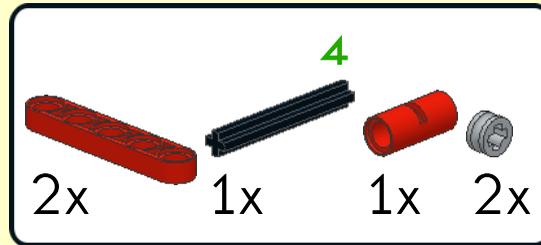
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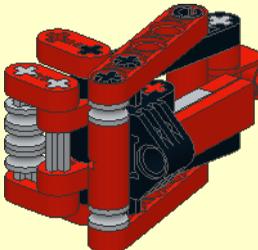
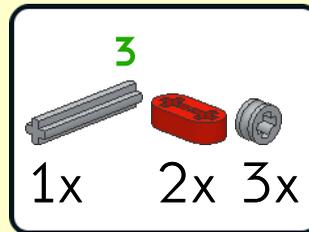
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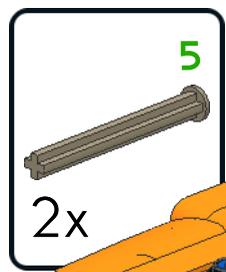
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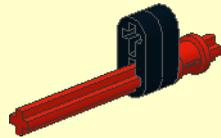
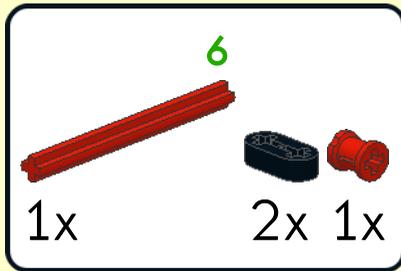
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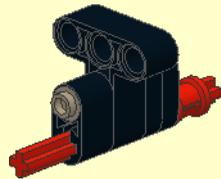
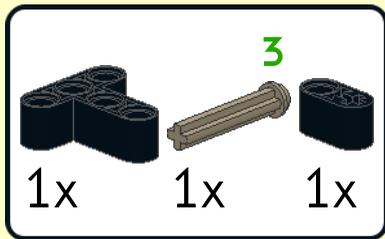
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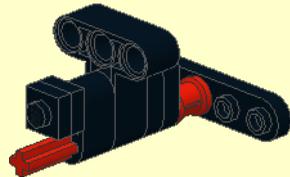
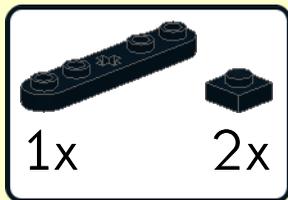
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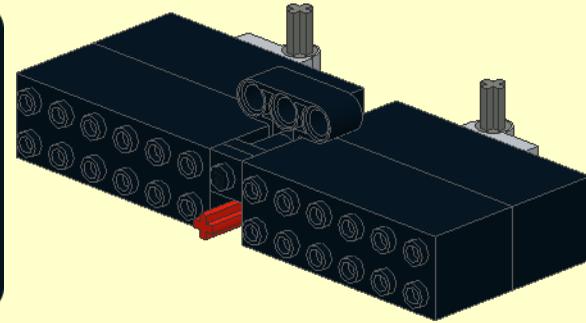
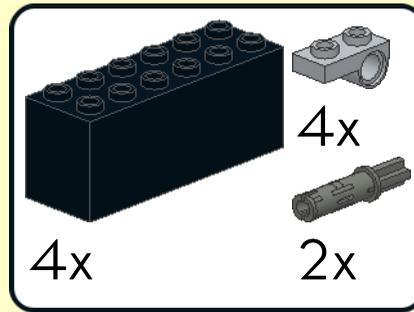
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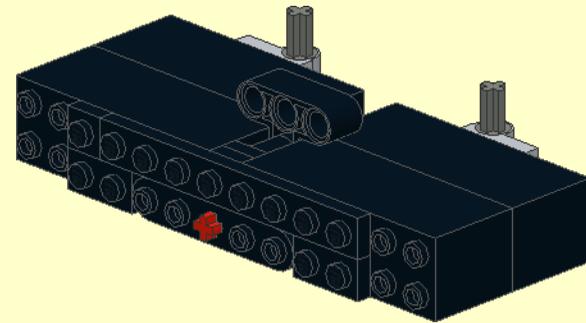
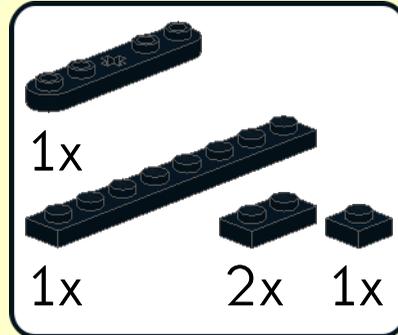
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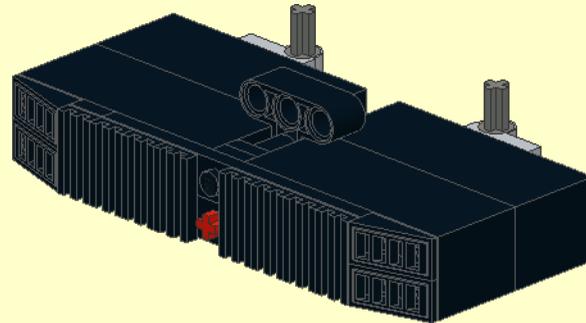
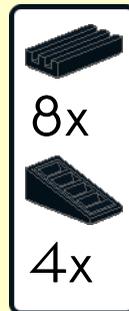
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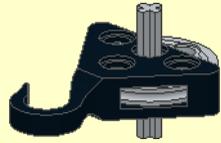
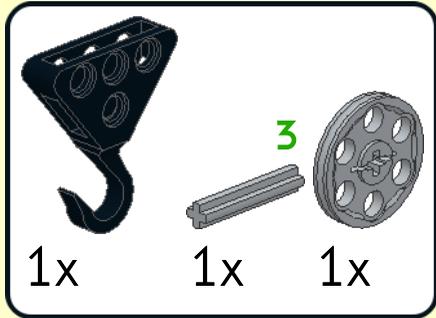


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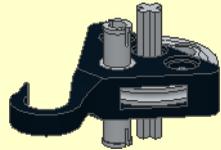
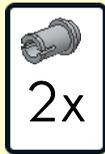




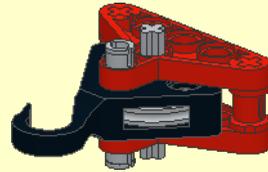
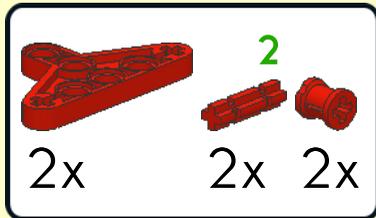
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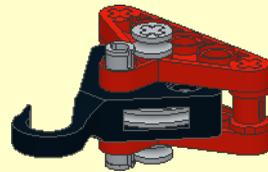
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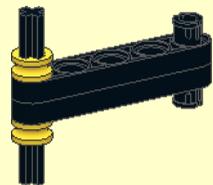
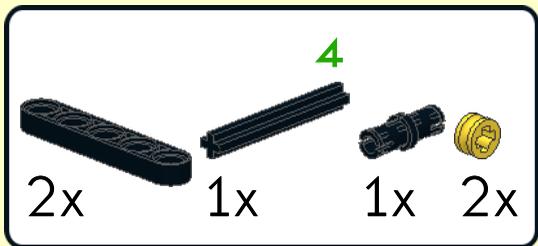


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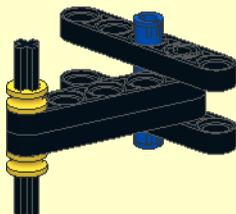
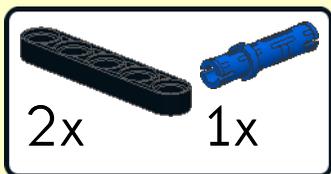




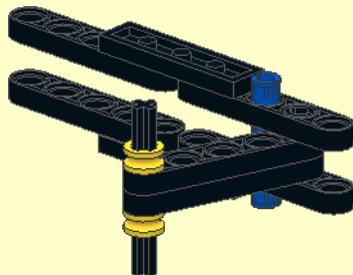
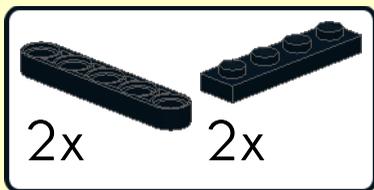
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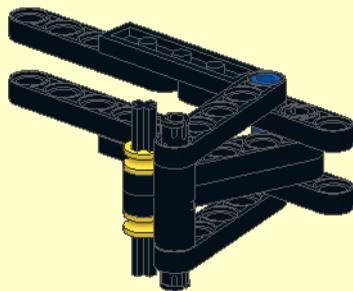
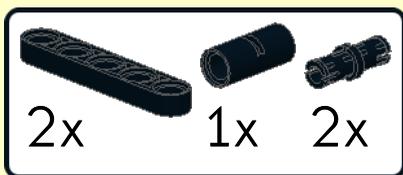
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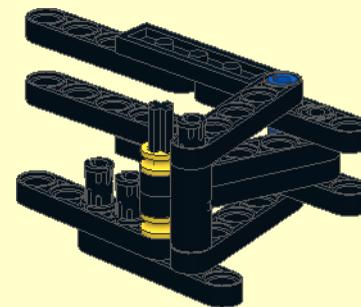
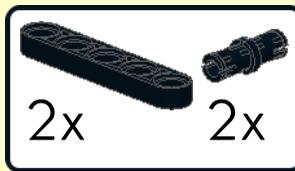
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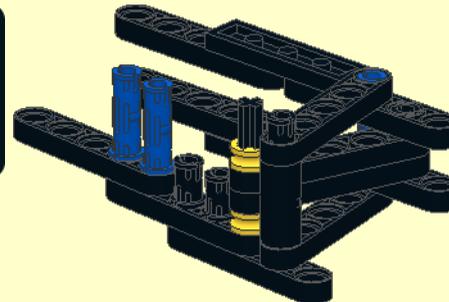
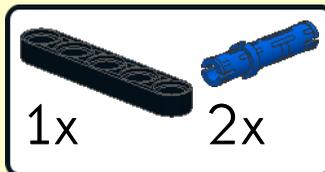
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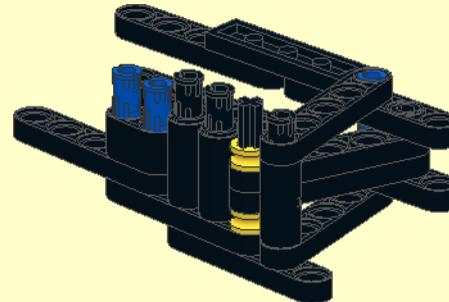
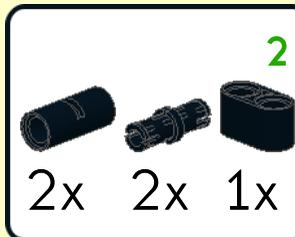
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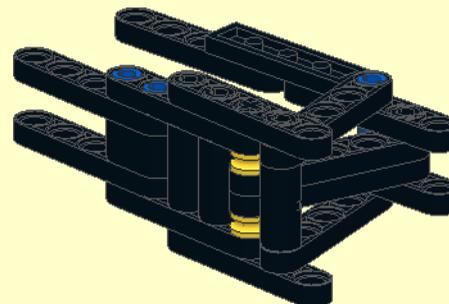
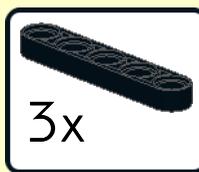
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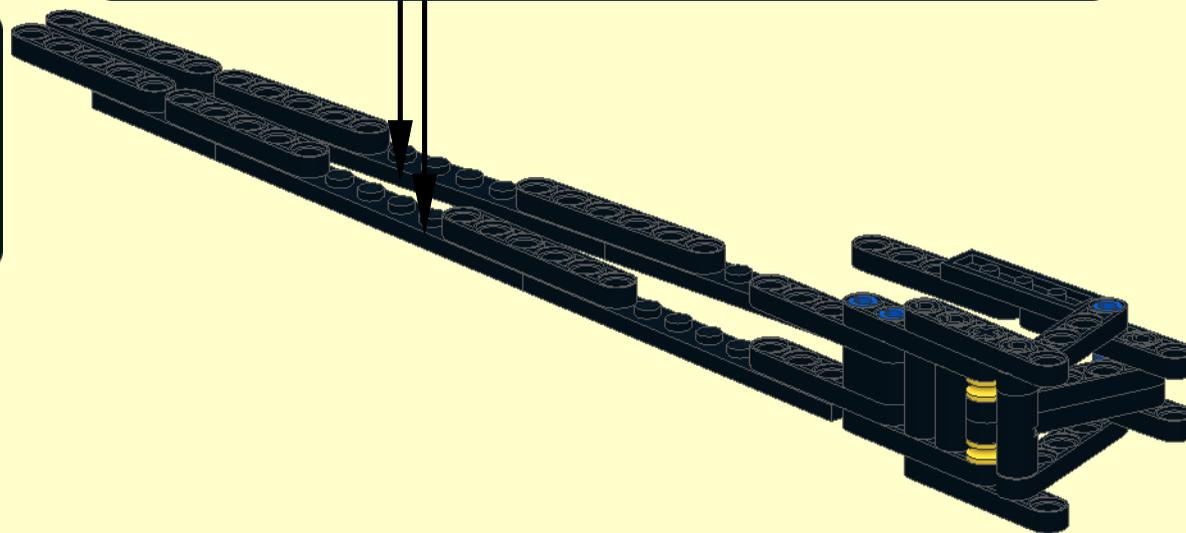
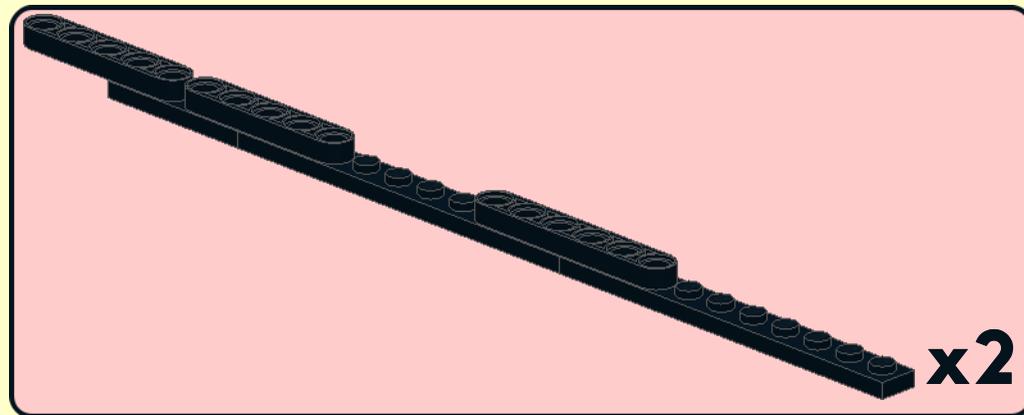
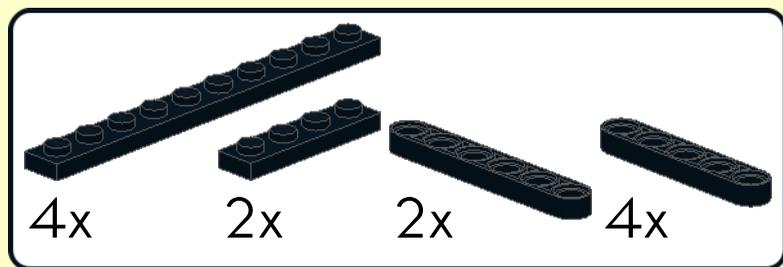
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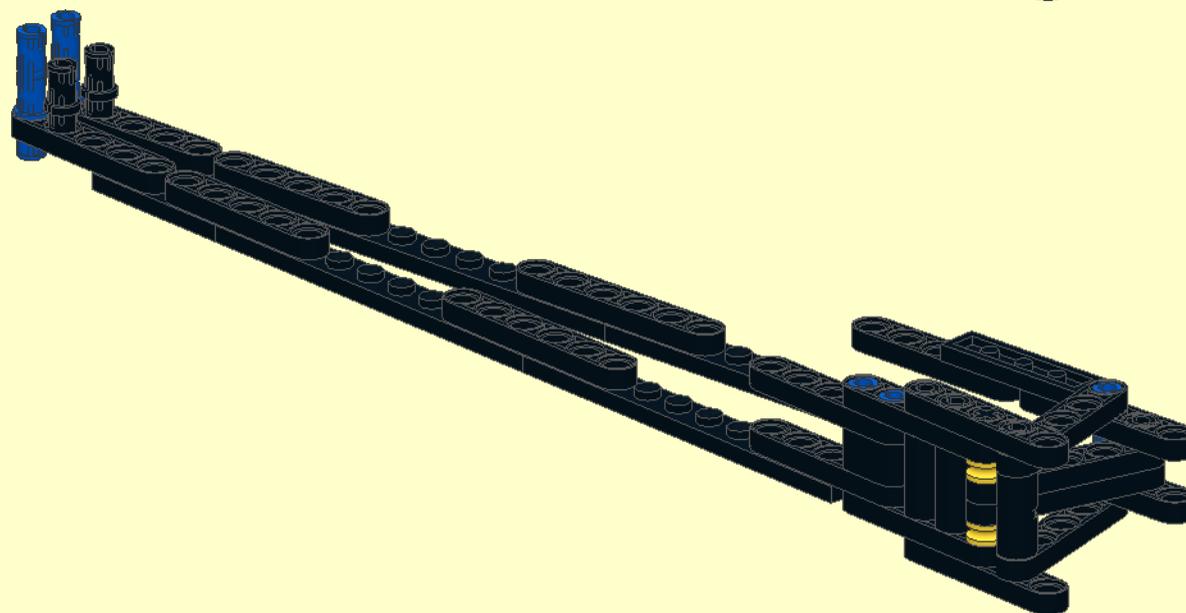
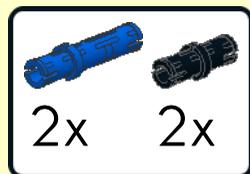
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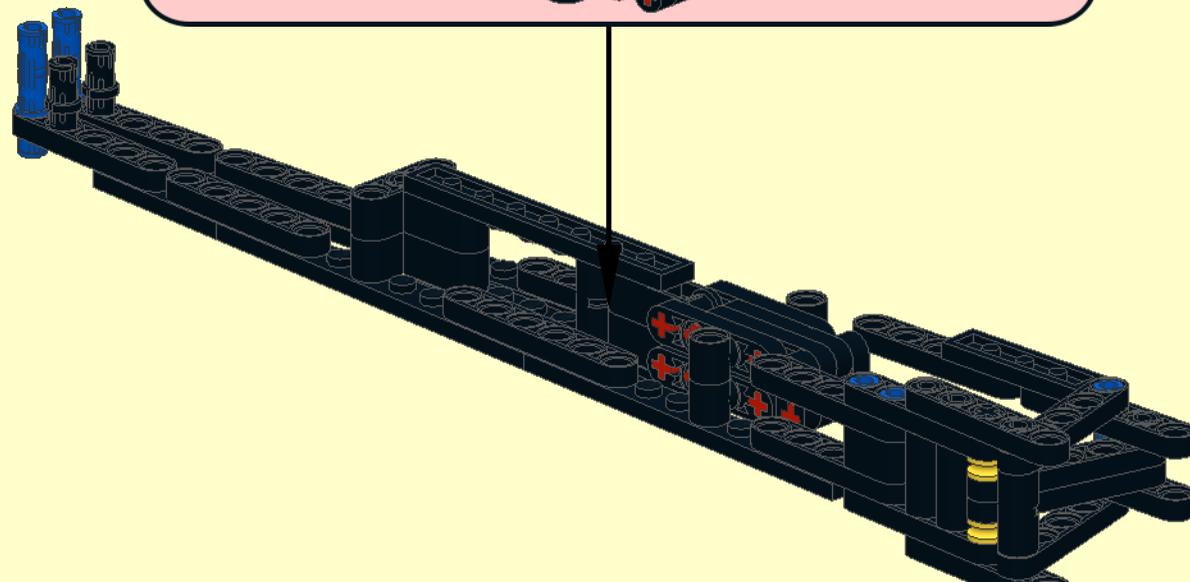
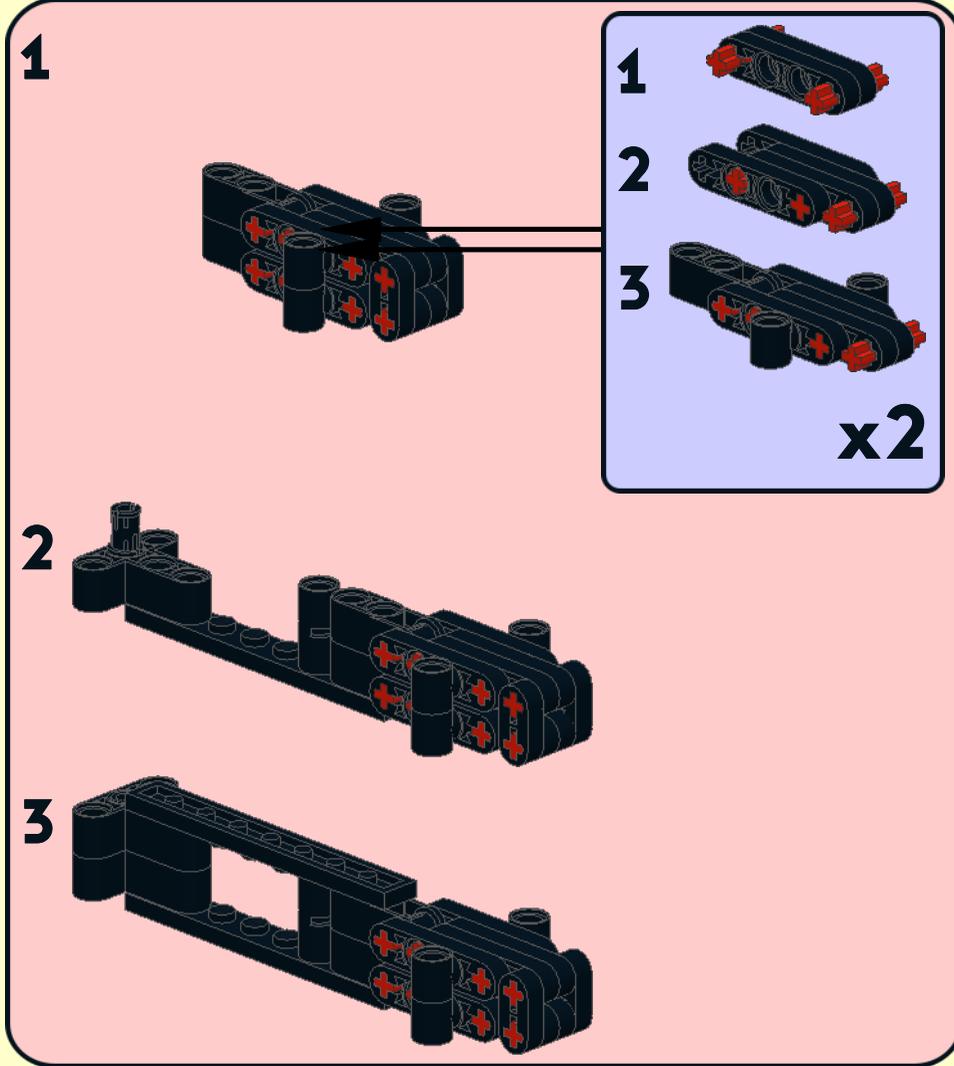
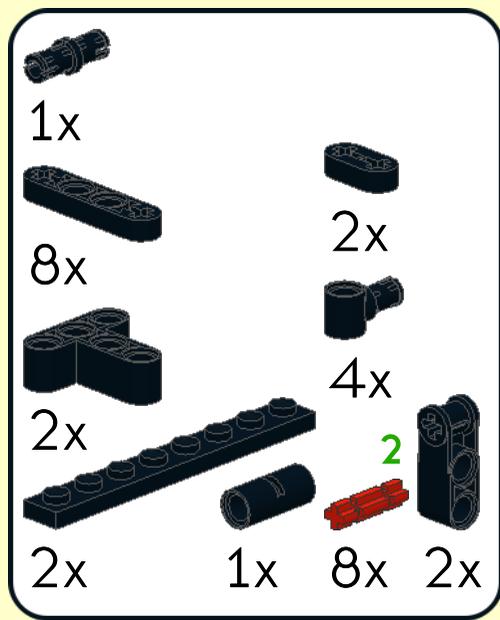
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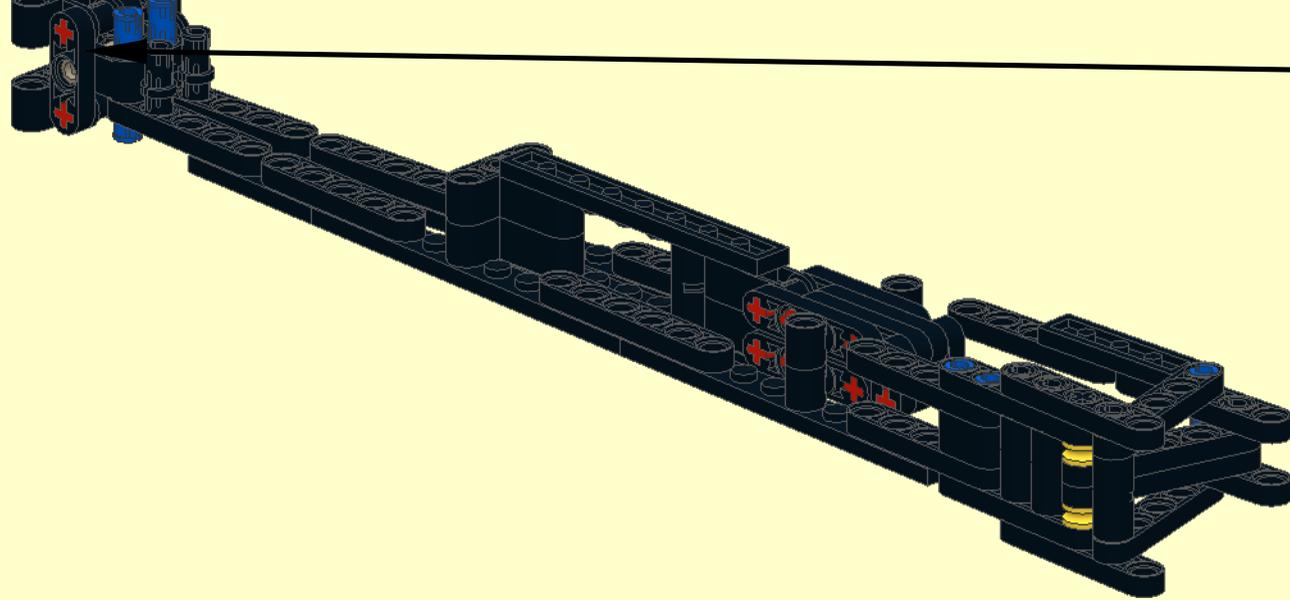


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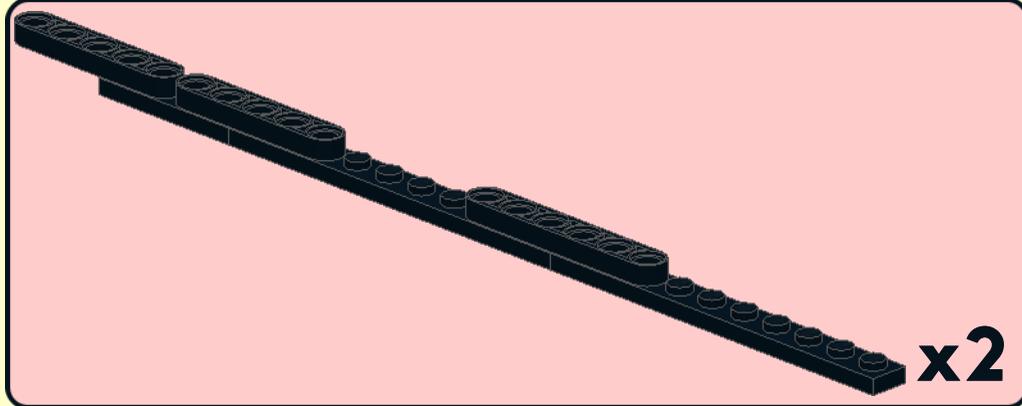


12

- 1x
- 1x
- 1x
- 3x
- 2x
- 2x
- 2x
- 1x

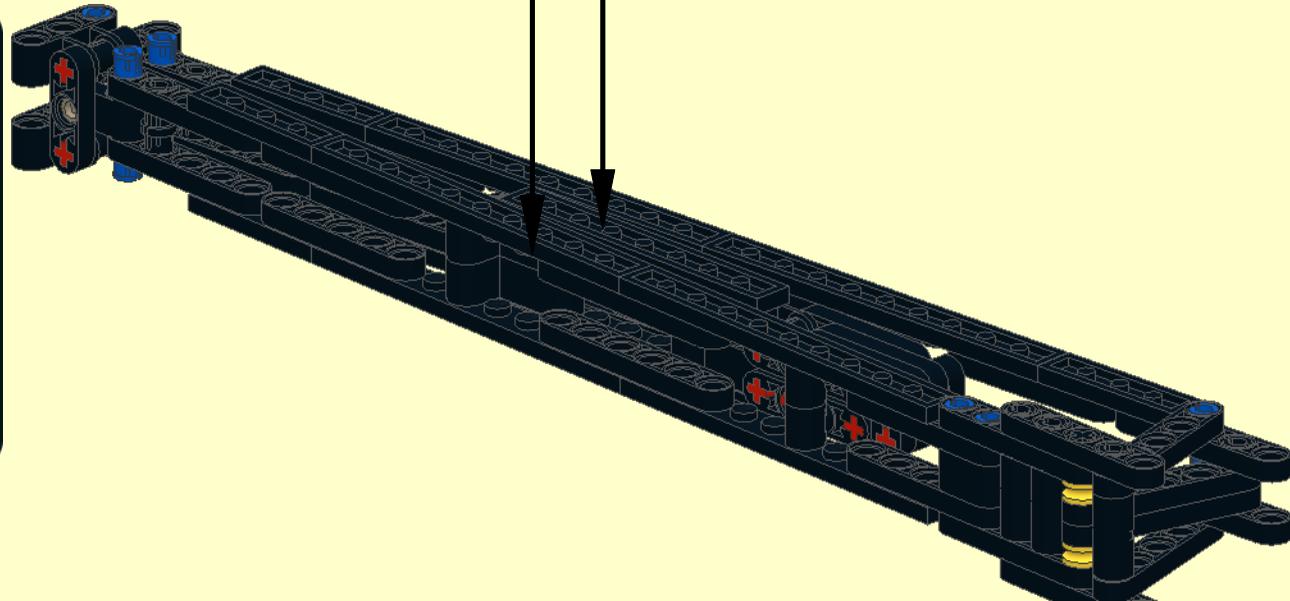


- | | | | |
|---|--|---|--|
| 1 | | 4 | |
| 2 | | 5 | |
| 3 | | | |



13

- 4x
- 2x
- 4x
- 2x



64

5

2x



