

Bauanleitung für

RoboMission 2023 Altersklasse Senior



Autonomer Hafen

Version: 15. Januar 2023

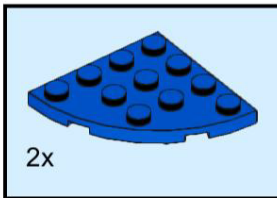
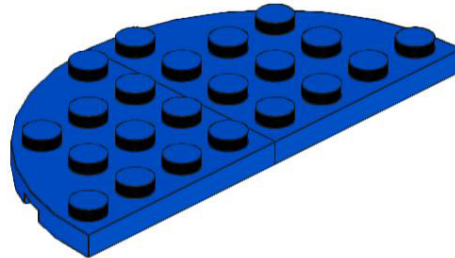
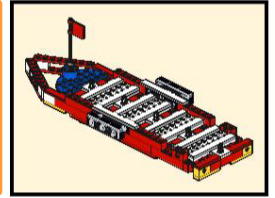


Offizieller Organisator der
World Robot Olympiad in Deutschland

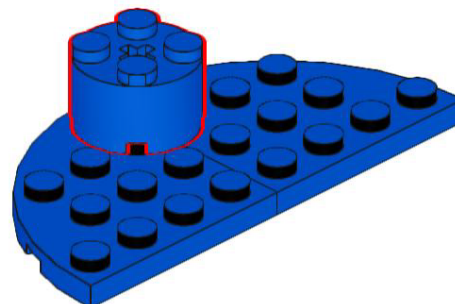
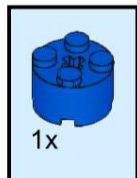
Ab diesem Jahr wird für die Spielfeldobjekte neben dem bisherigen Materialset (Nr. 45811) ein WRO Ergänzungs-Set (Nr. 45819) verwendet.

Dieses gibt es zum Beispiel in unserem Shop:

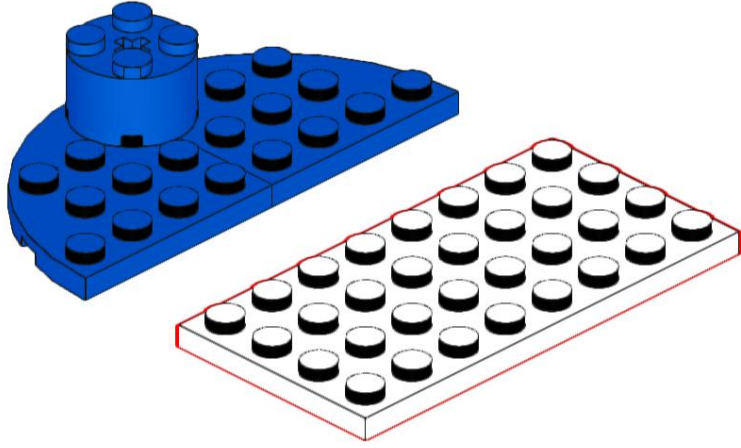
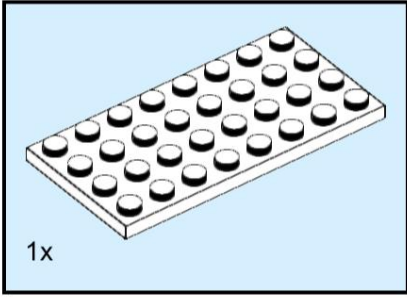
<https://www.worldrobotolympiad.de/shop/kategorie/15/materialien-fuer-robomission>



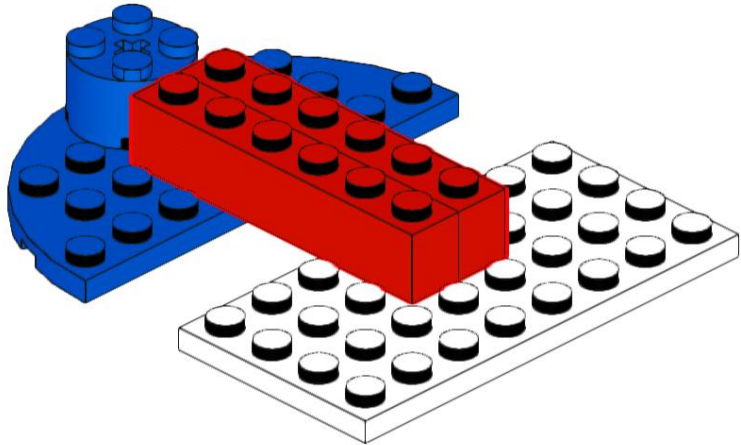
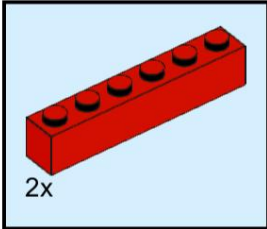
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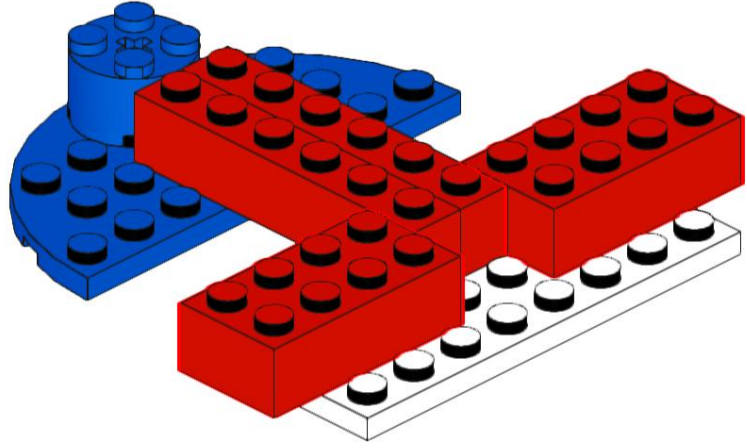
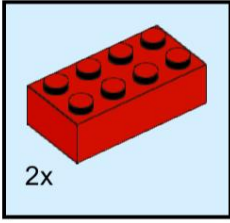
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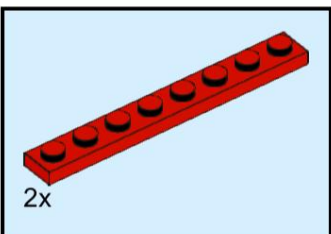
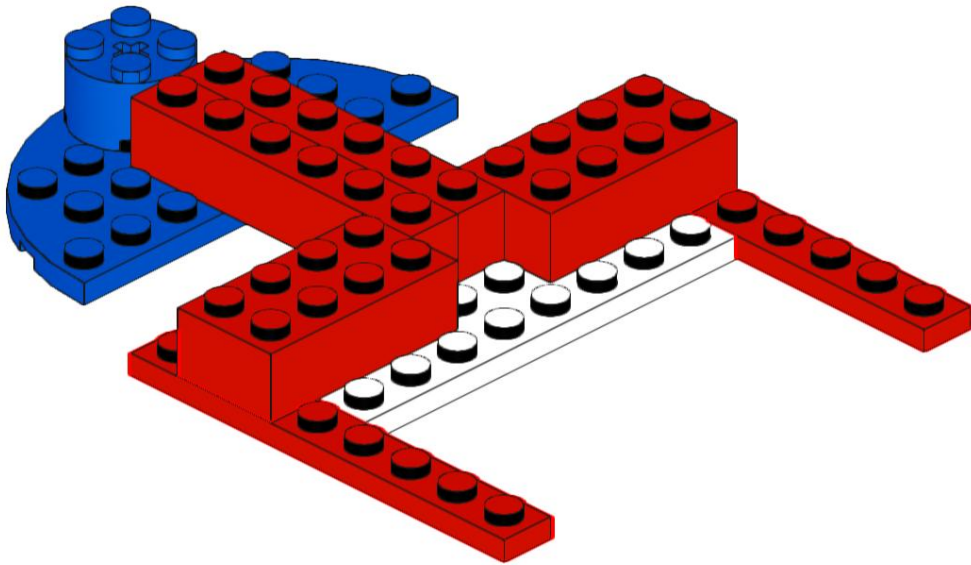
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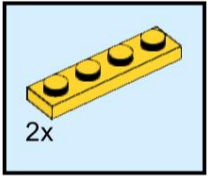
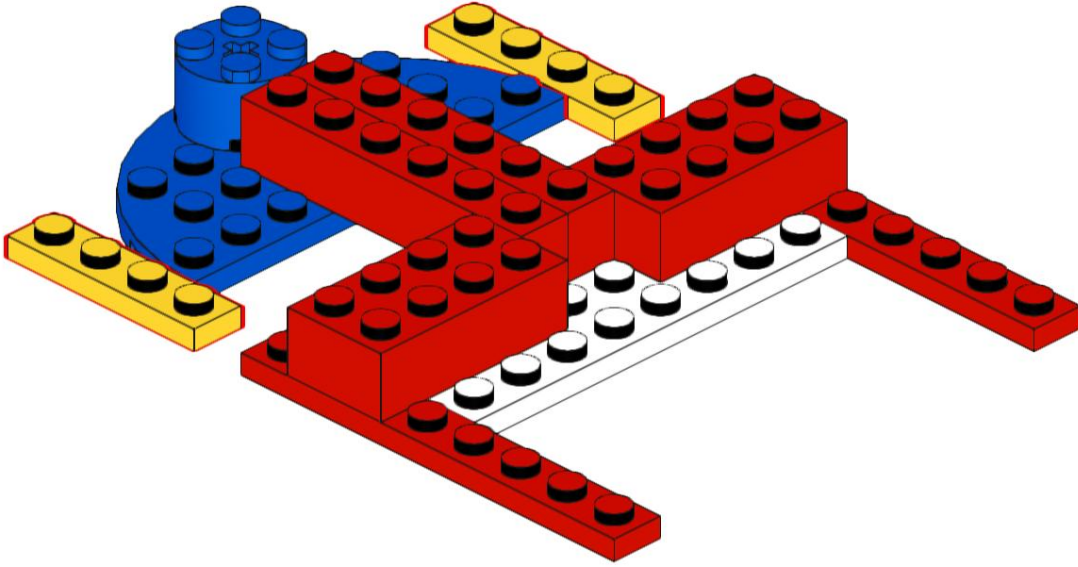
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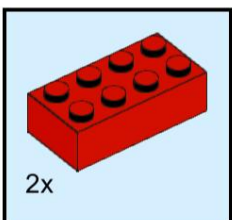
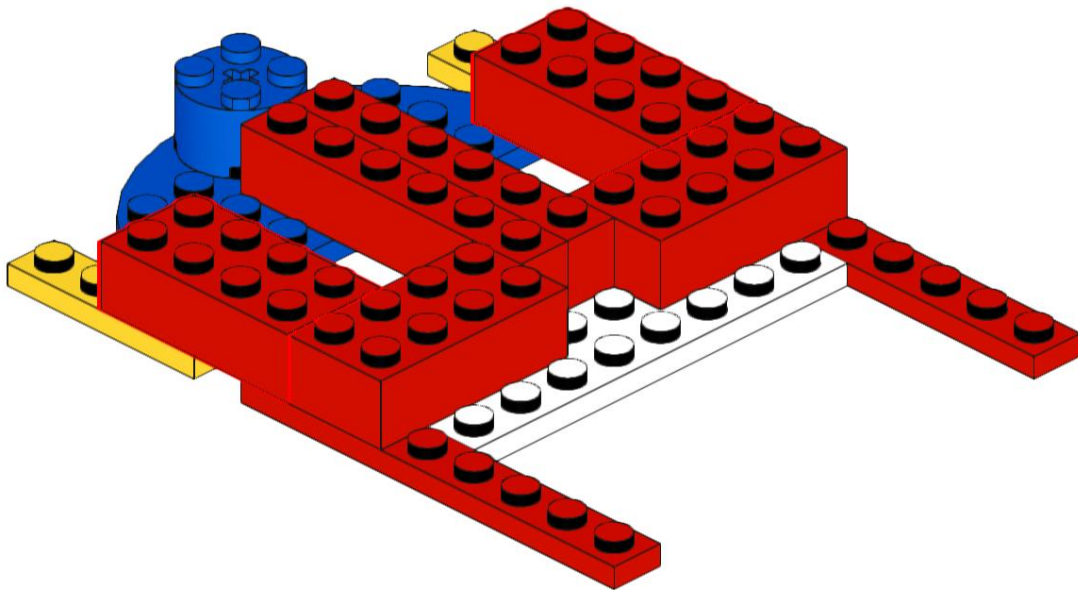
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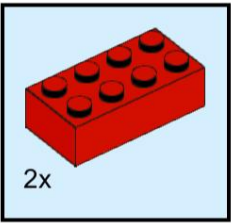
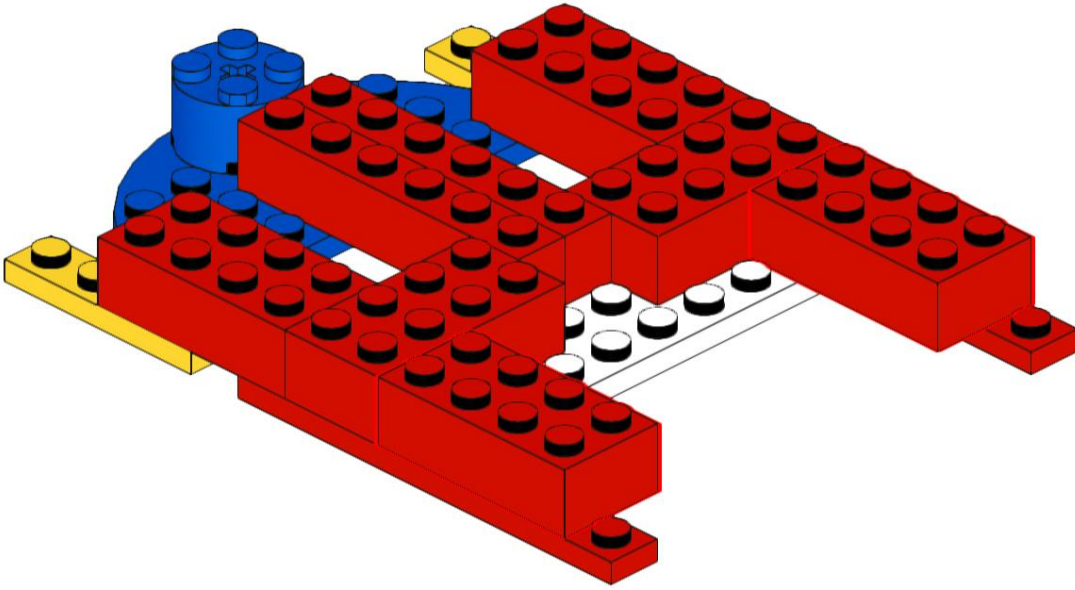
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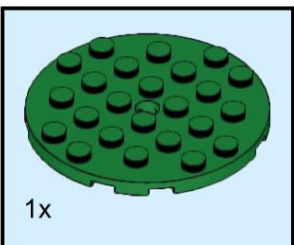
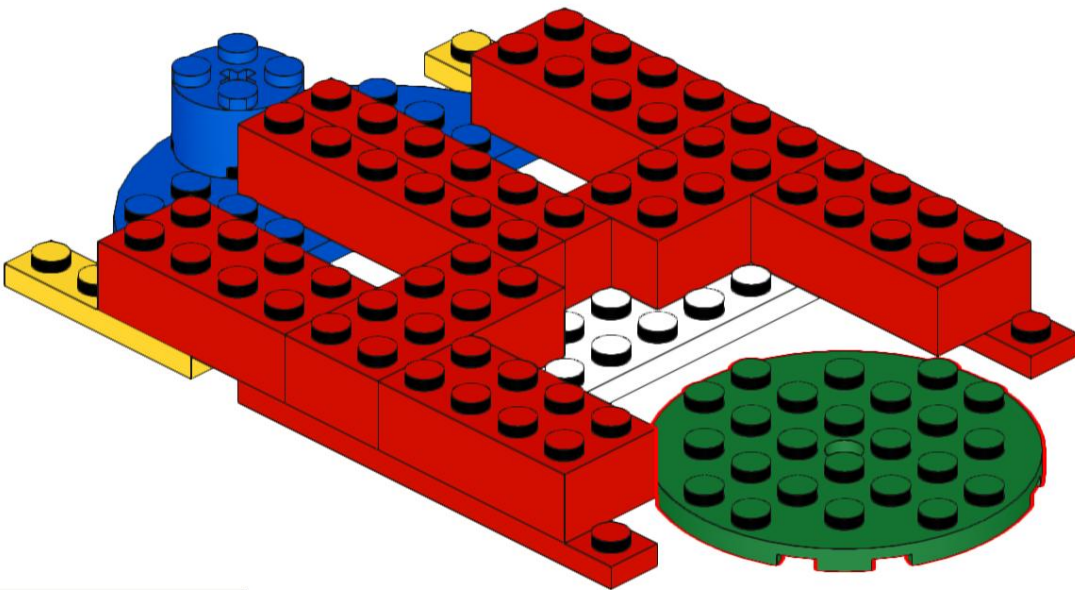
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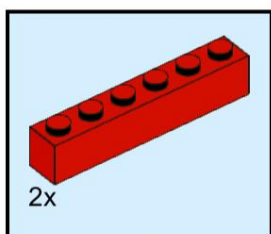
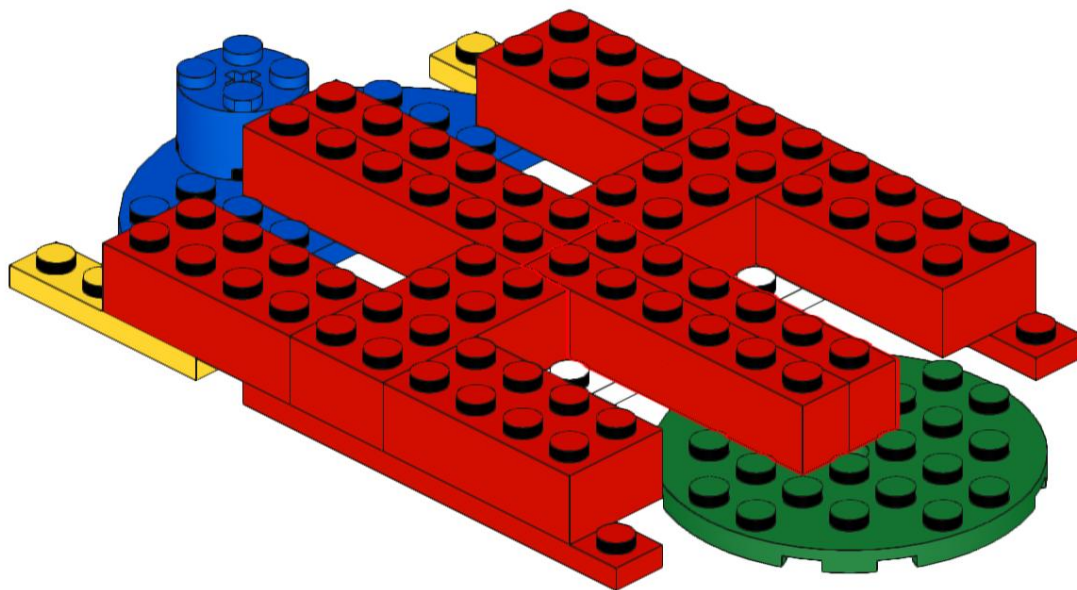
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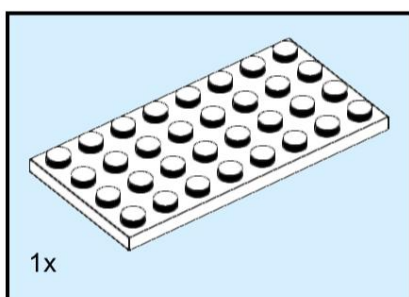
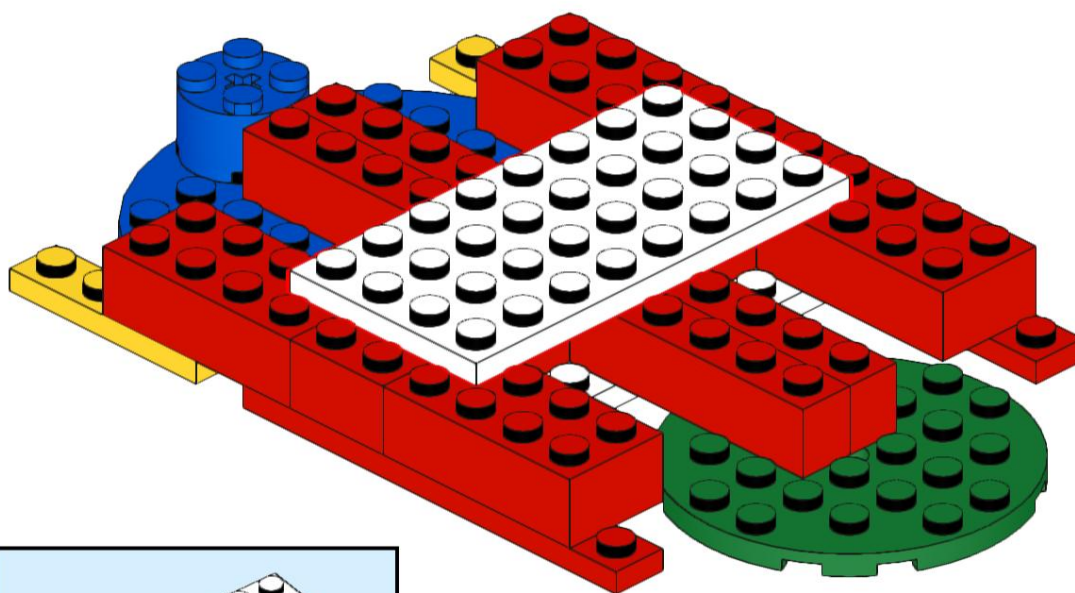
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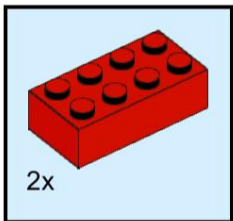
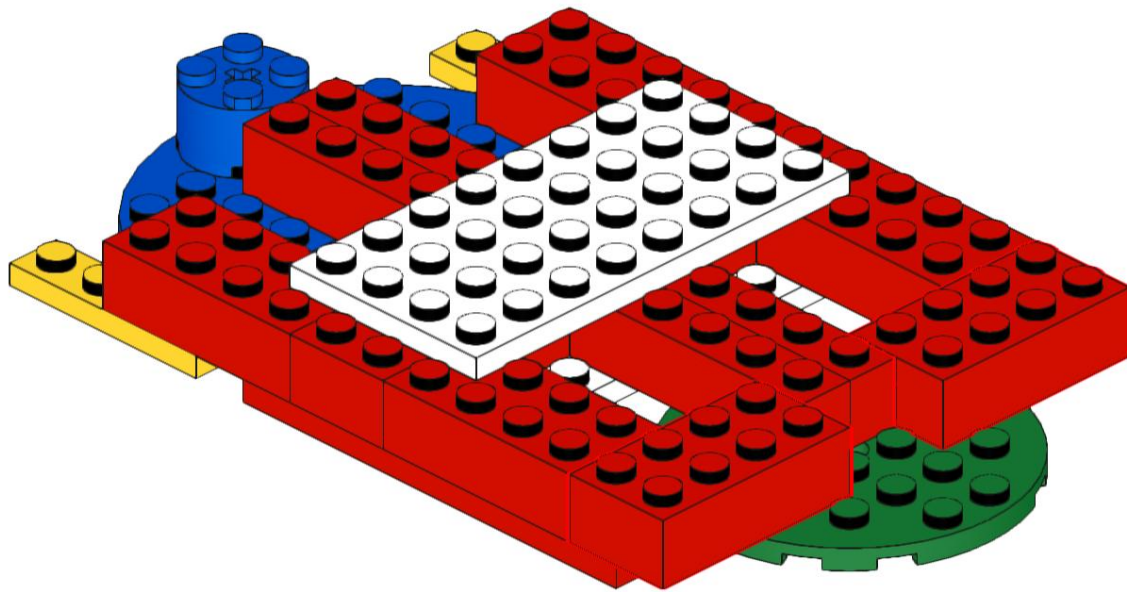
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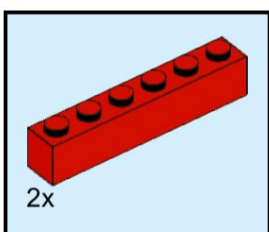
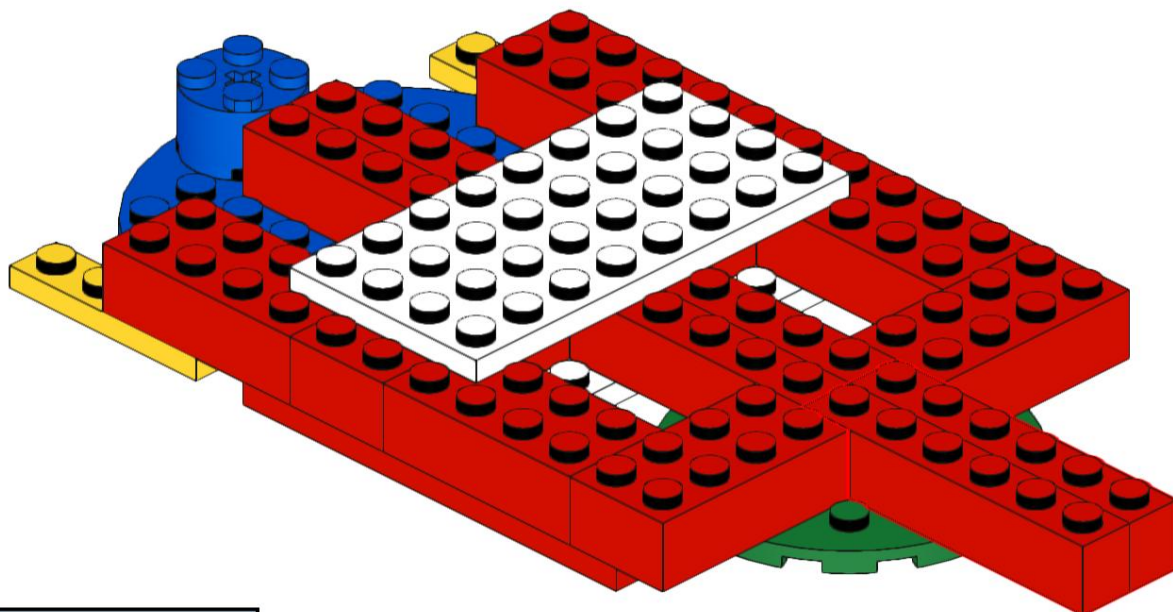
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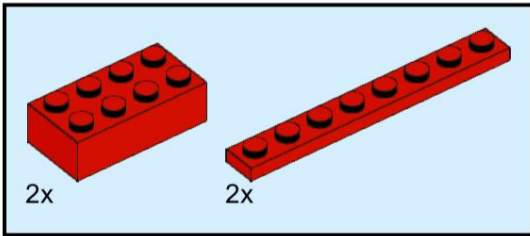
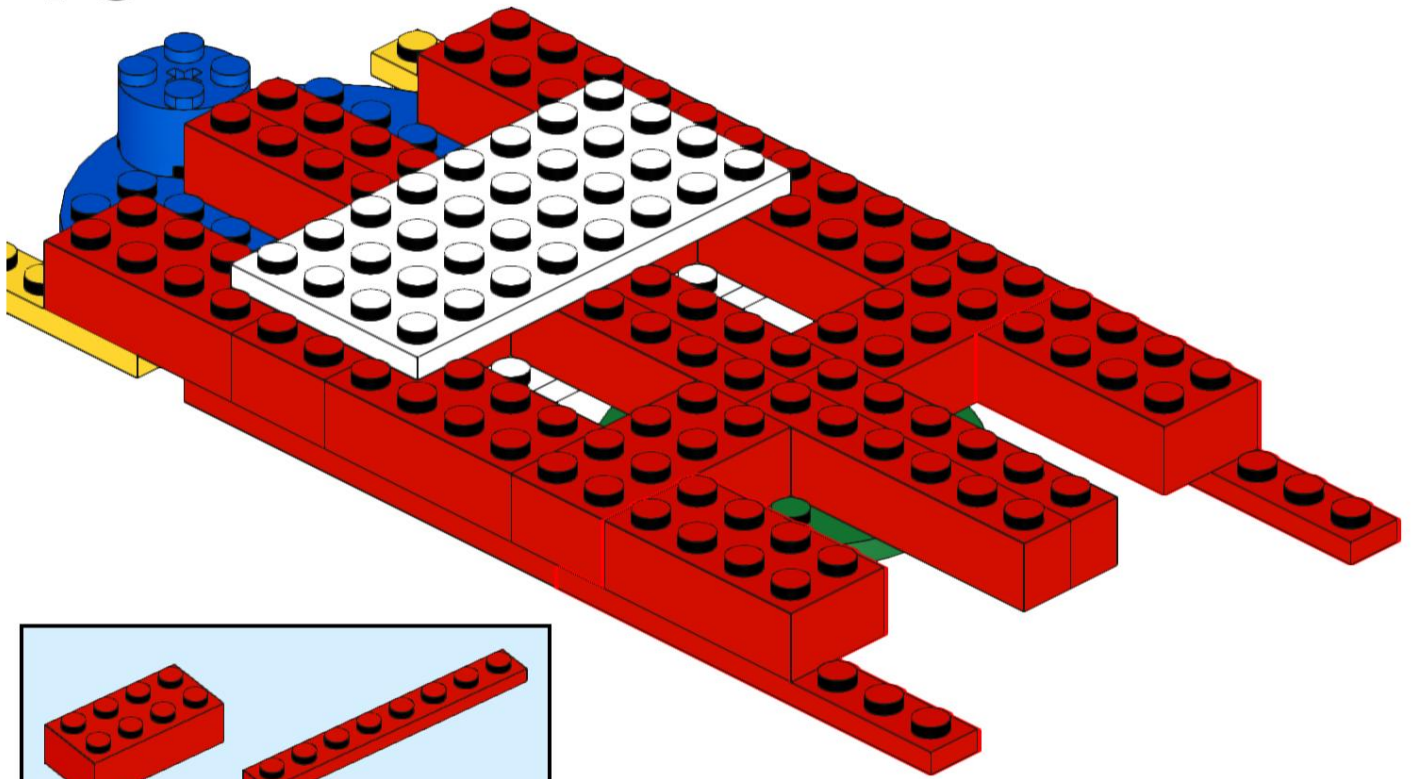
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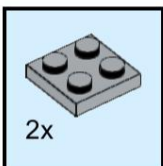
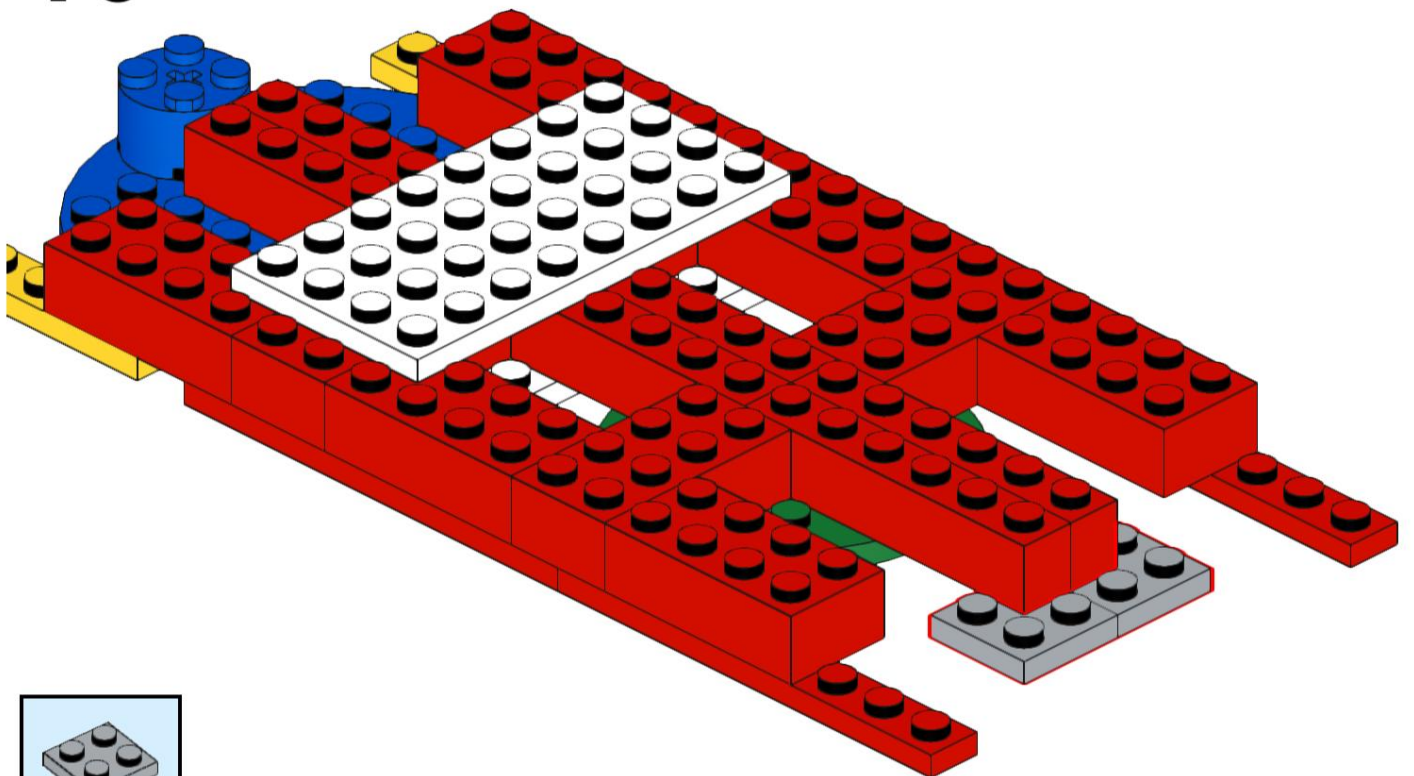
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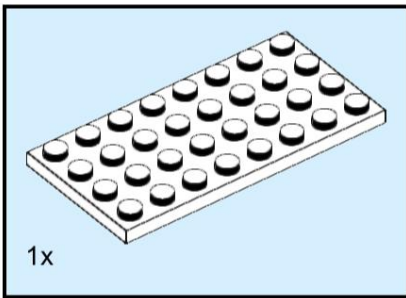
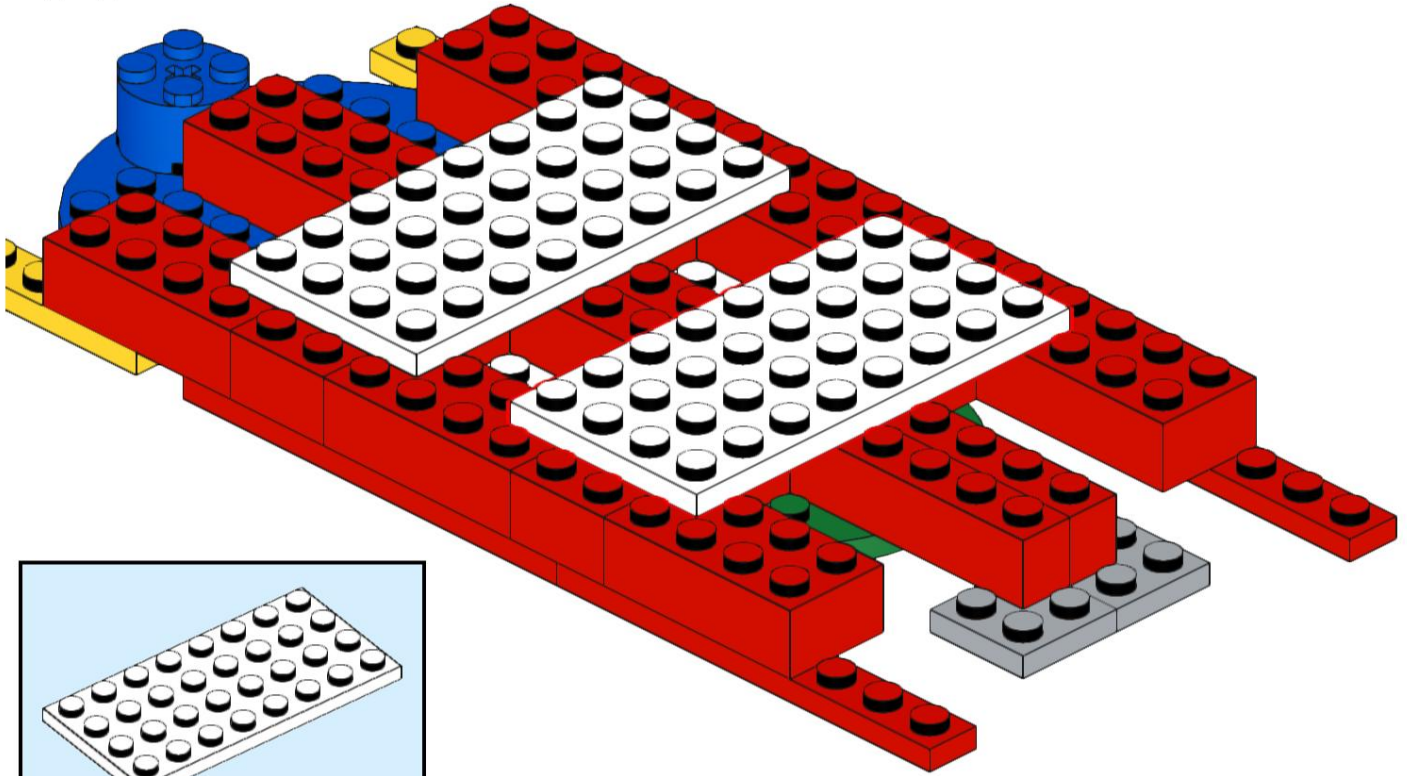
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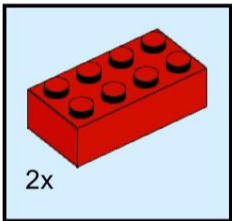
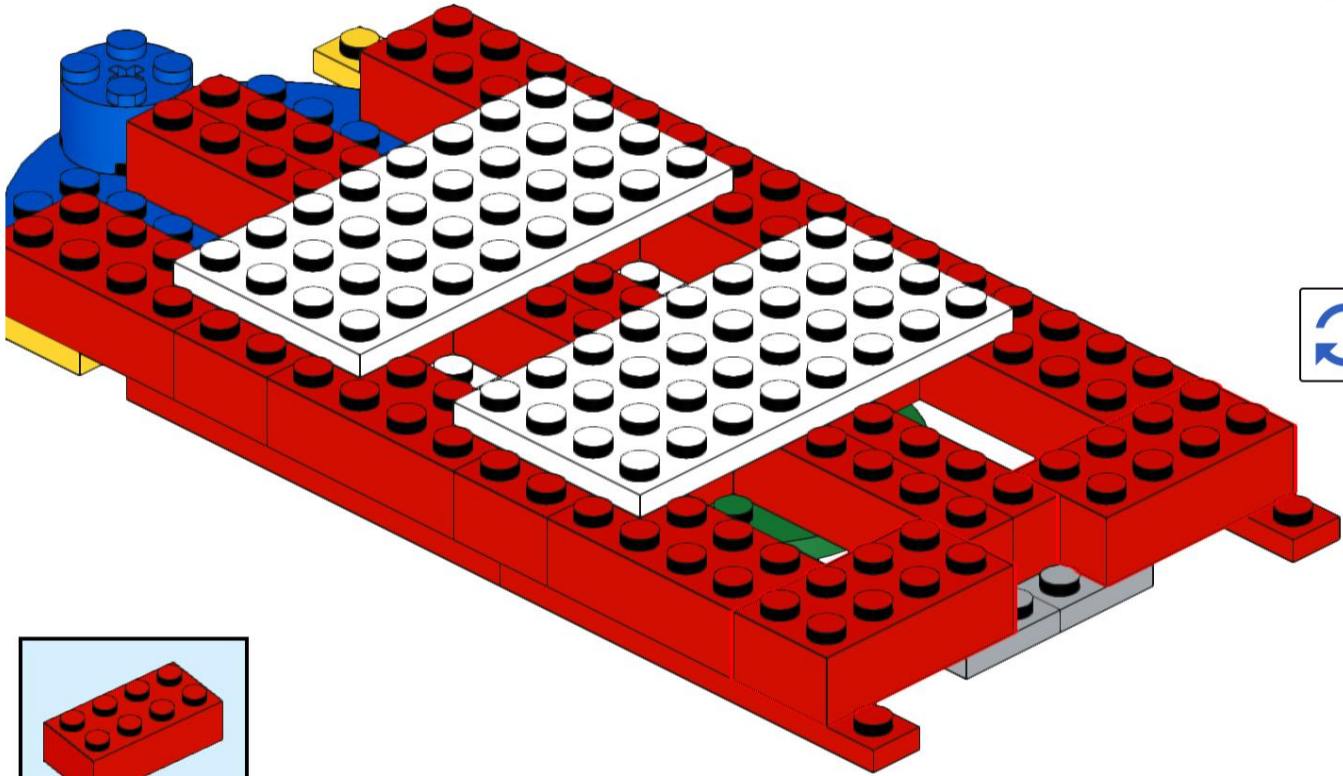
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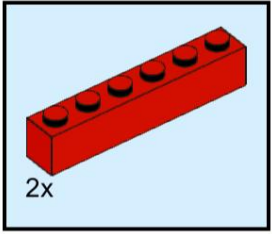
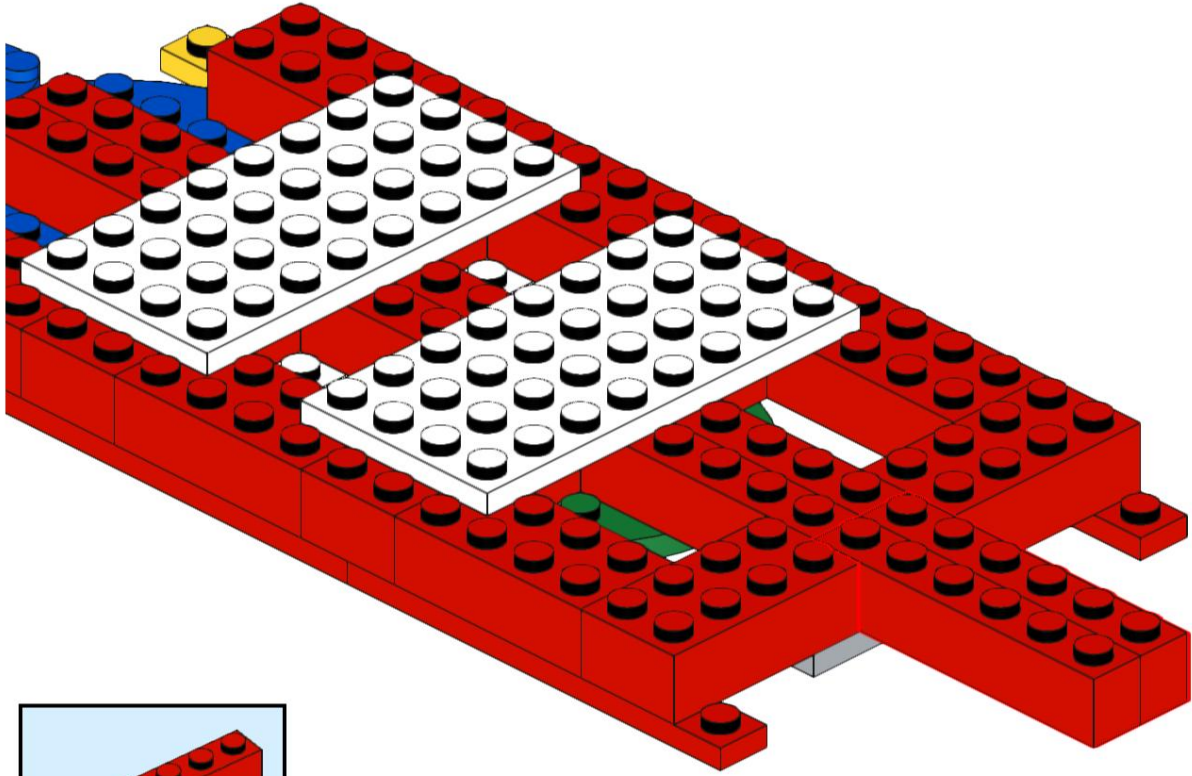
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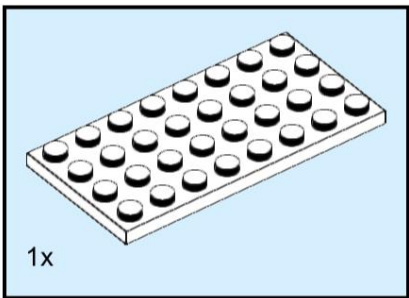
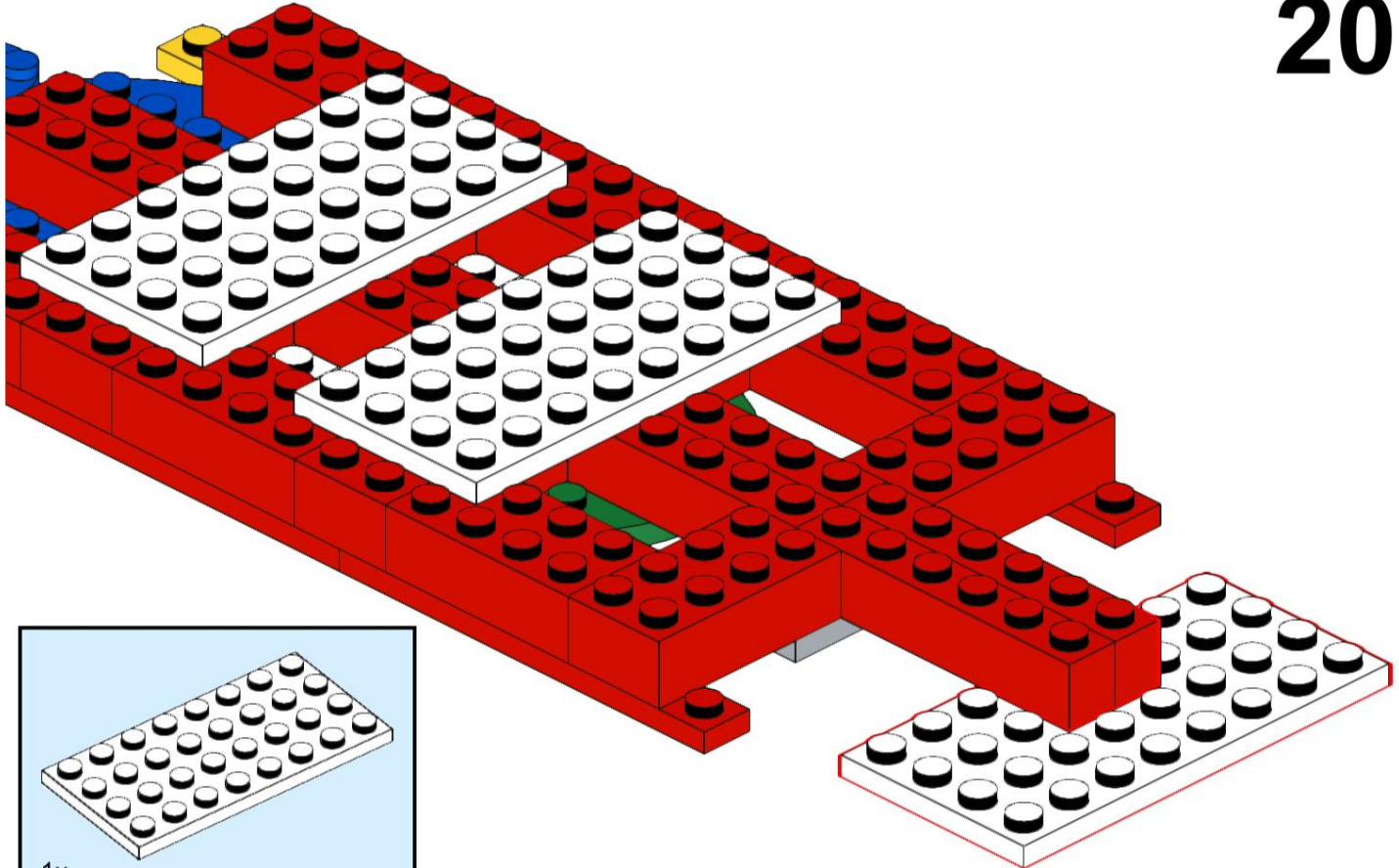
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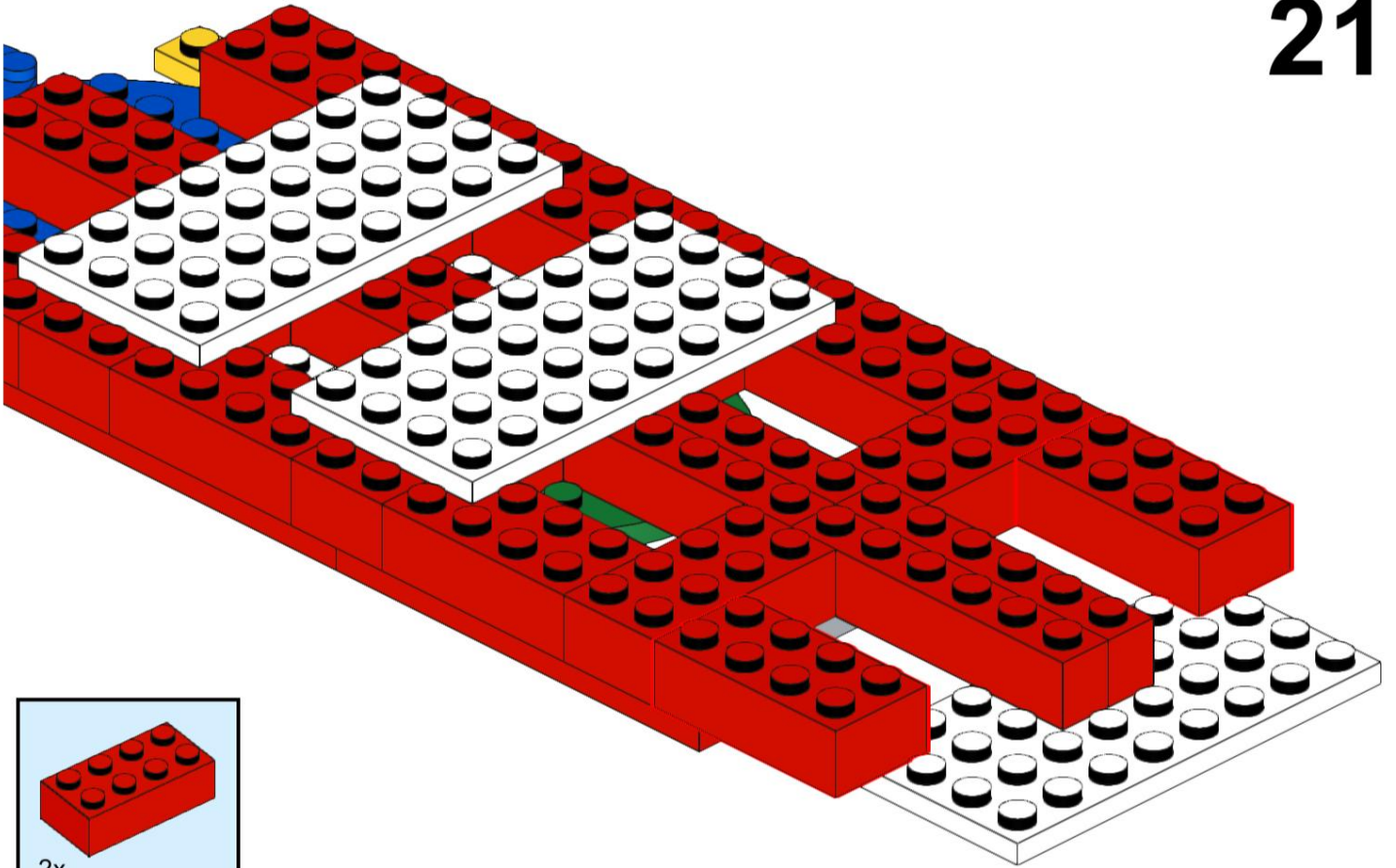
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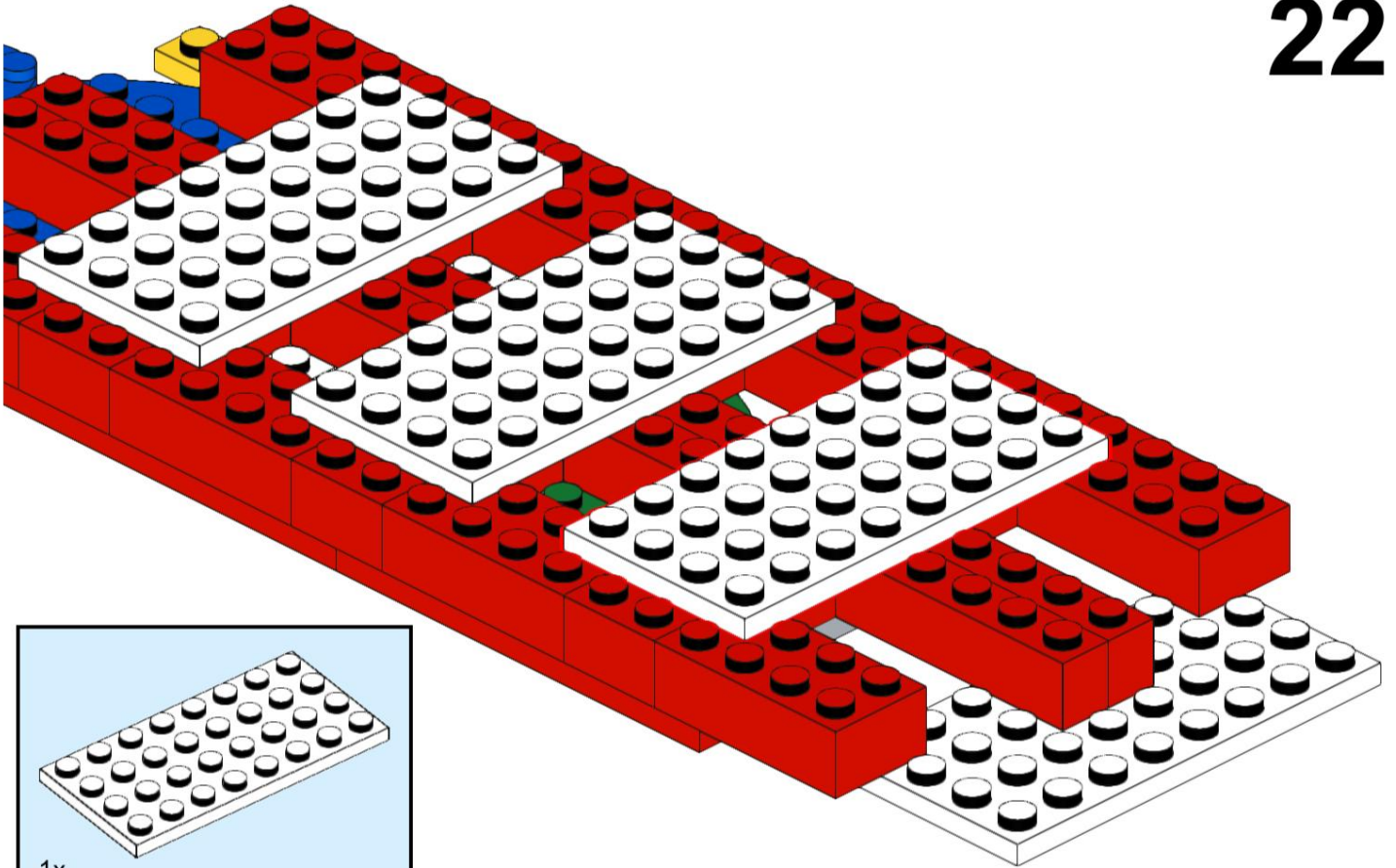
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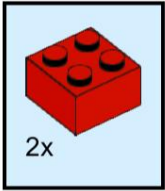
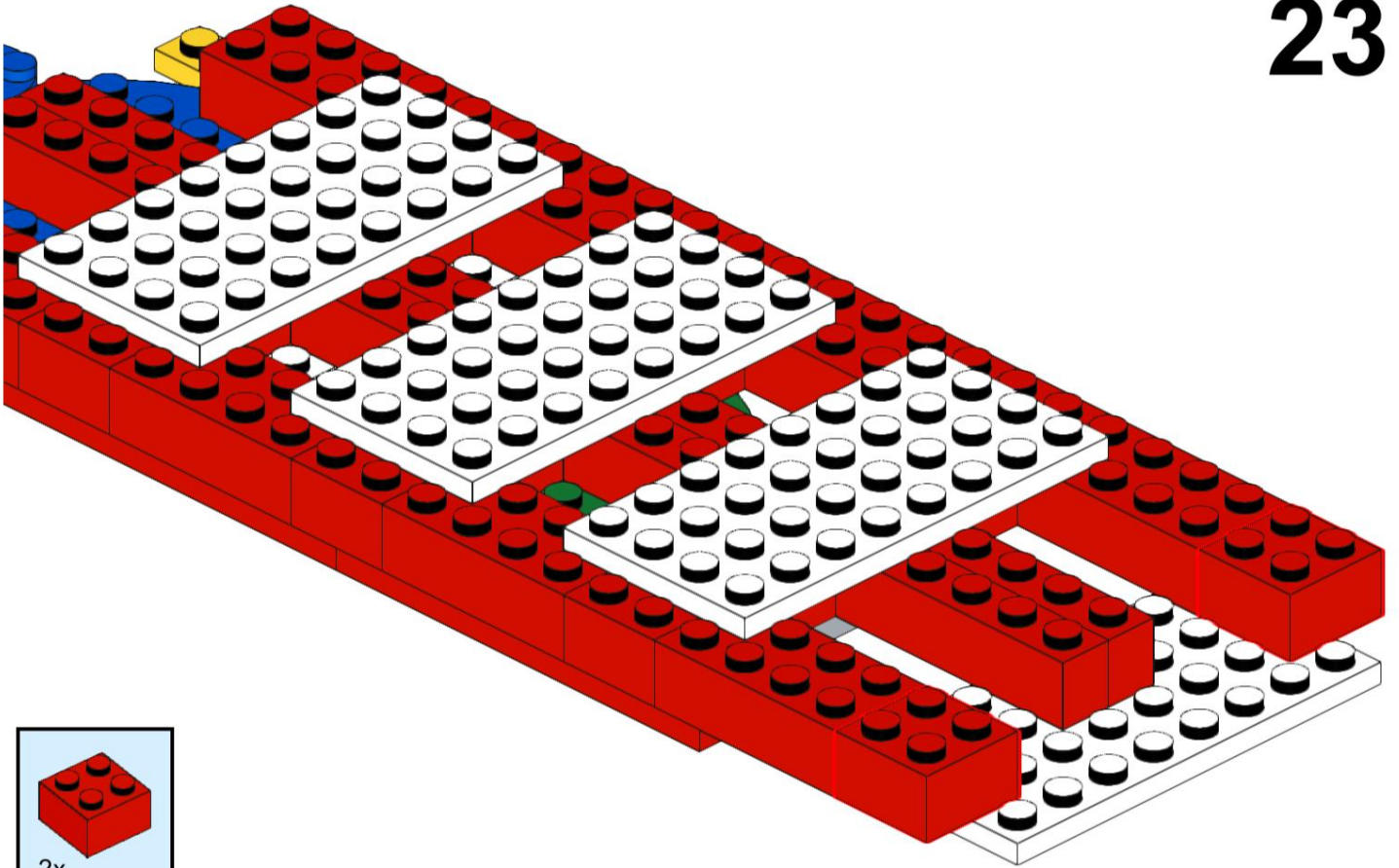
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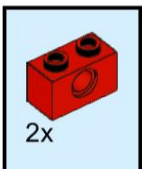
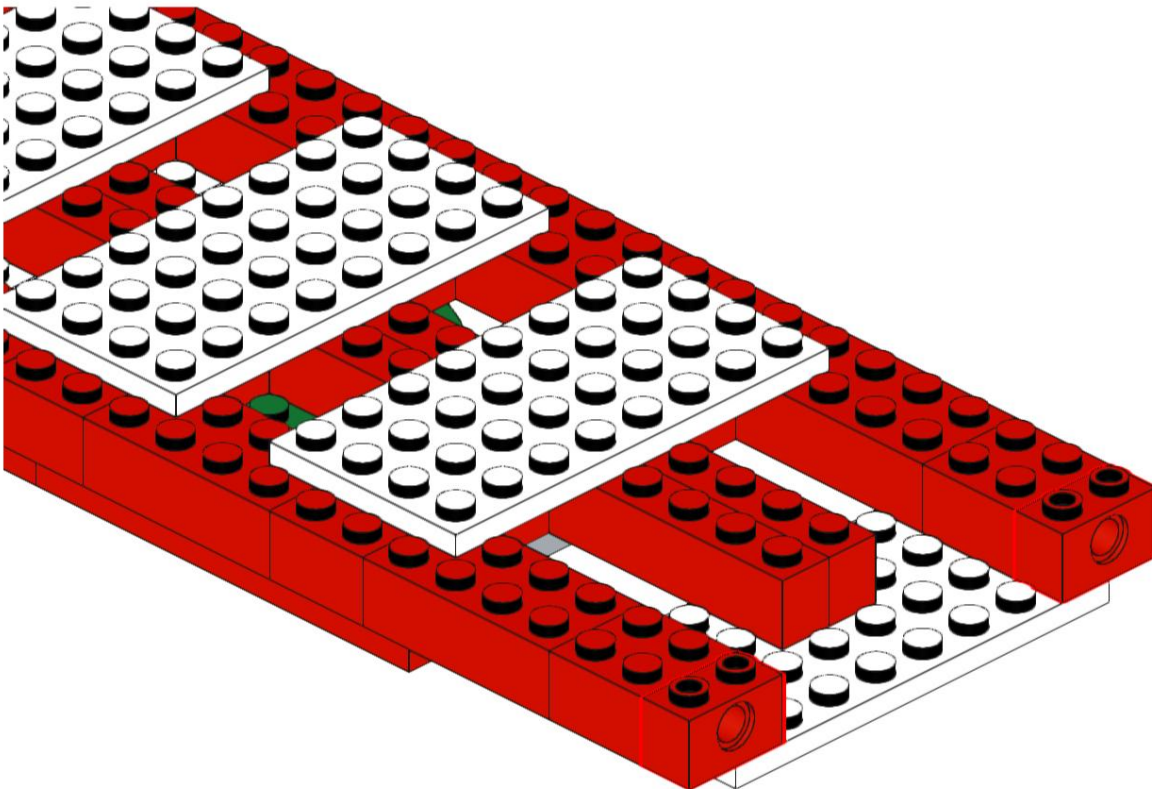
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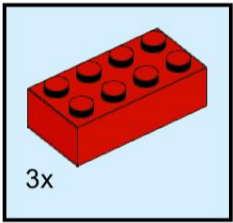
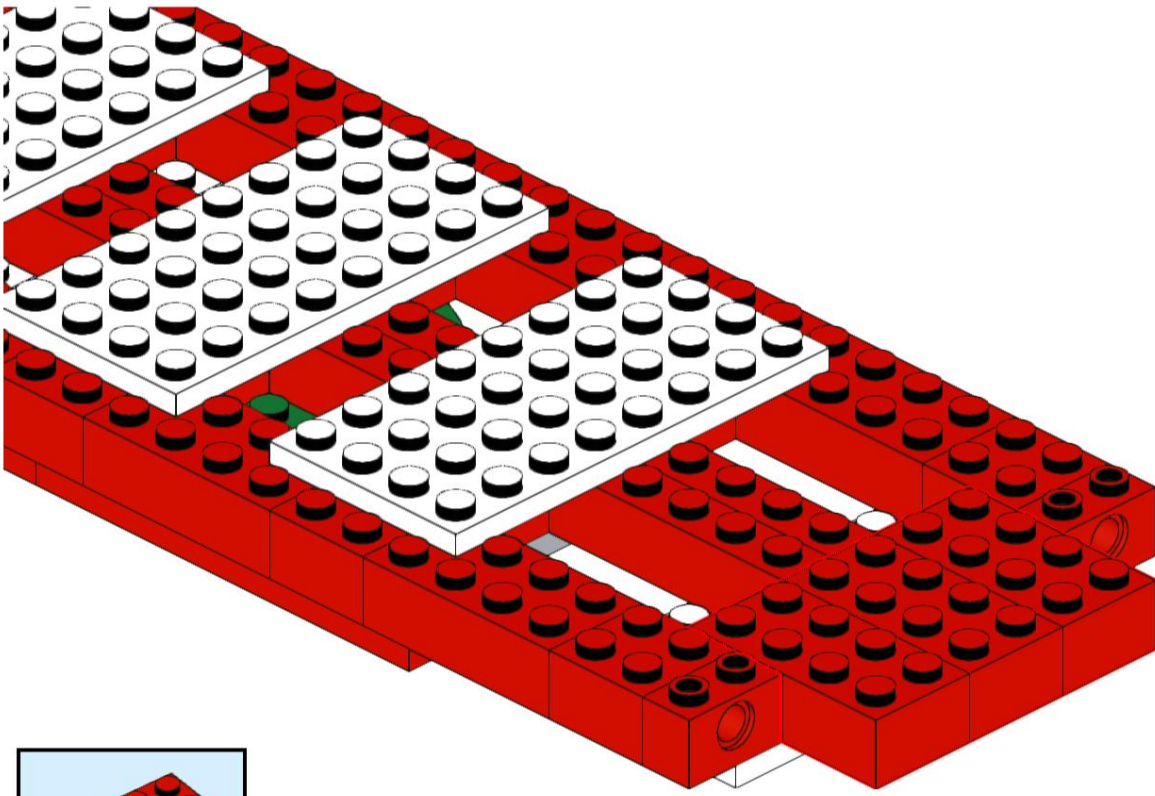
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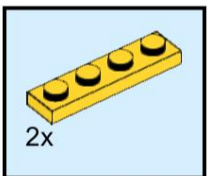
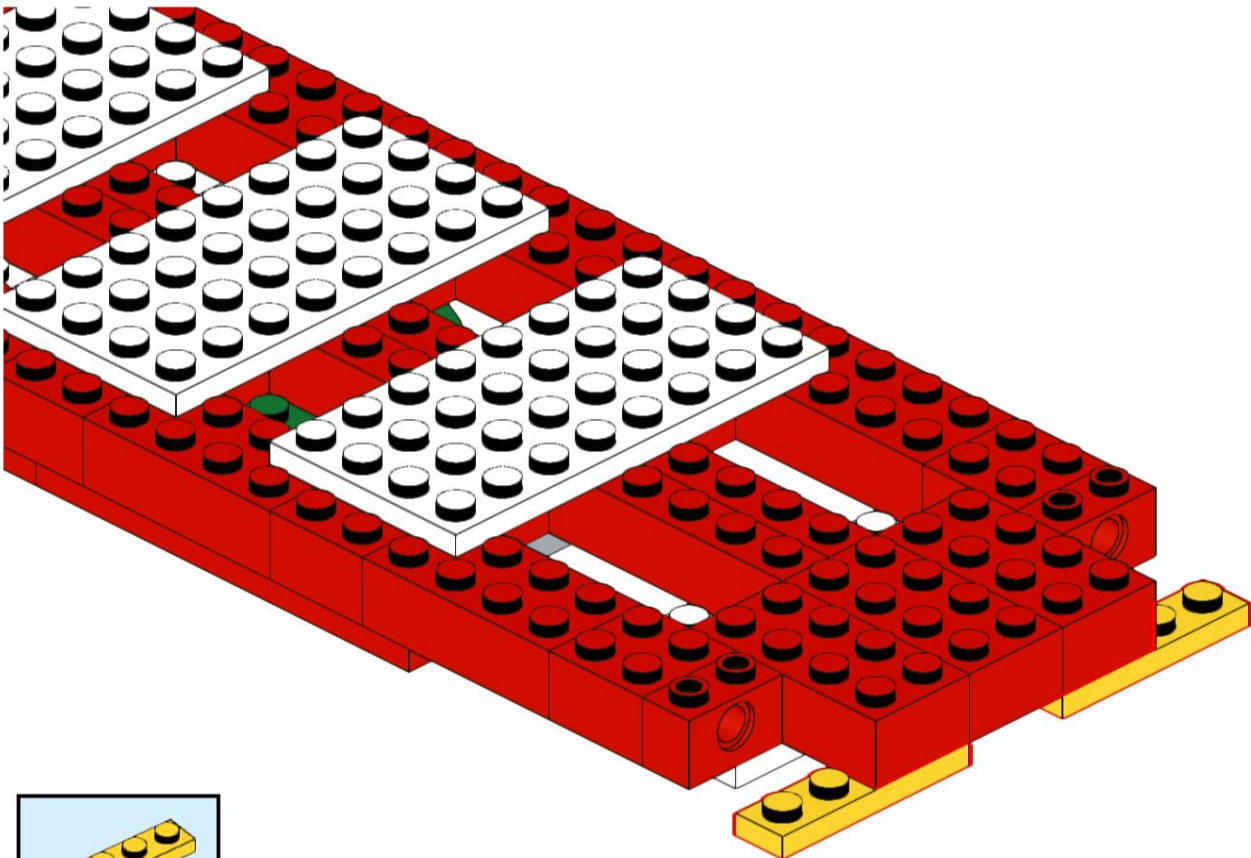
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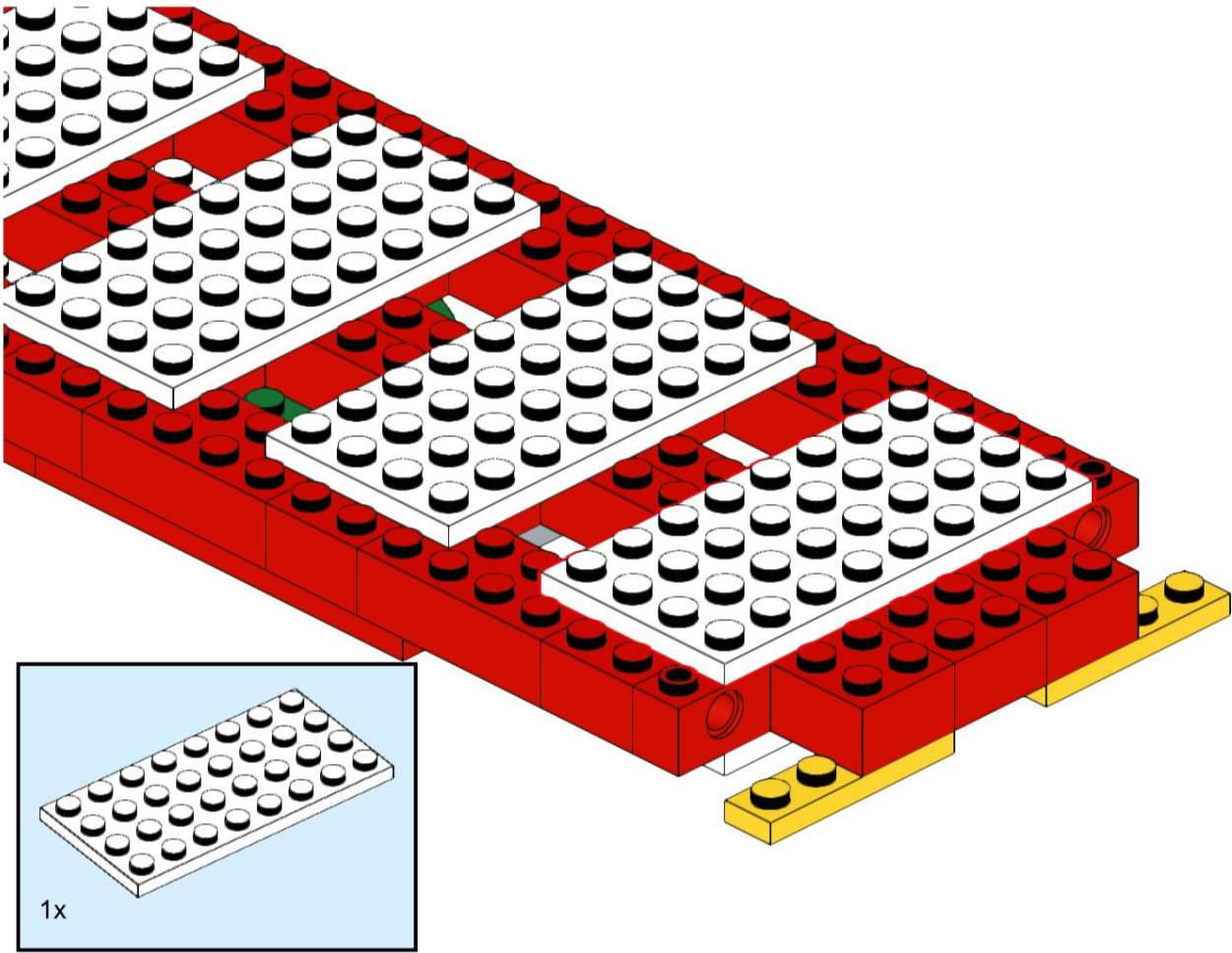
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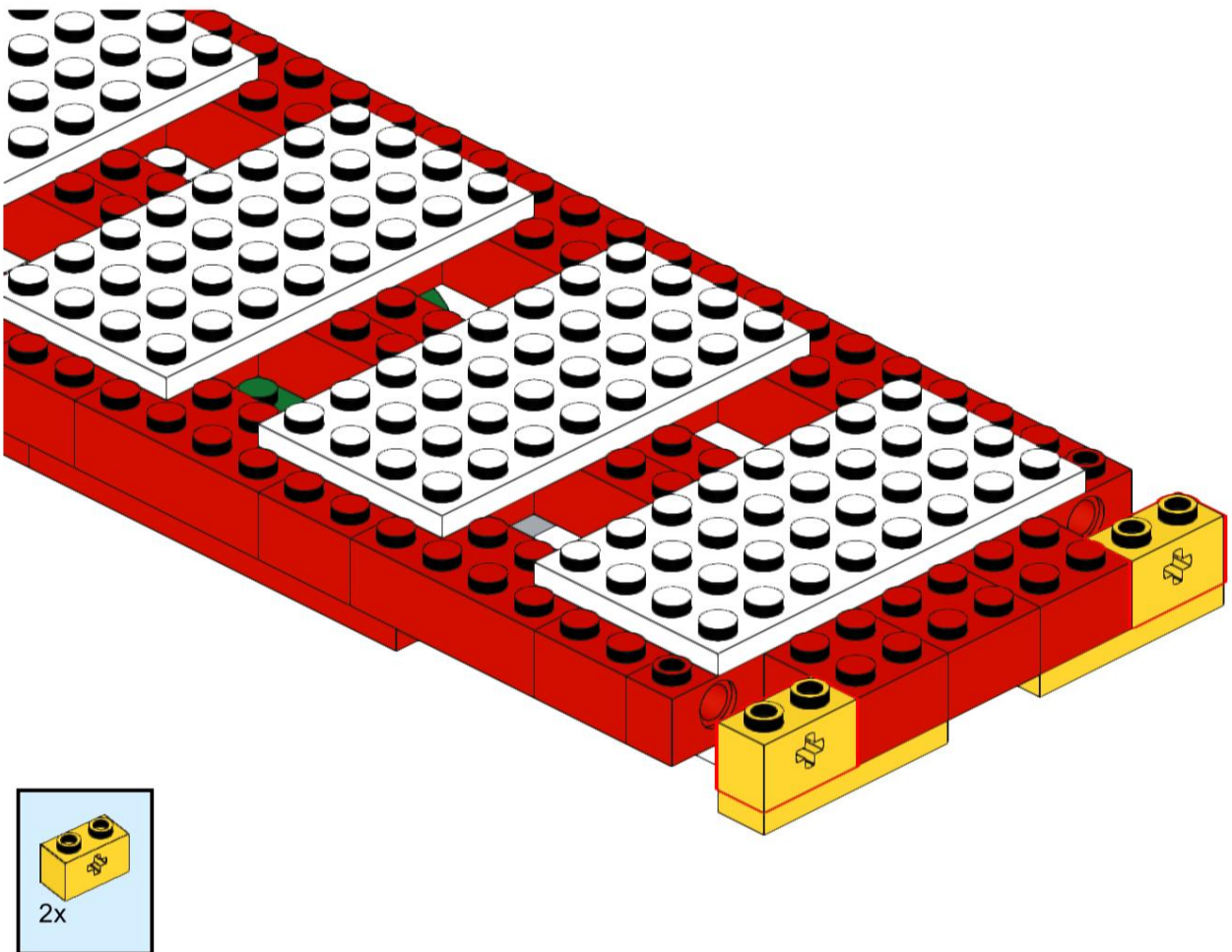
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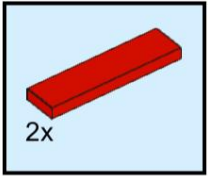
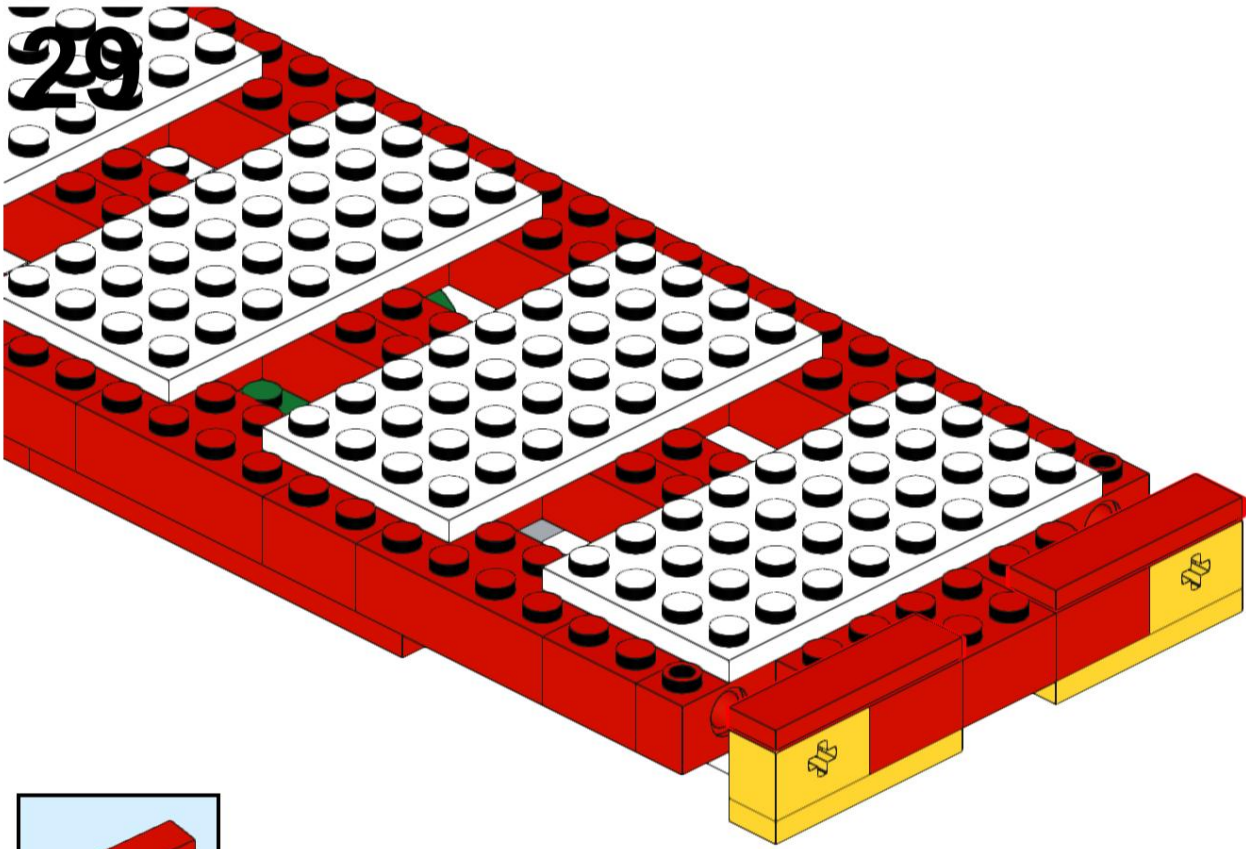


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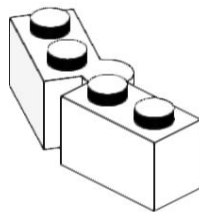
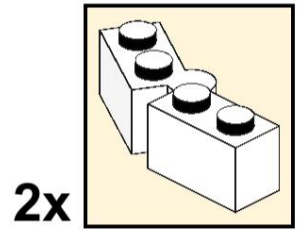
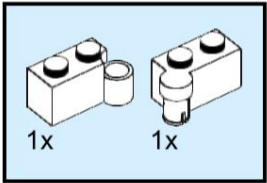


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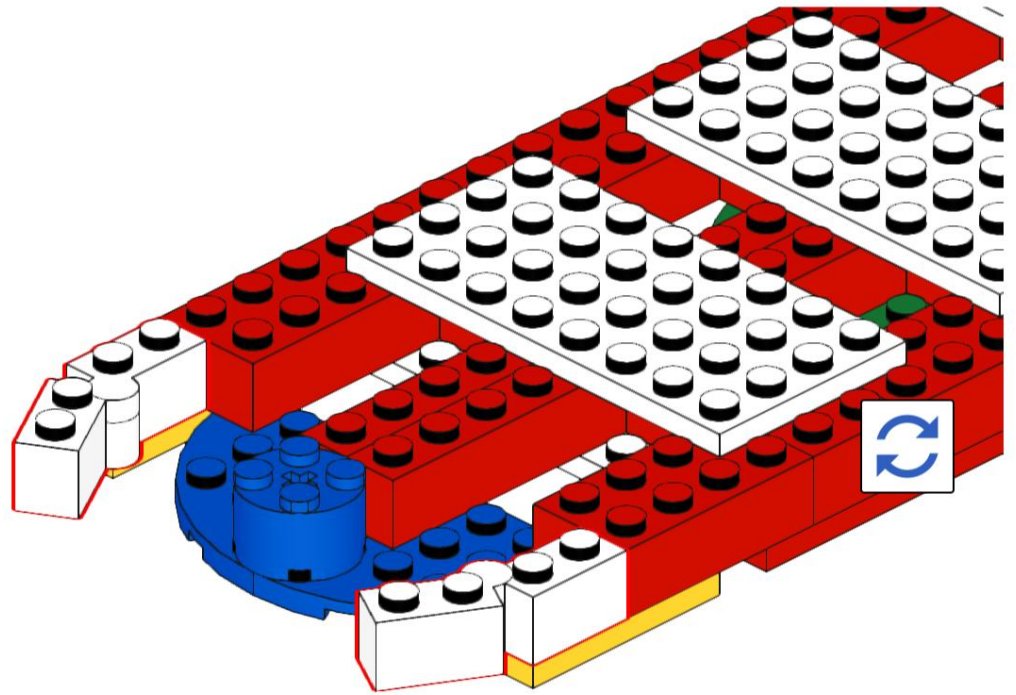




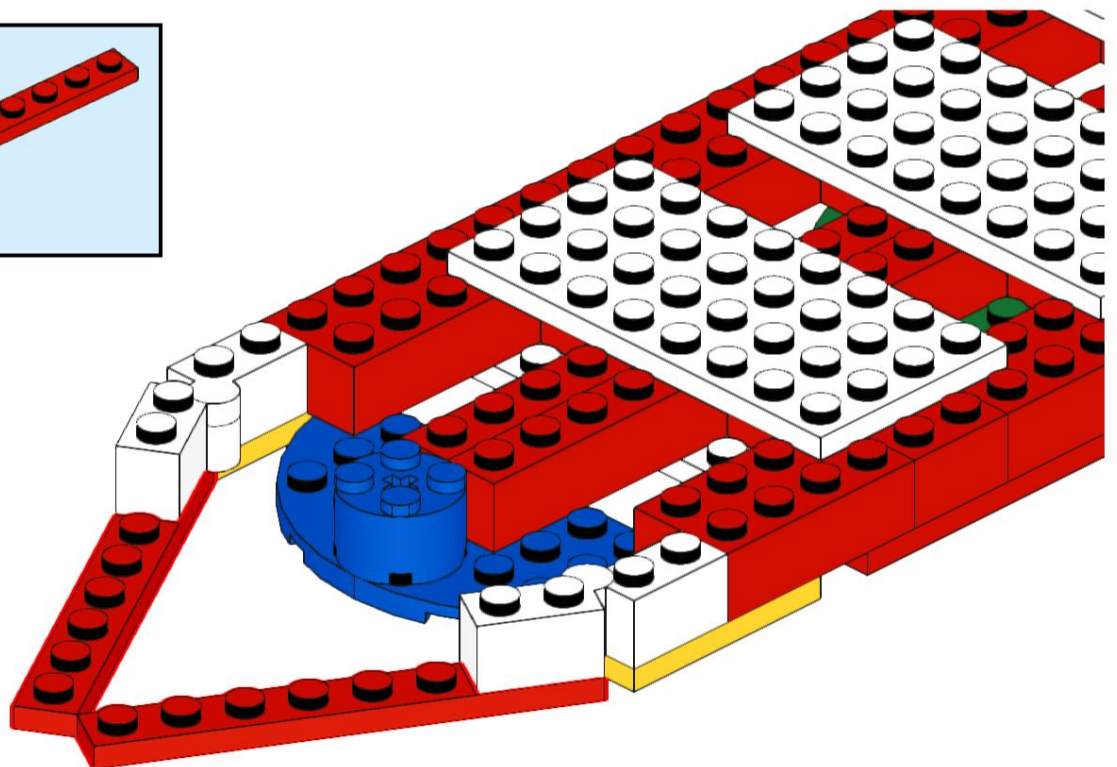
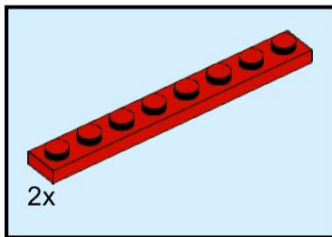
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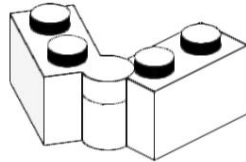
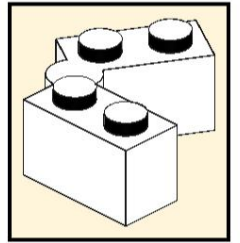
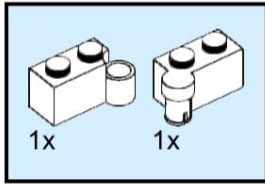
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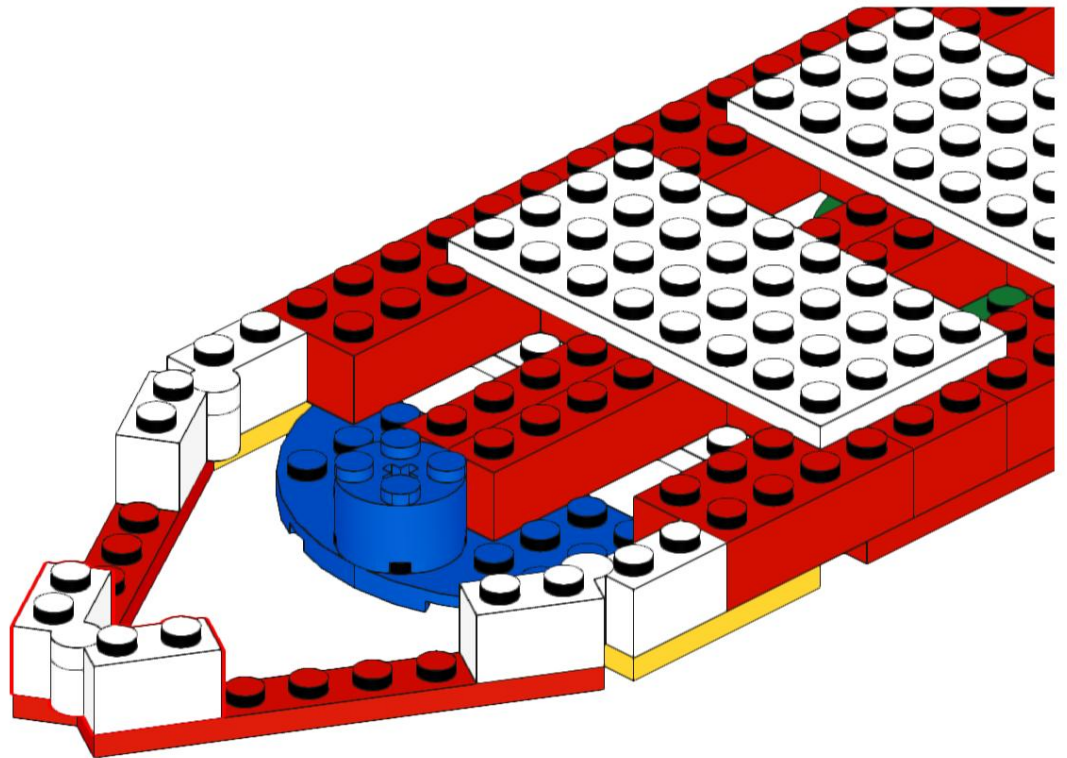
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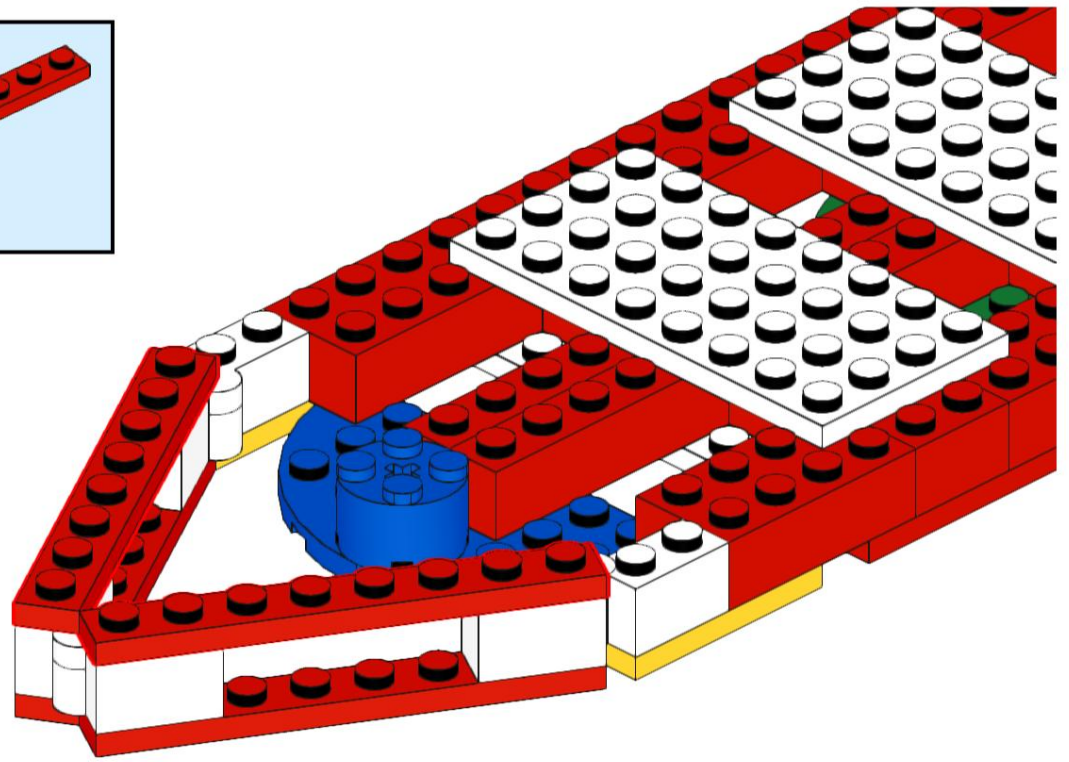
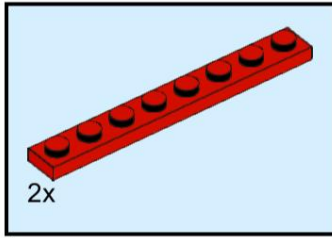
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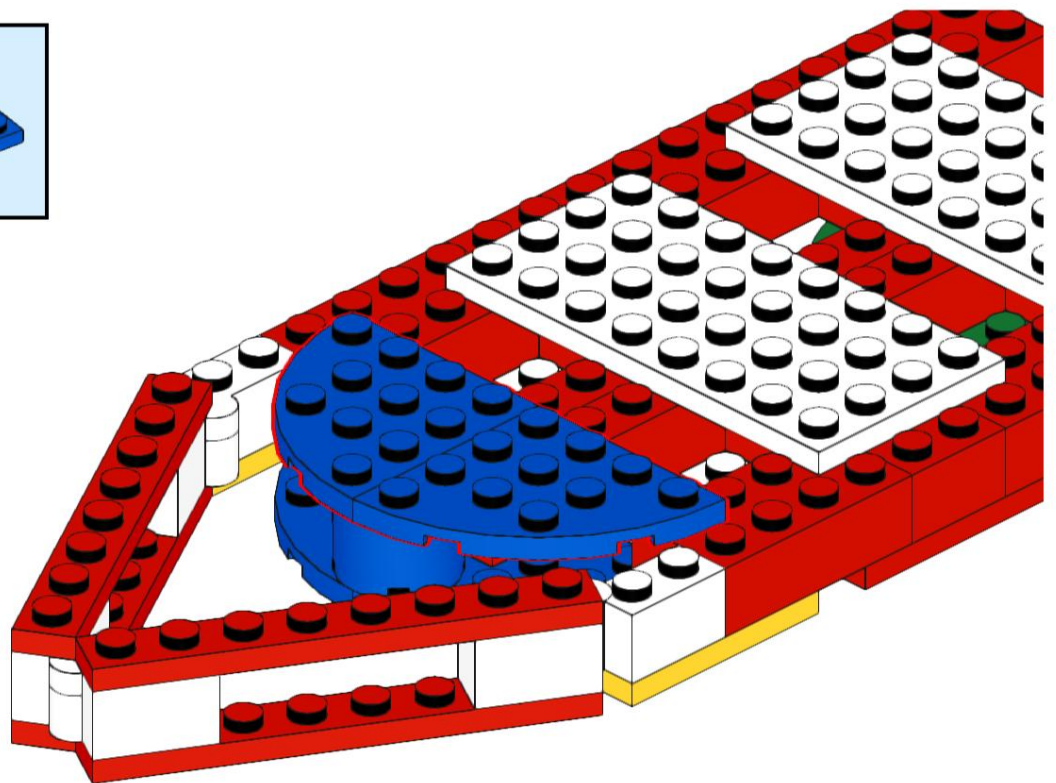
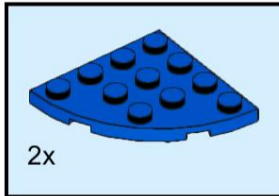
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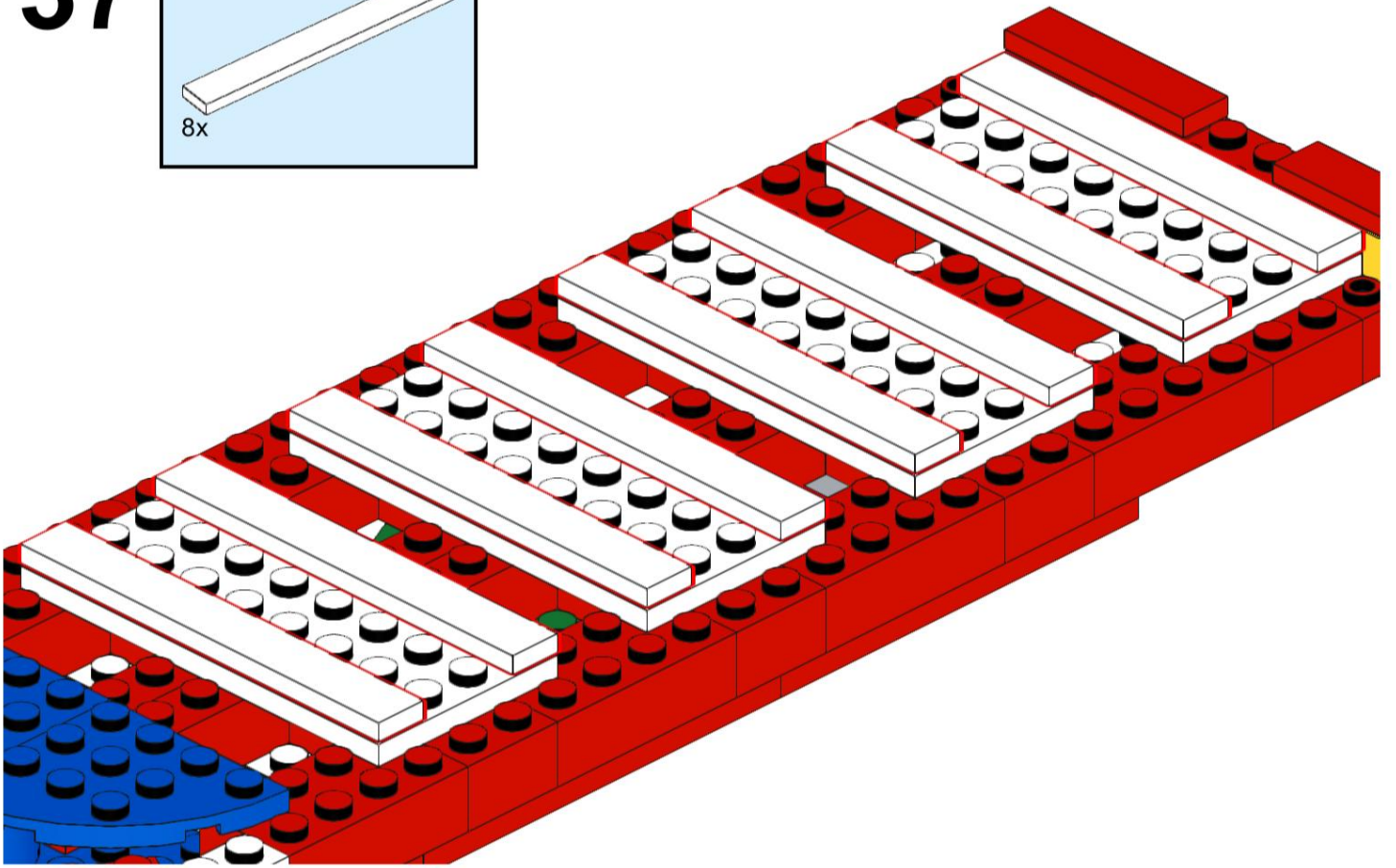
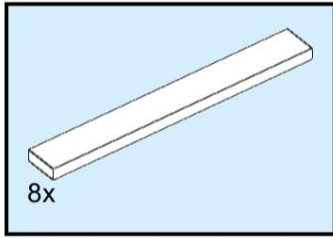
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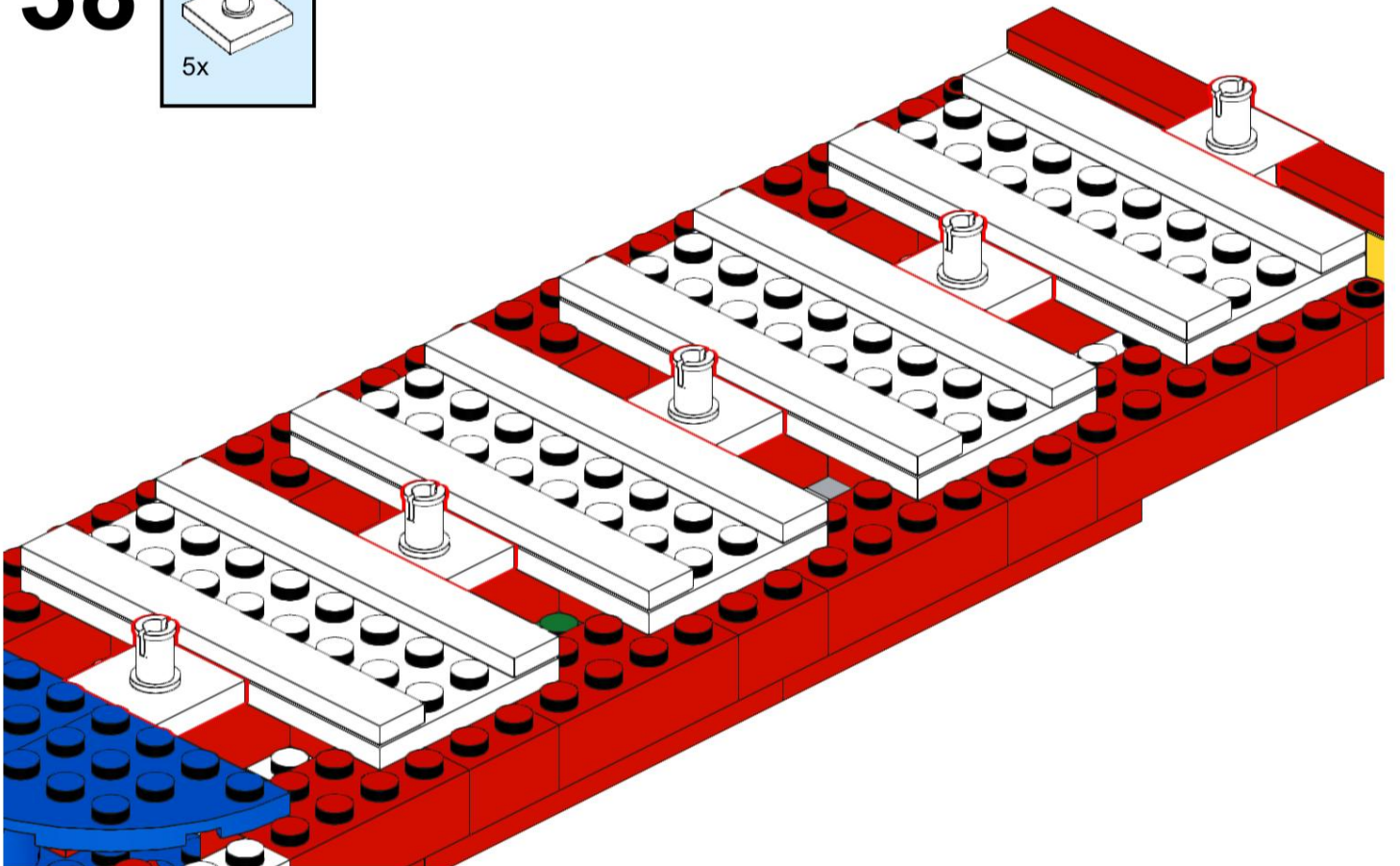
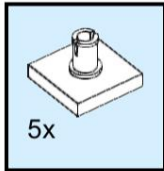
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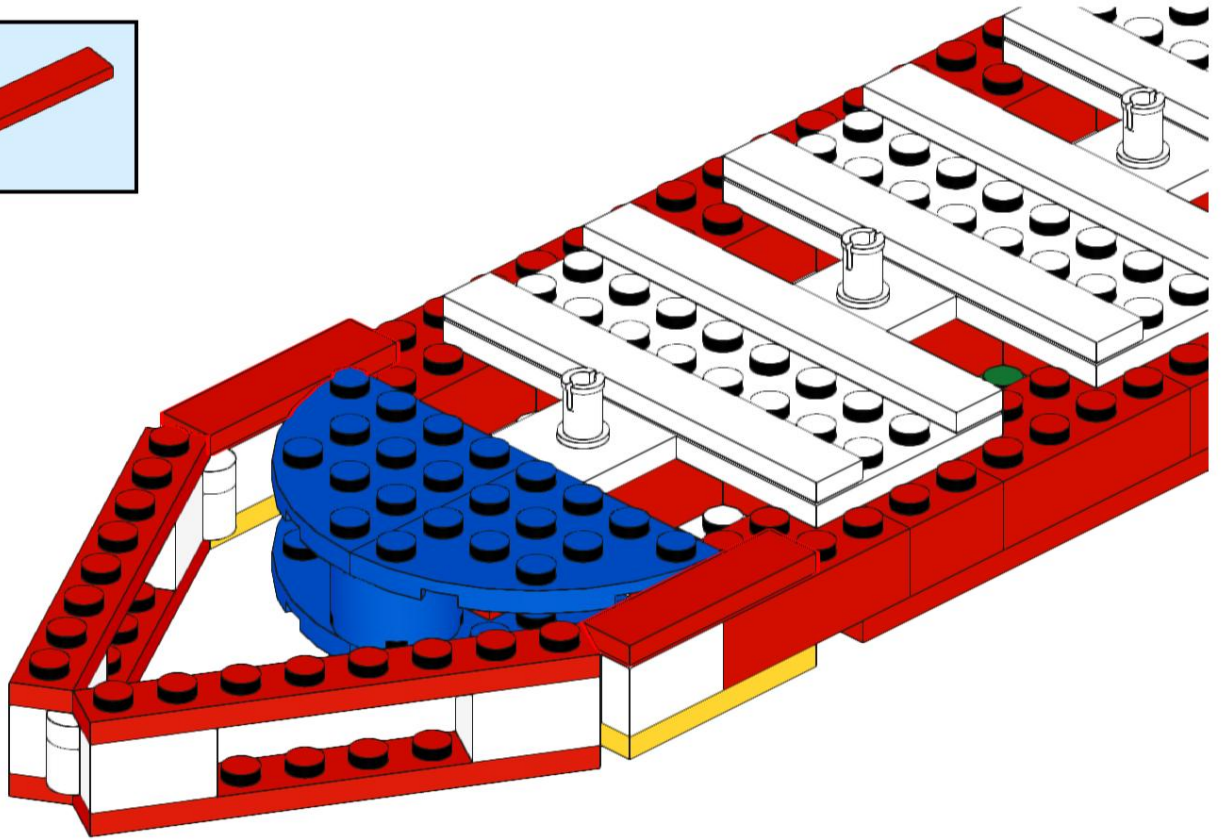
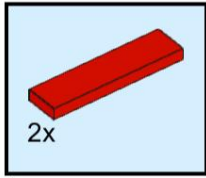
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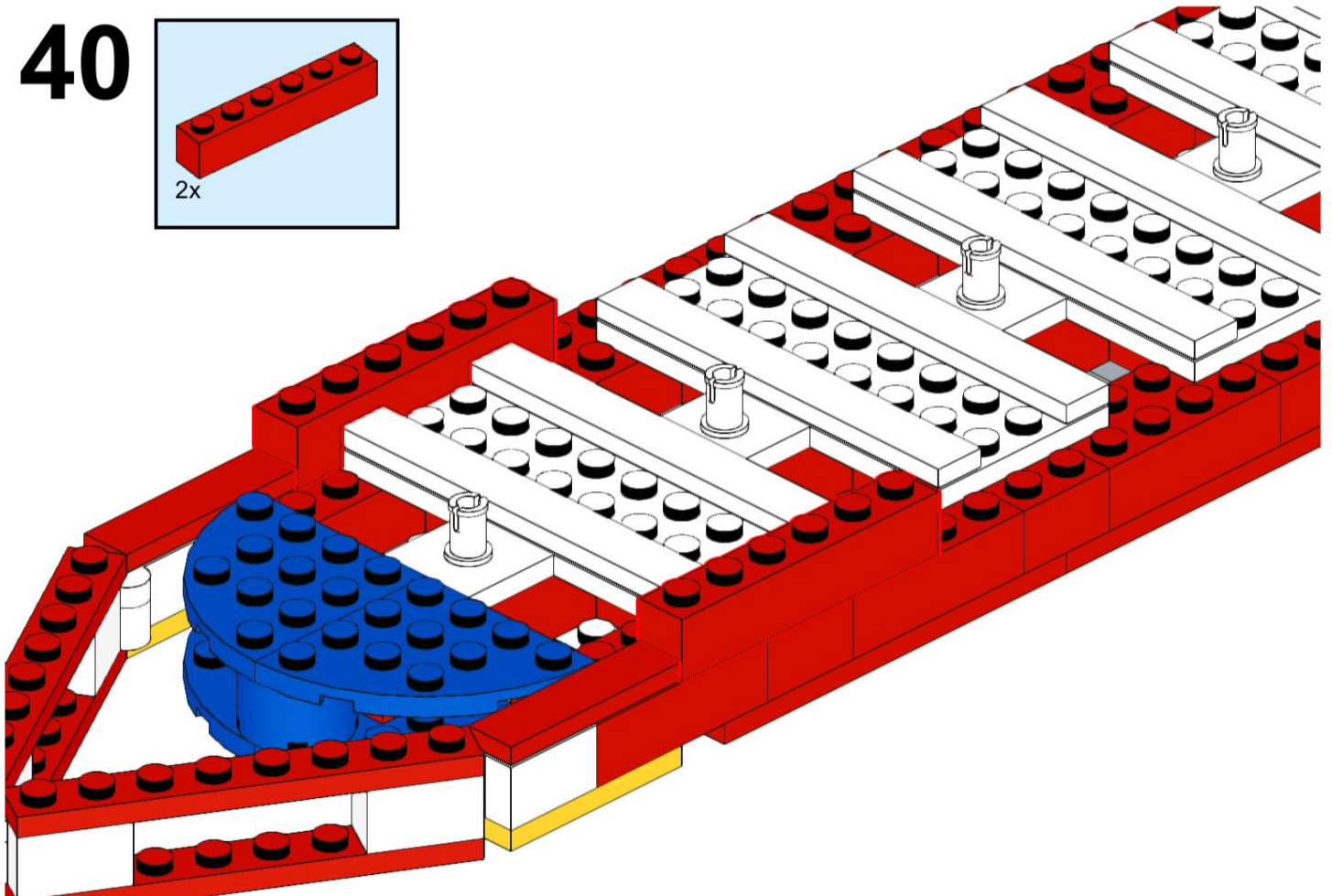
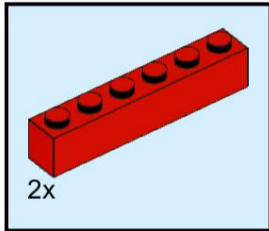
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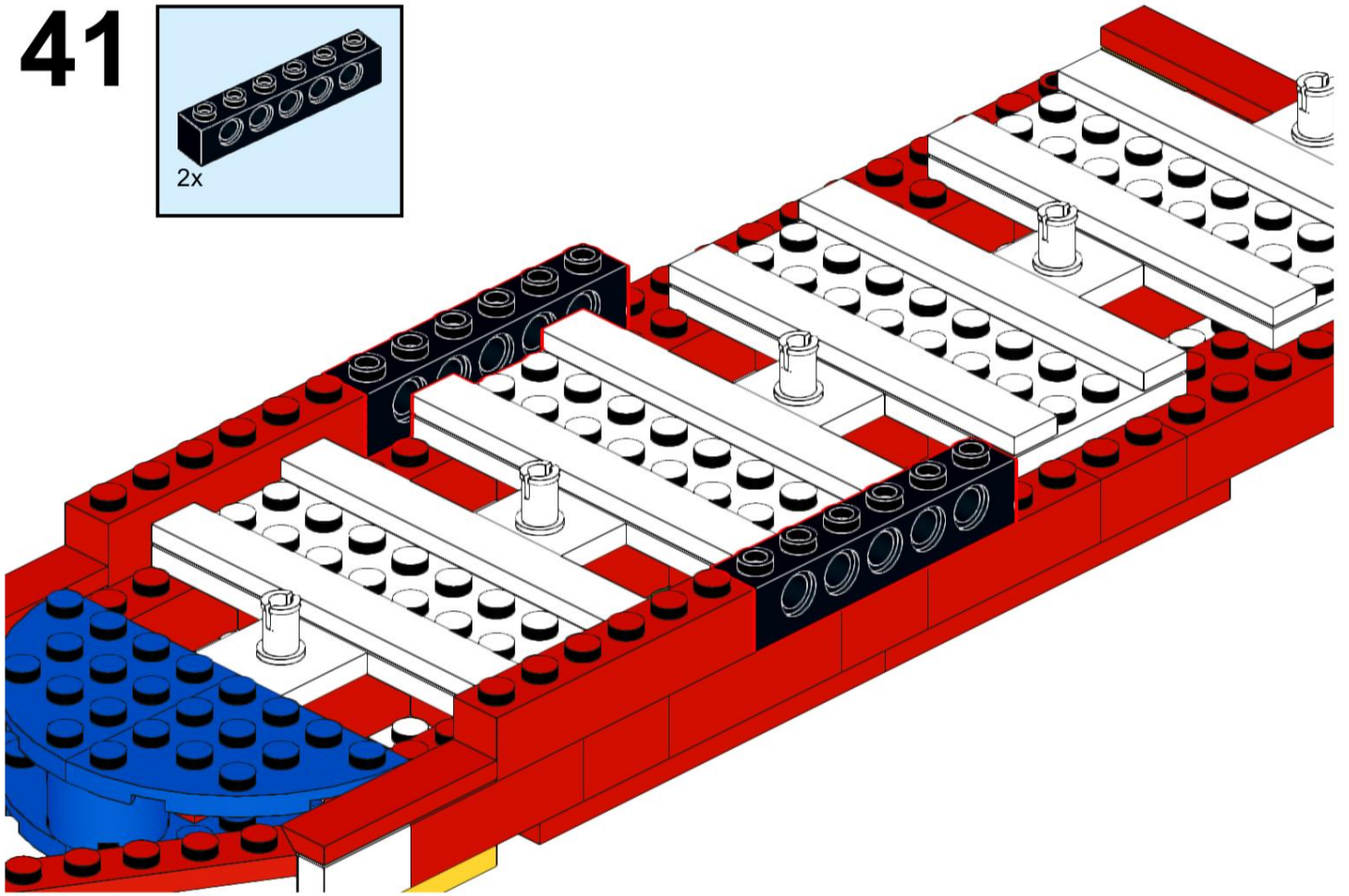
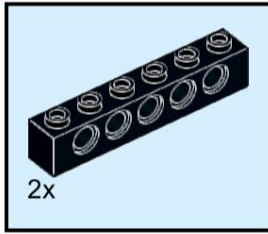
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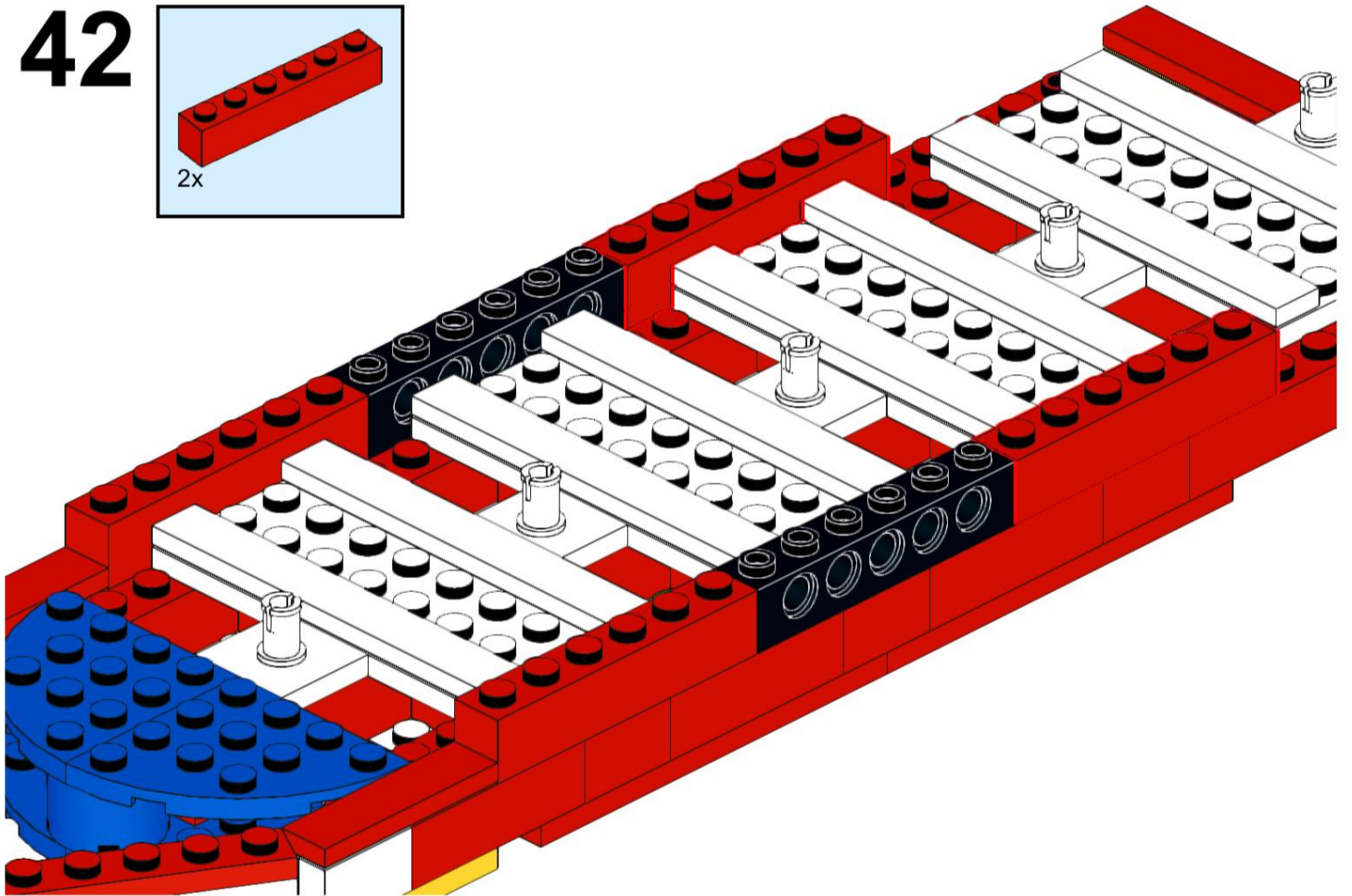
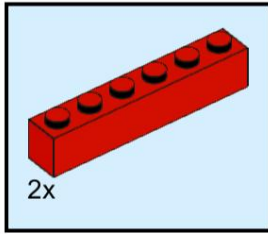
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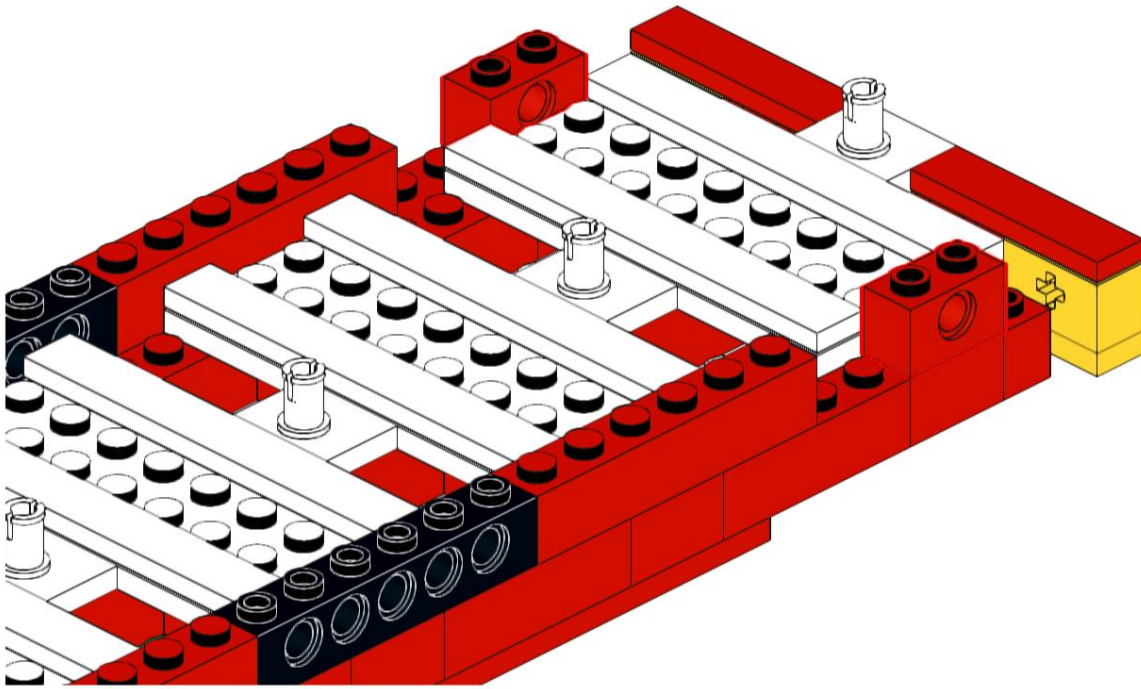
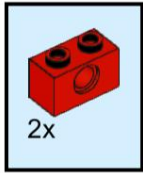
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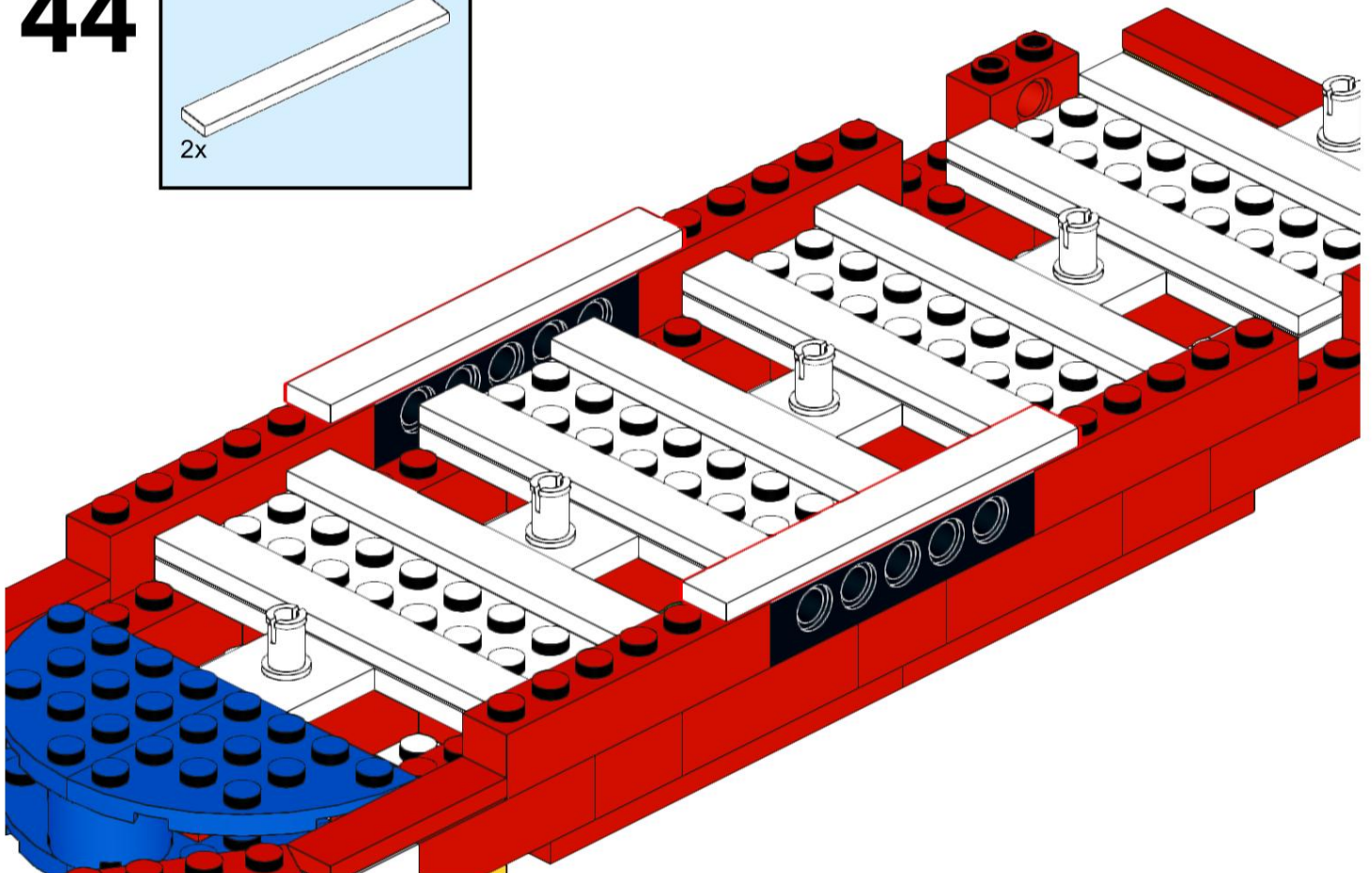
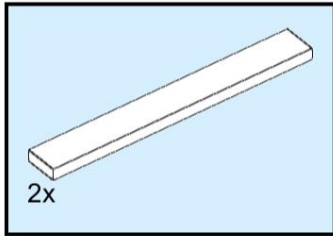
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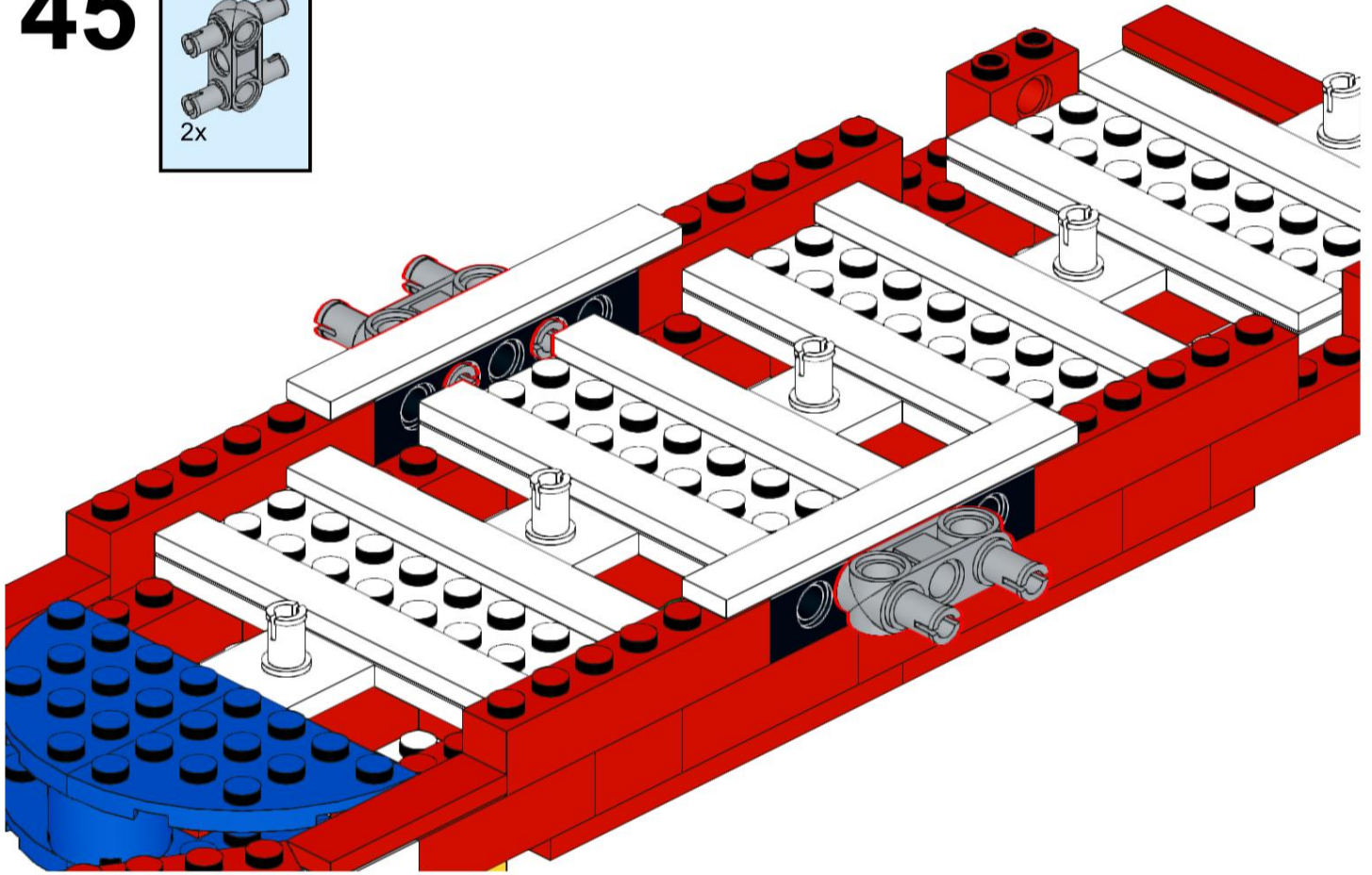
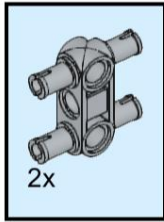
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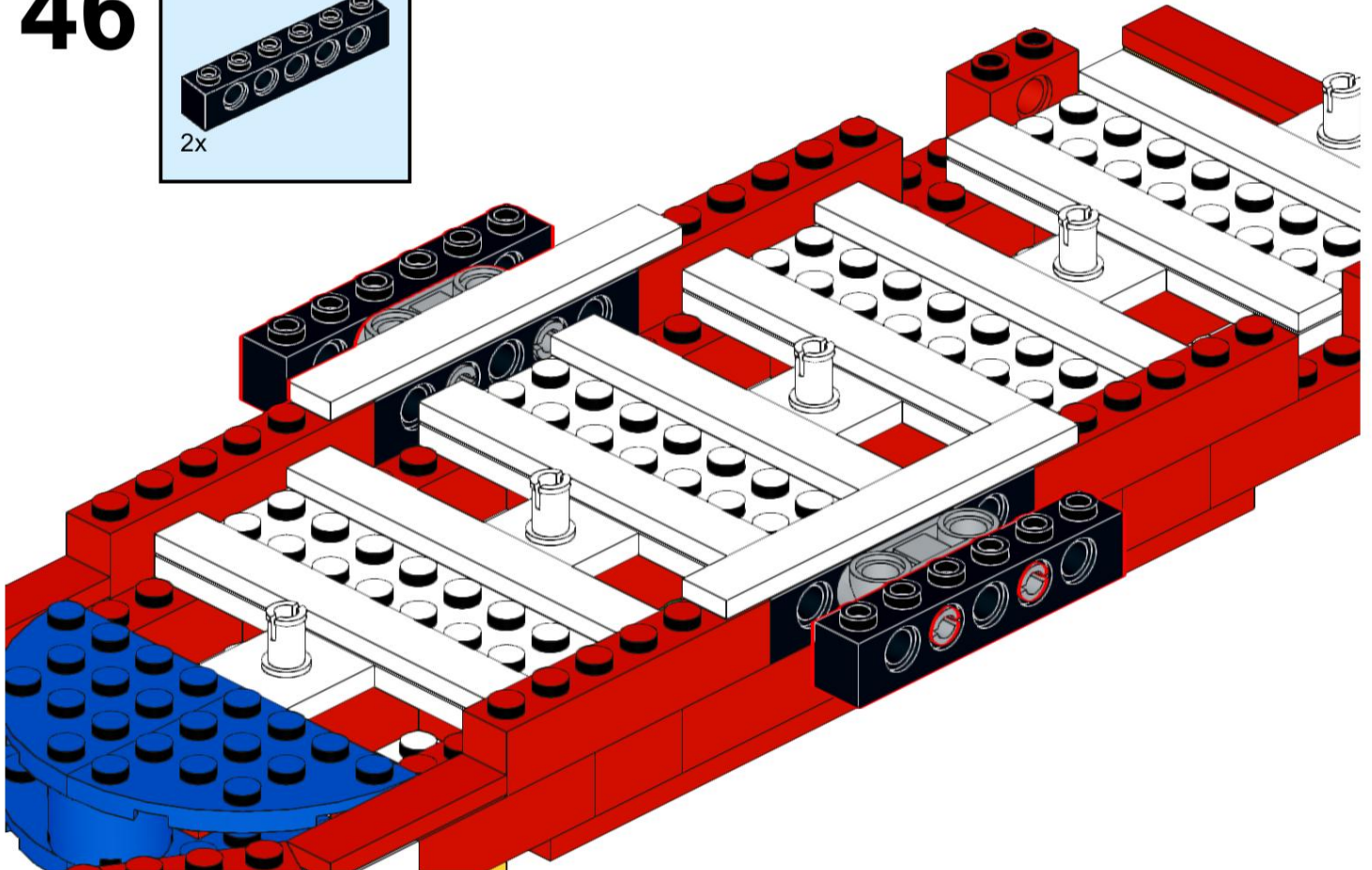
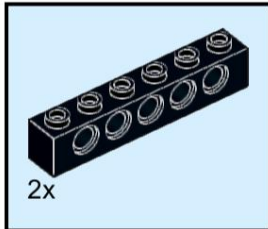
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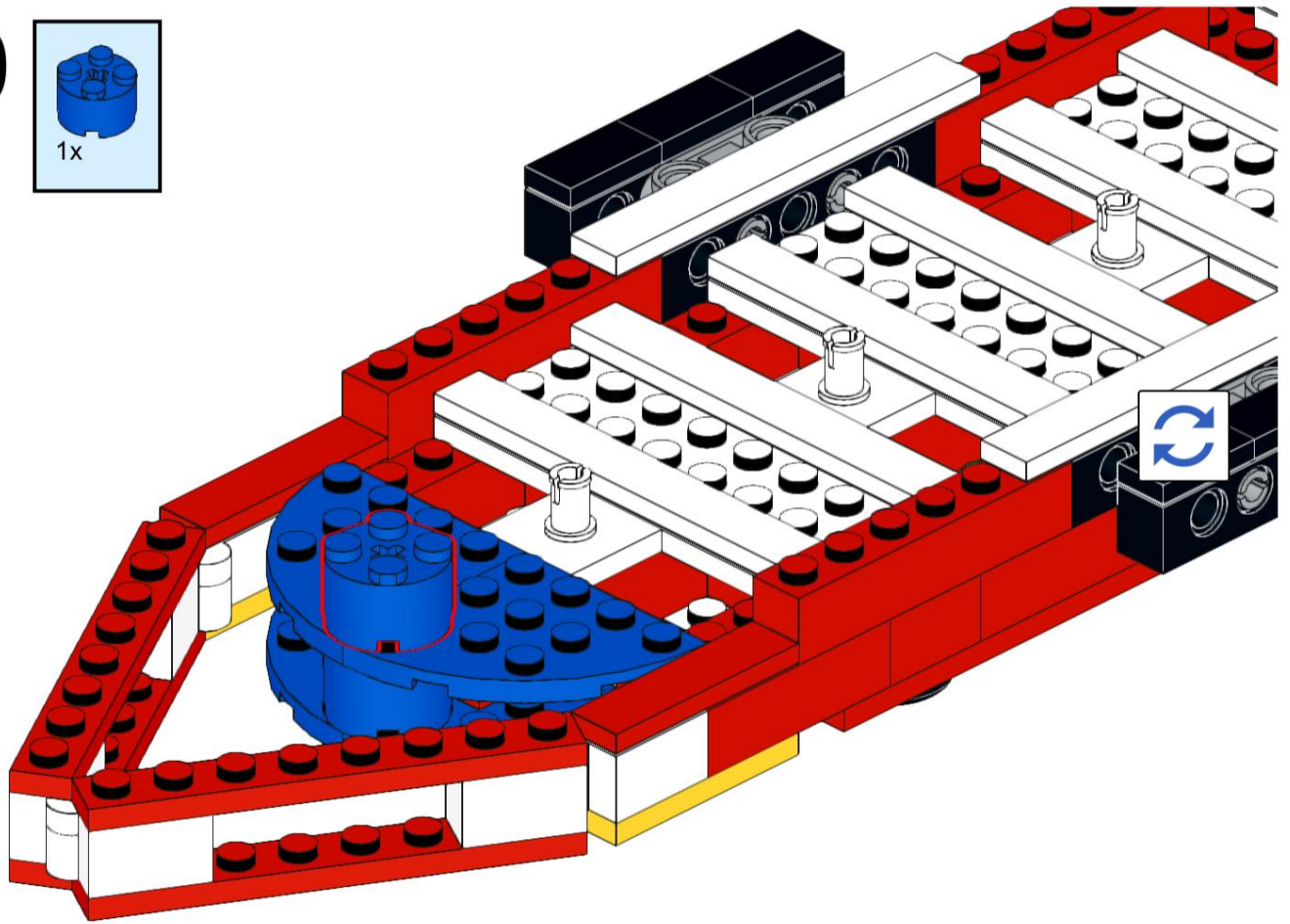
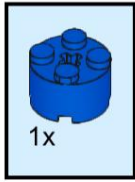
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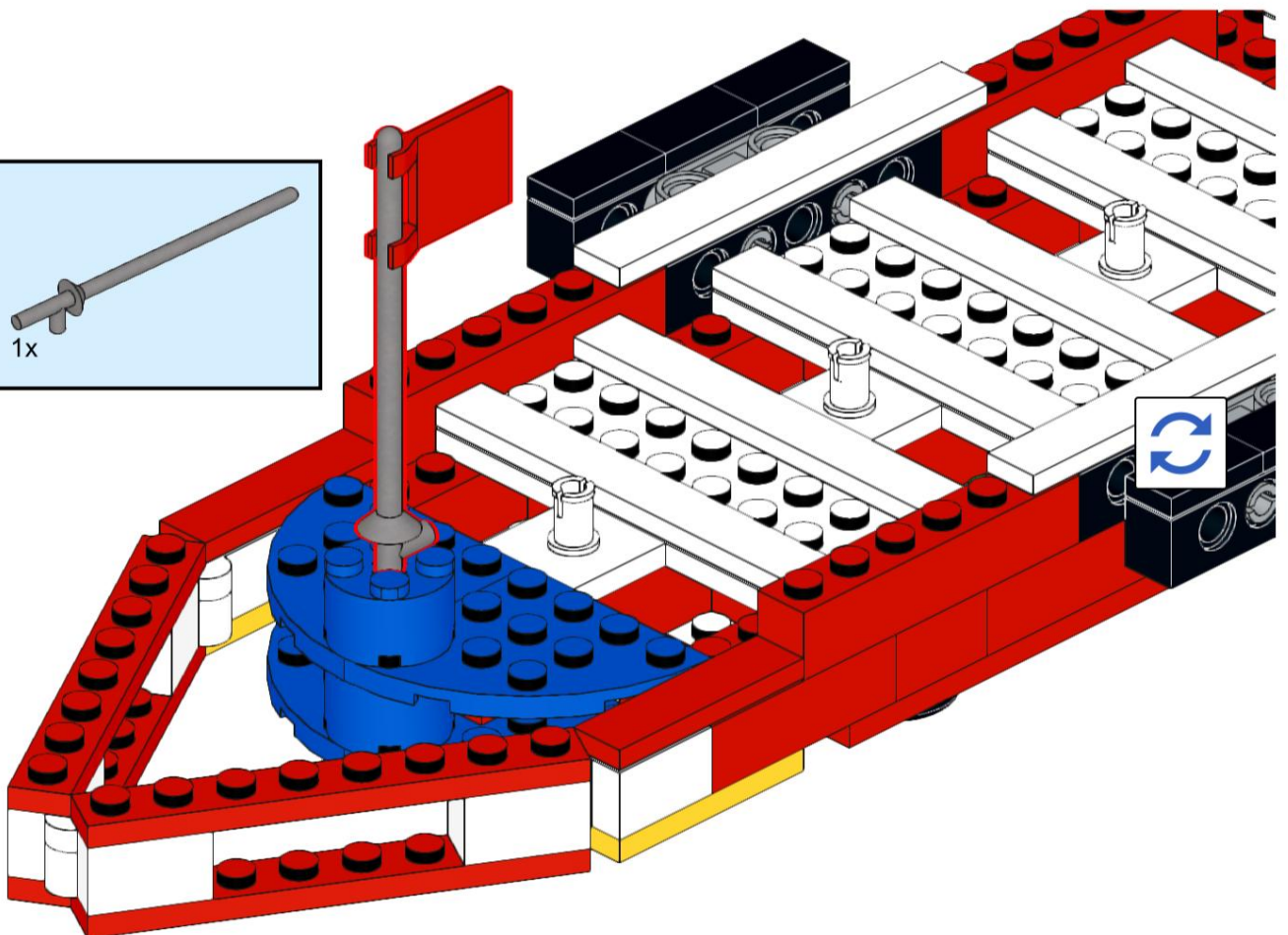
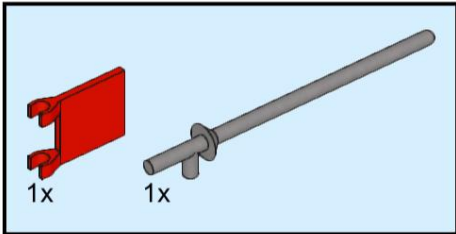
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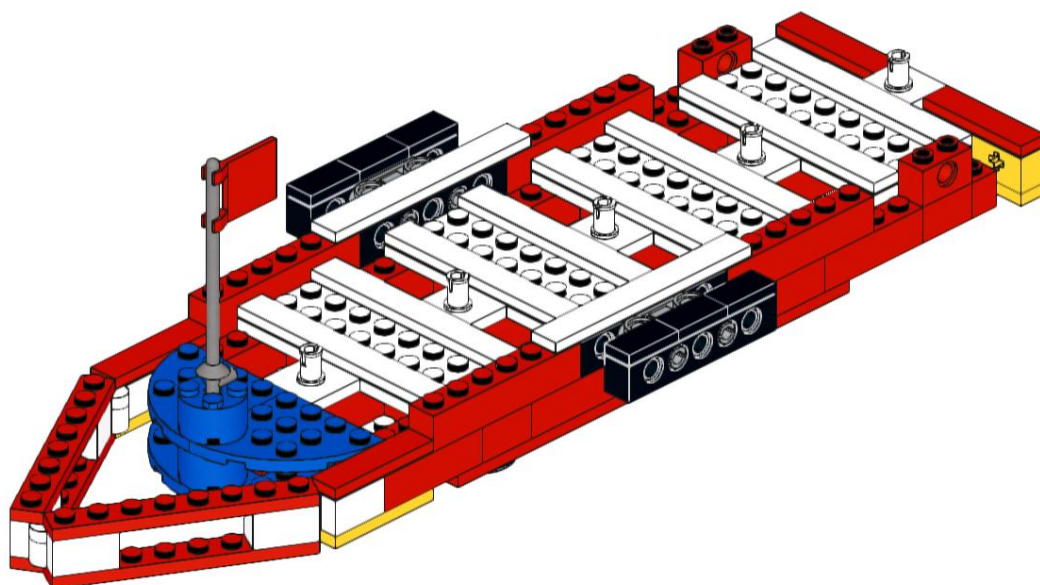
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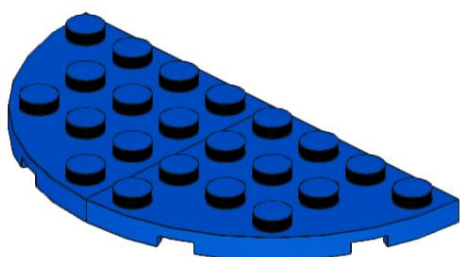
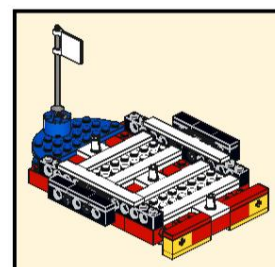
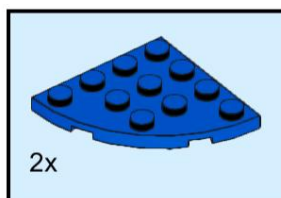
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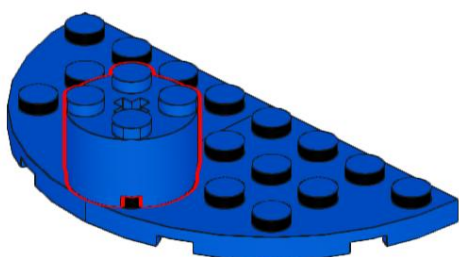
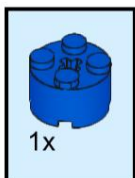
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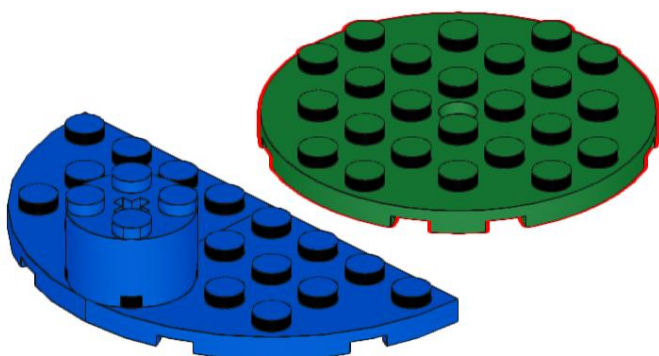
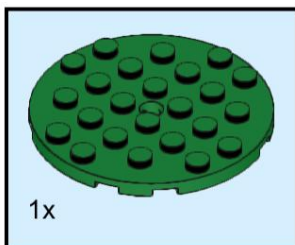
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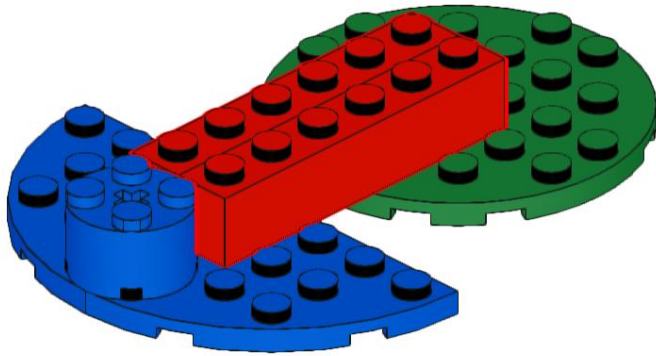
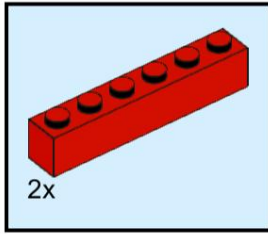
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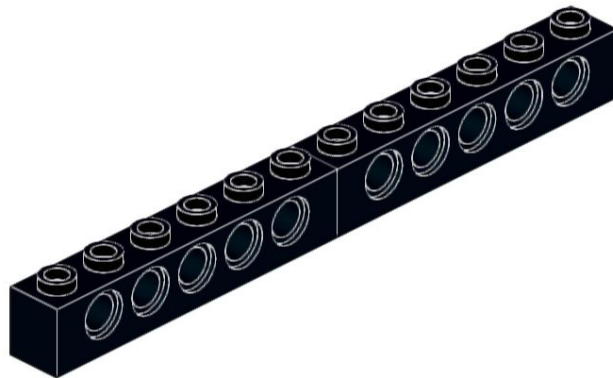
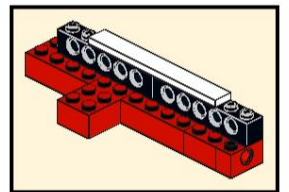
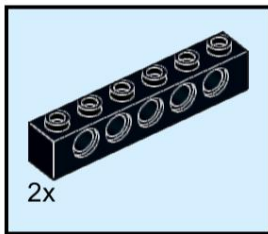
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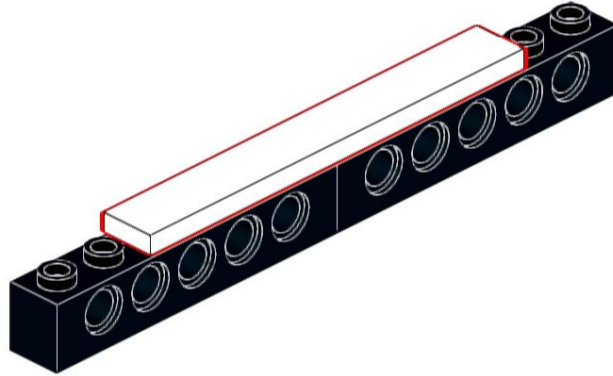
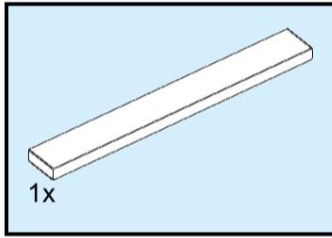
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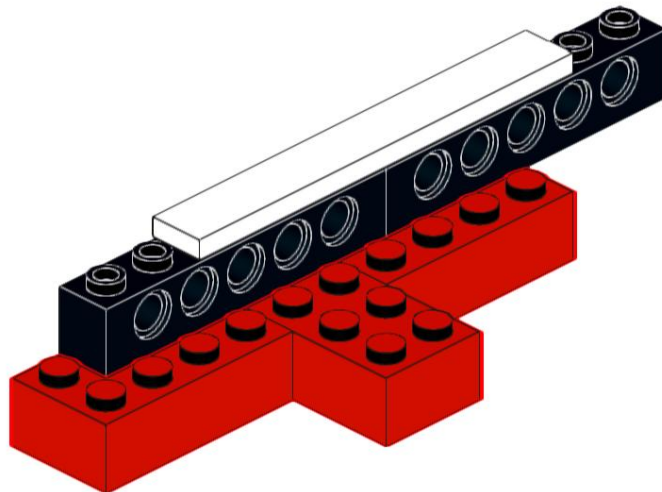
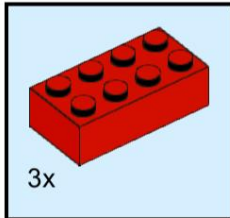
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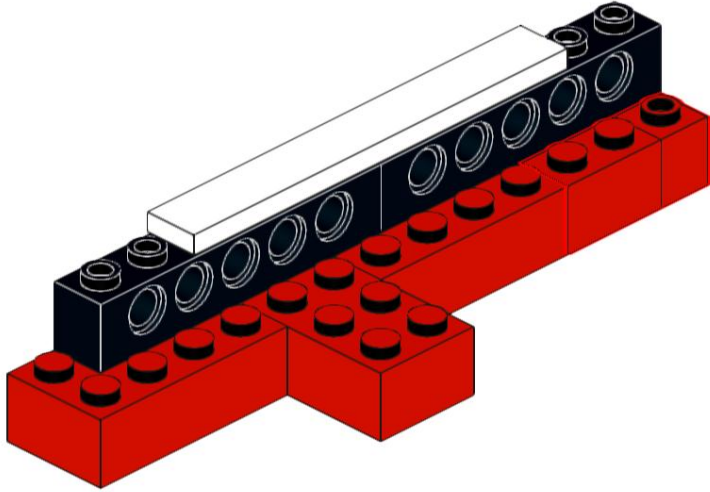
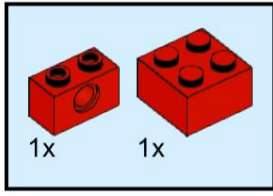
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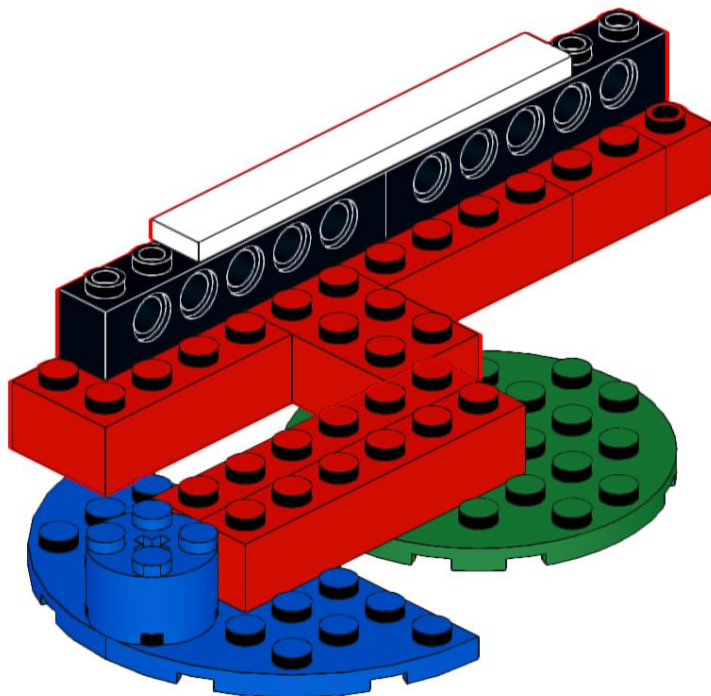
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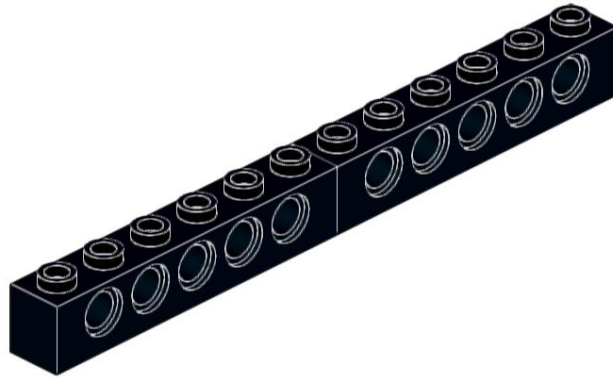
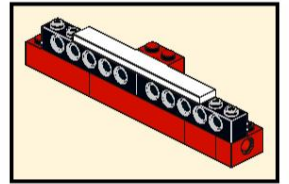
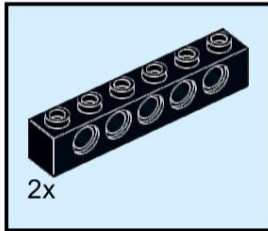
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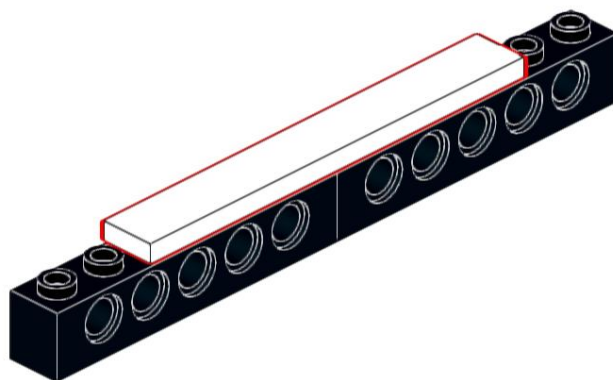
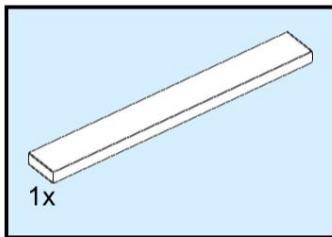
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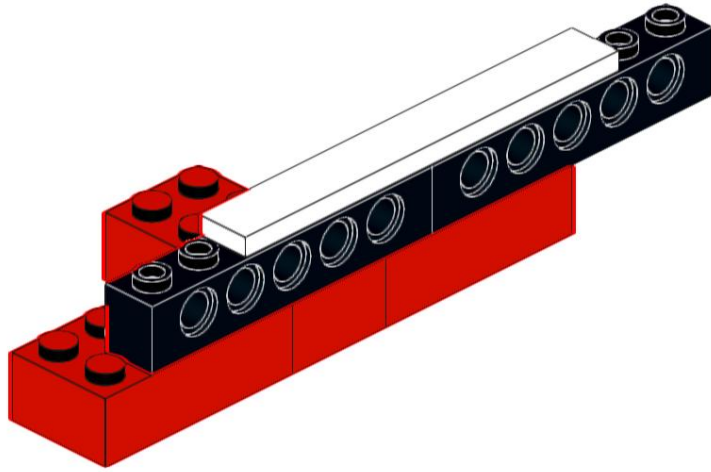
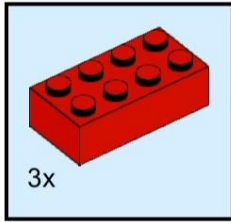
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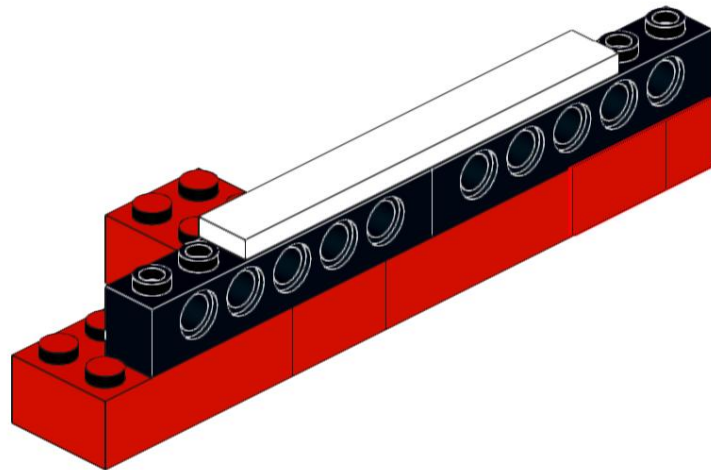
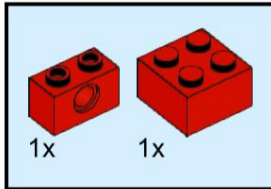
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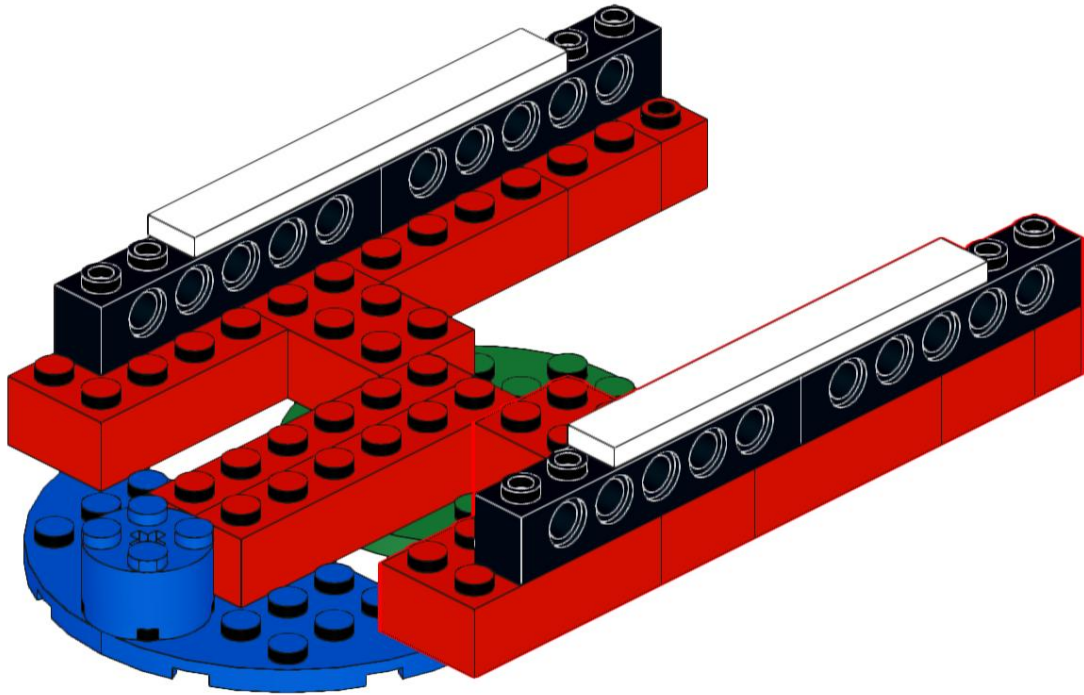
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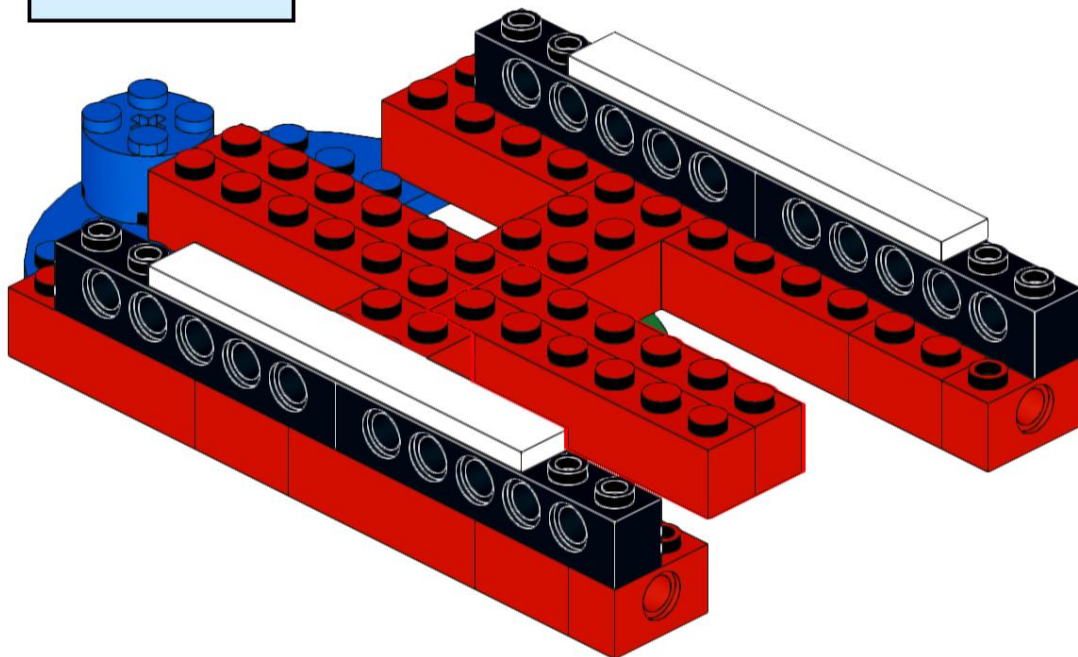
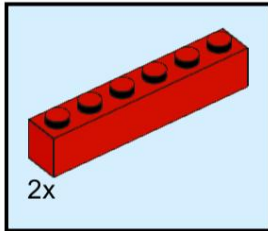
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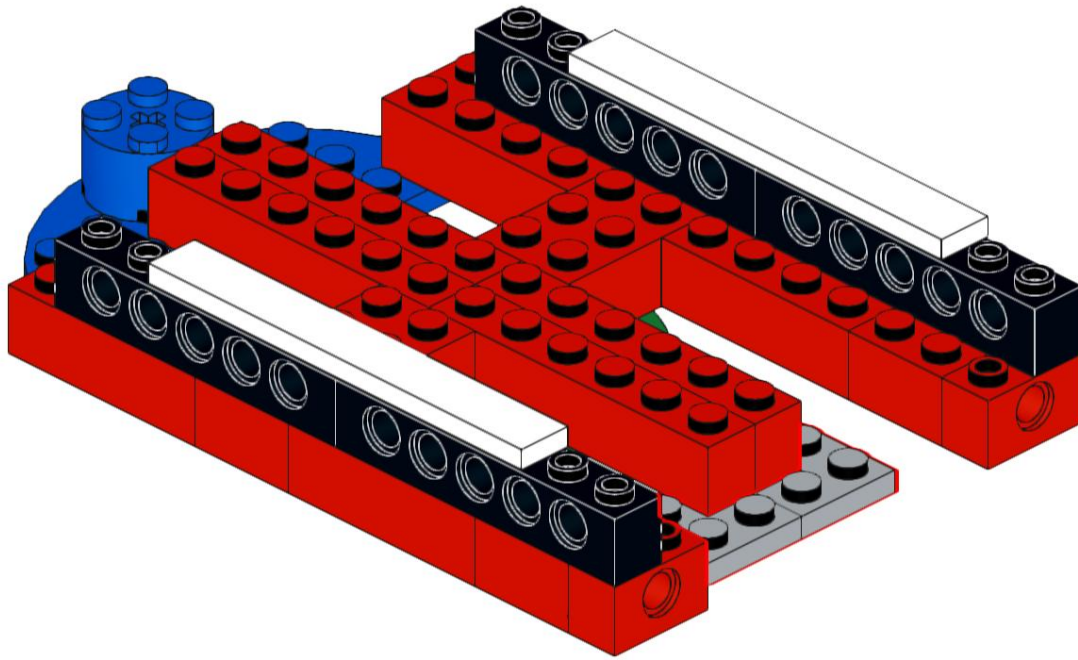
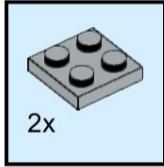
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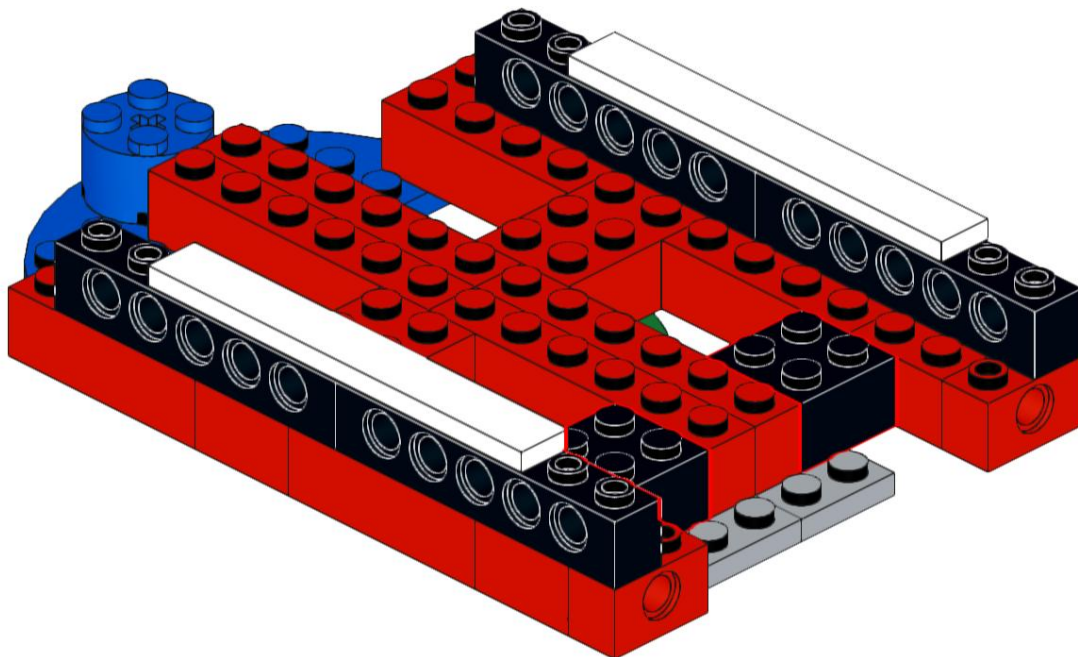
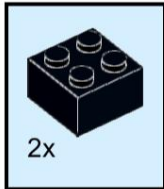
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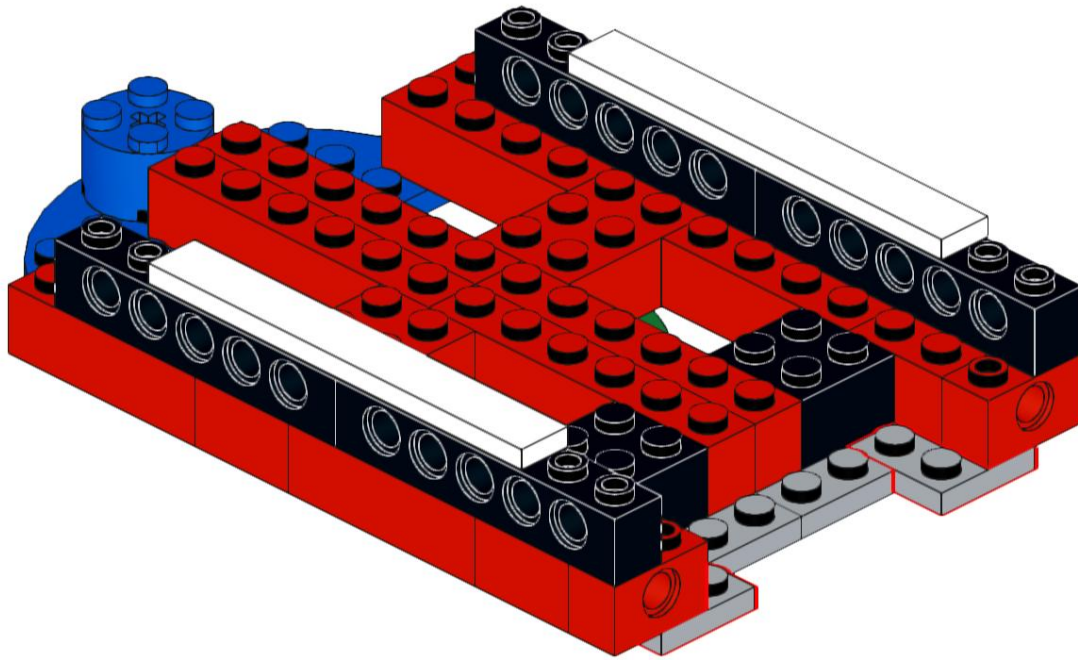
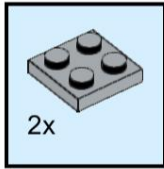
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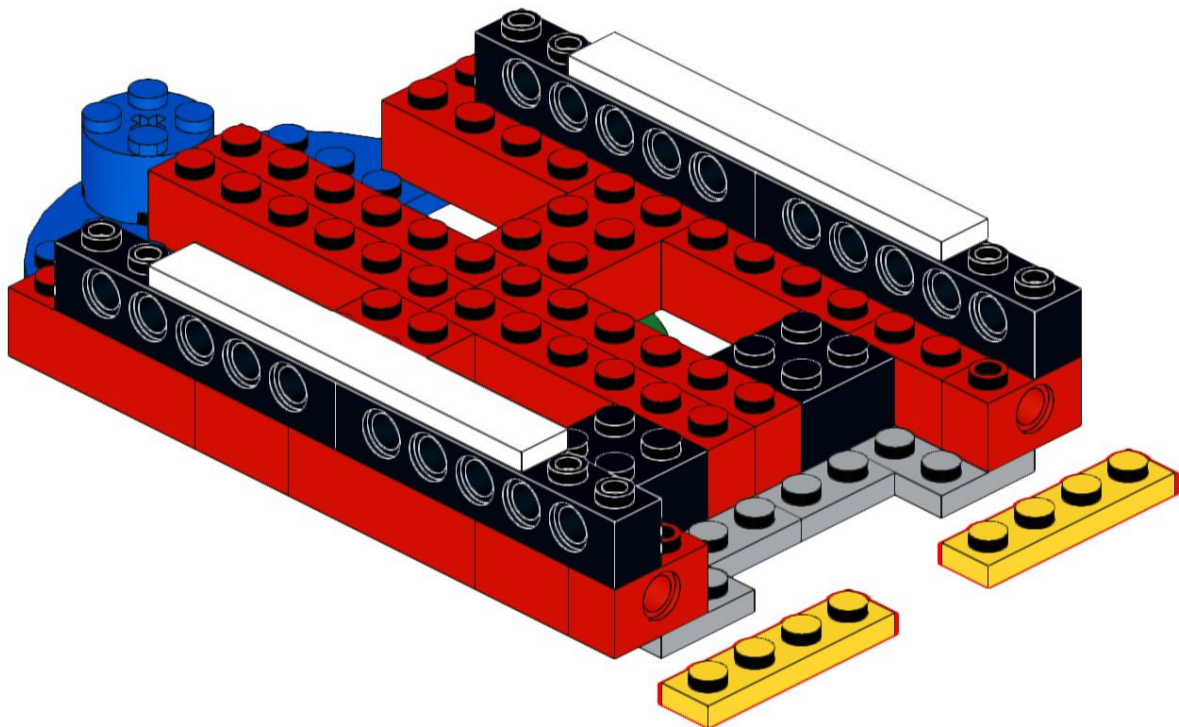
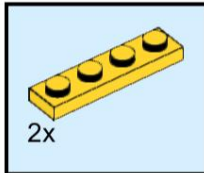
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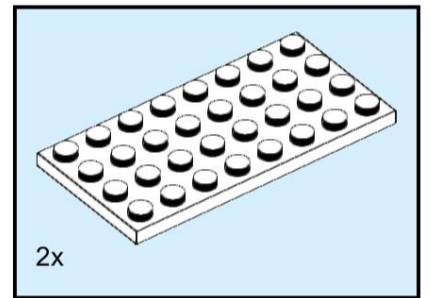
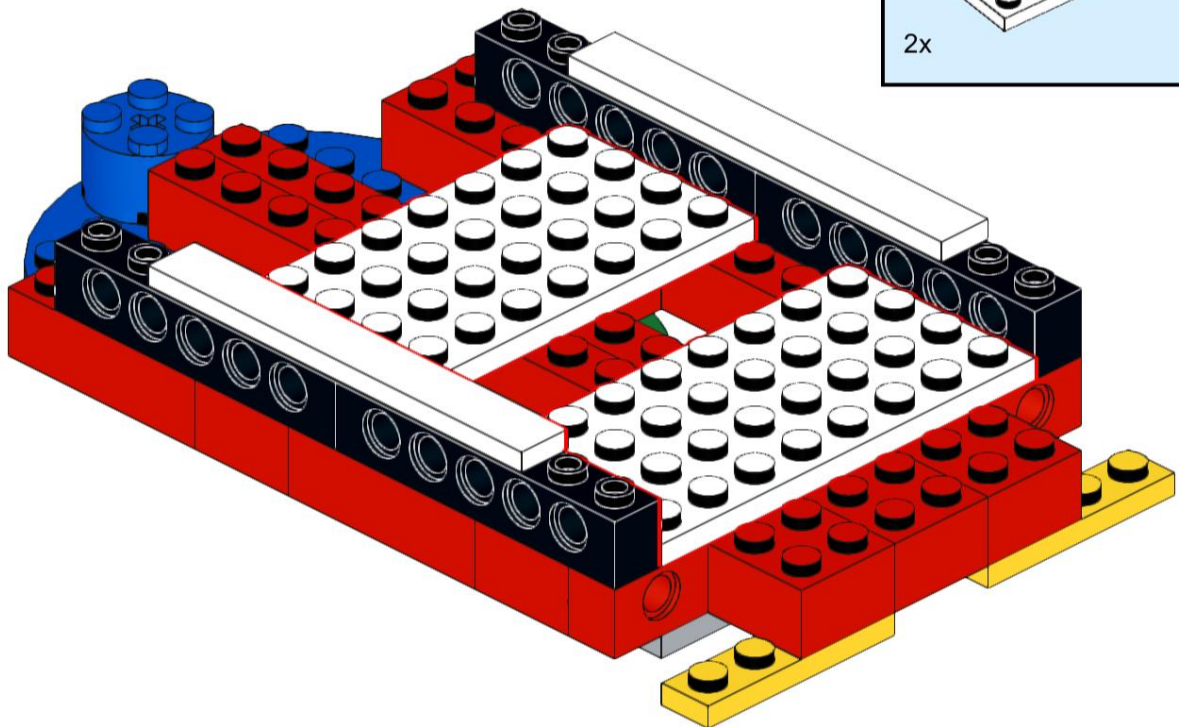
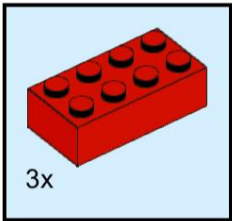
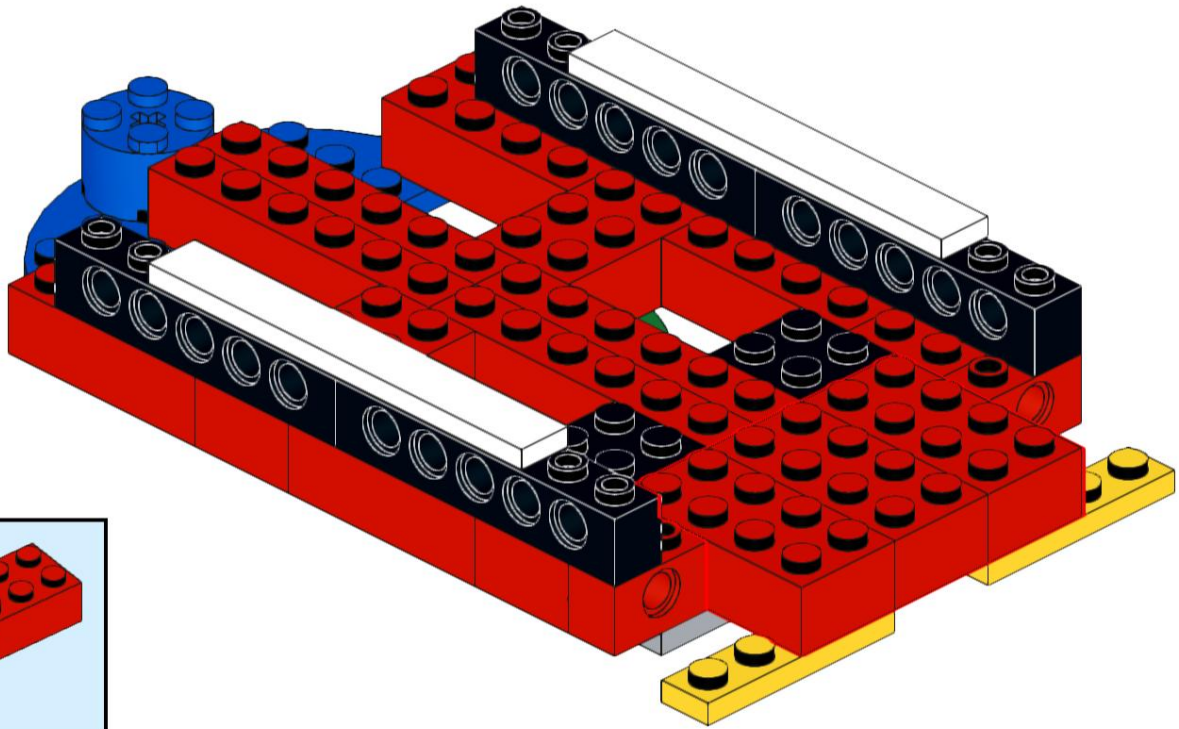


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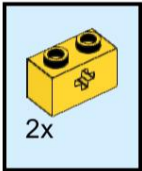
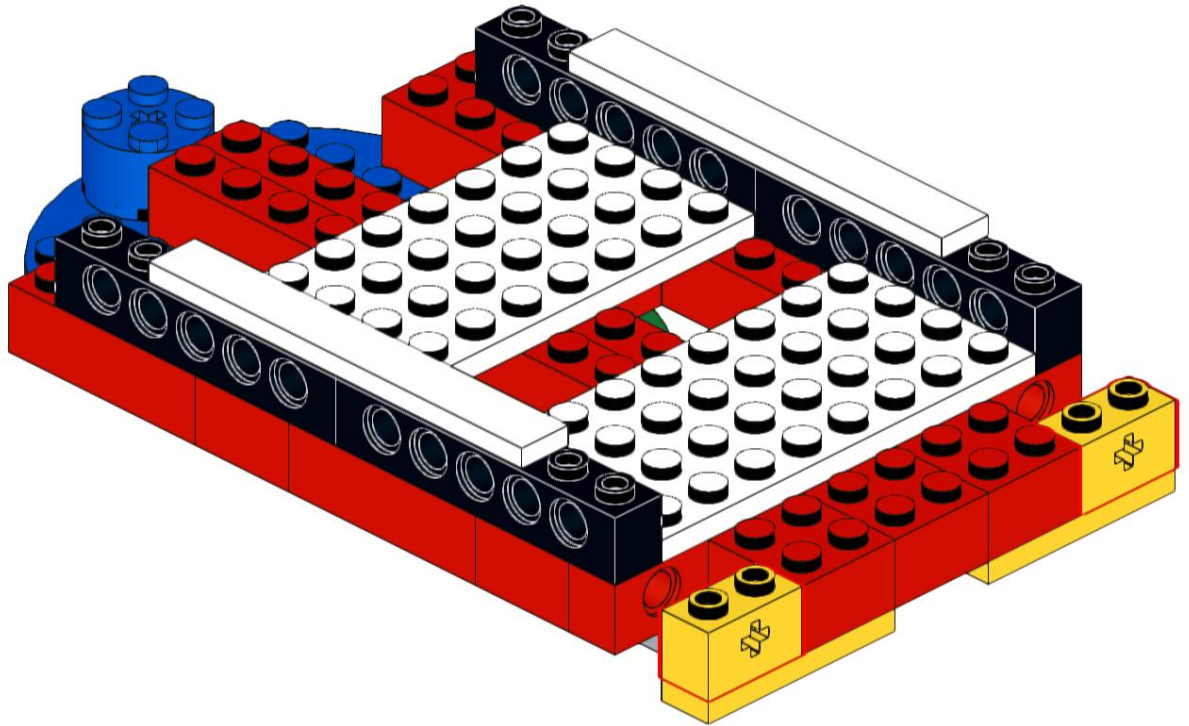


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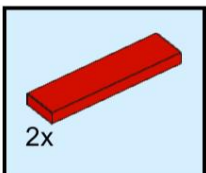
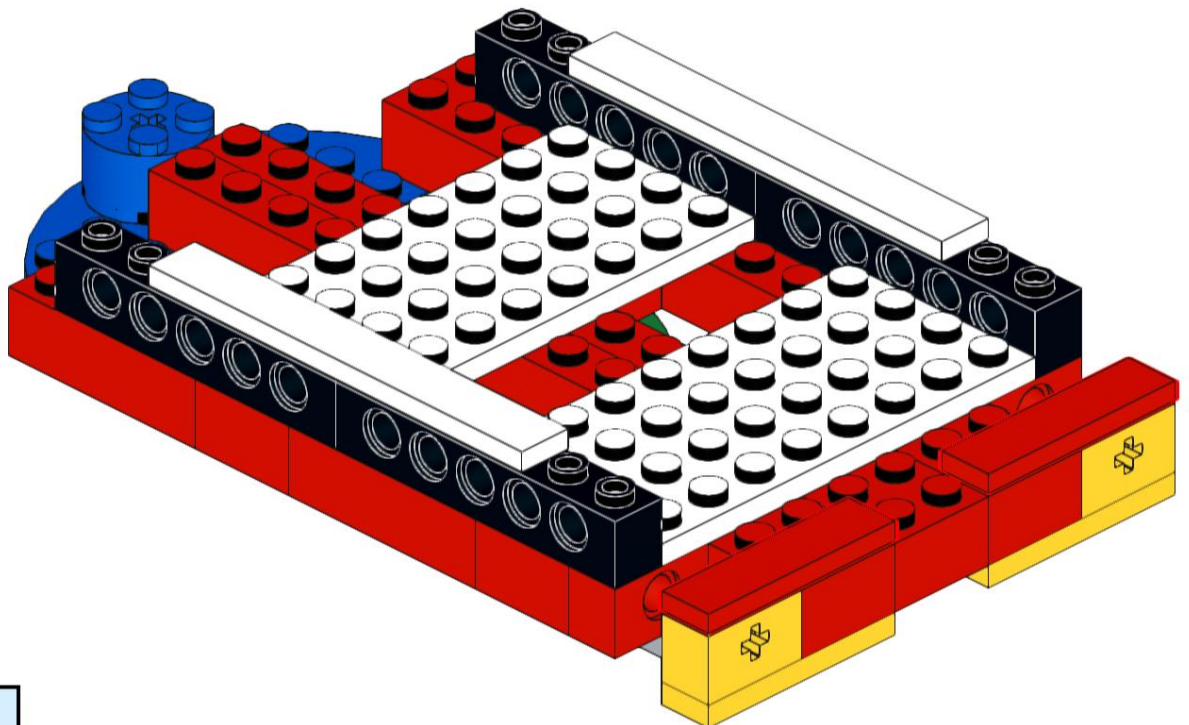




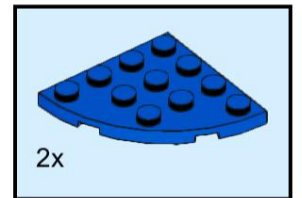
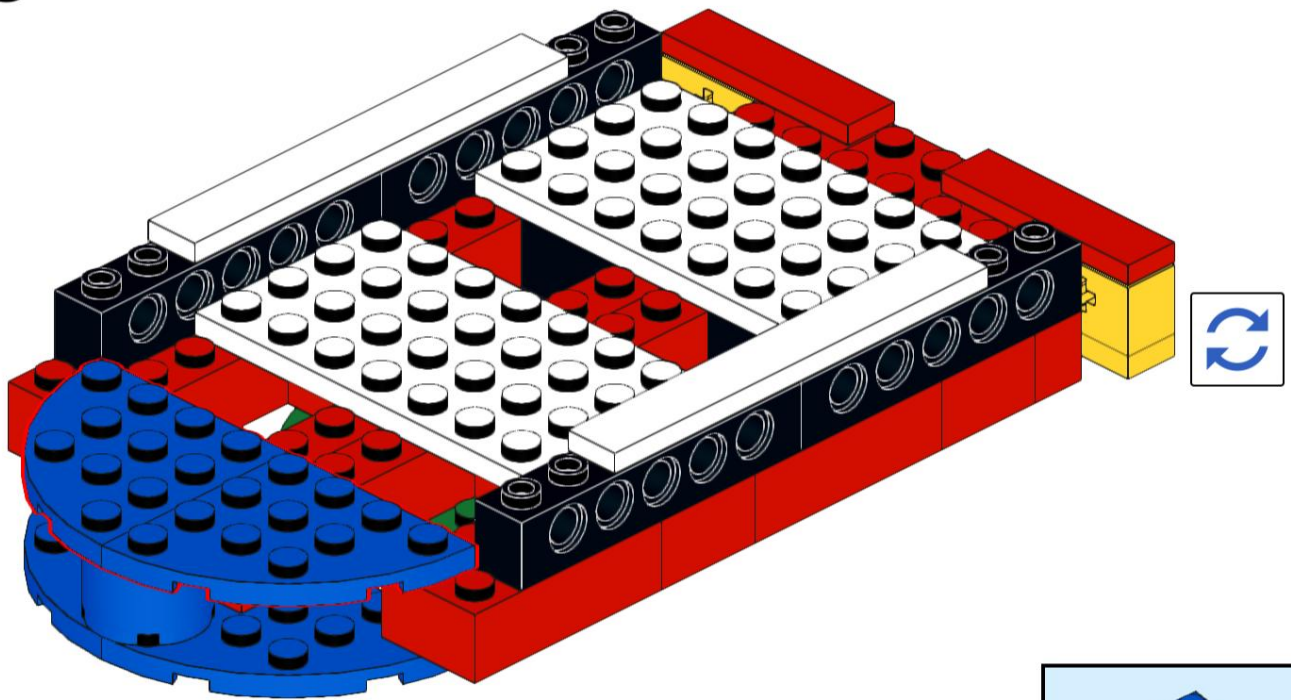
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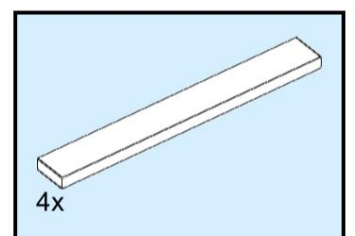
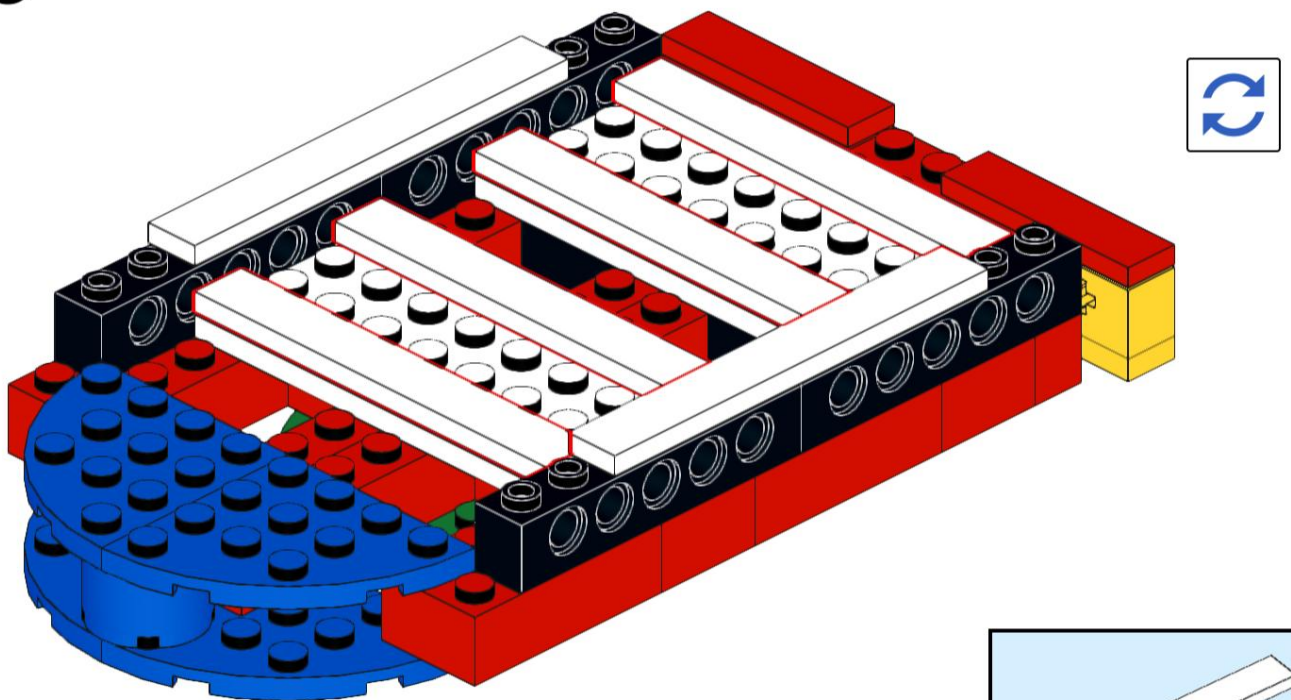
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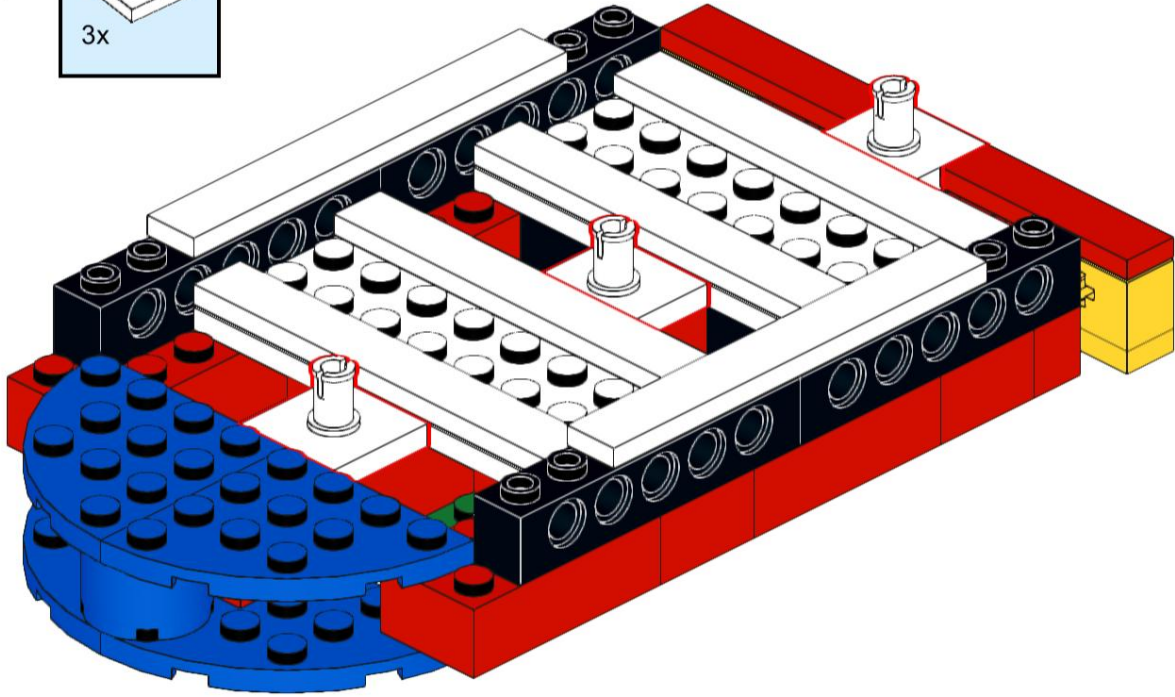
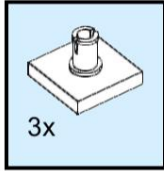
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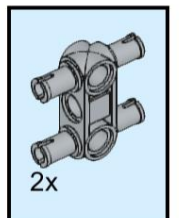
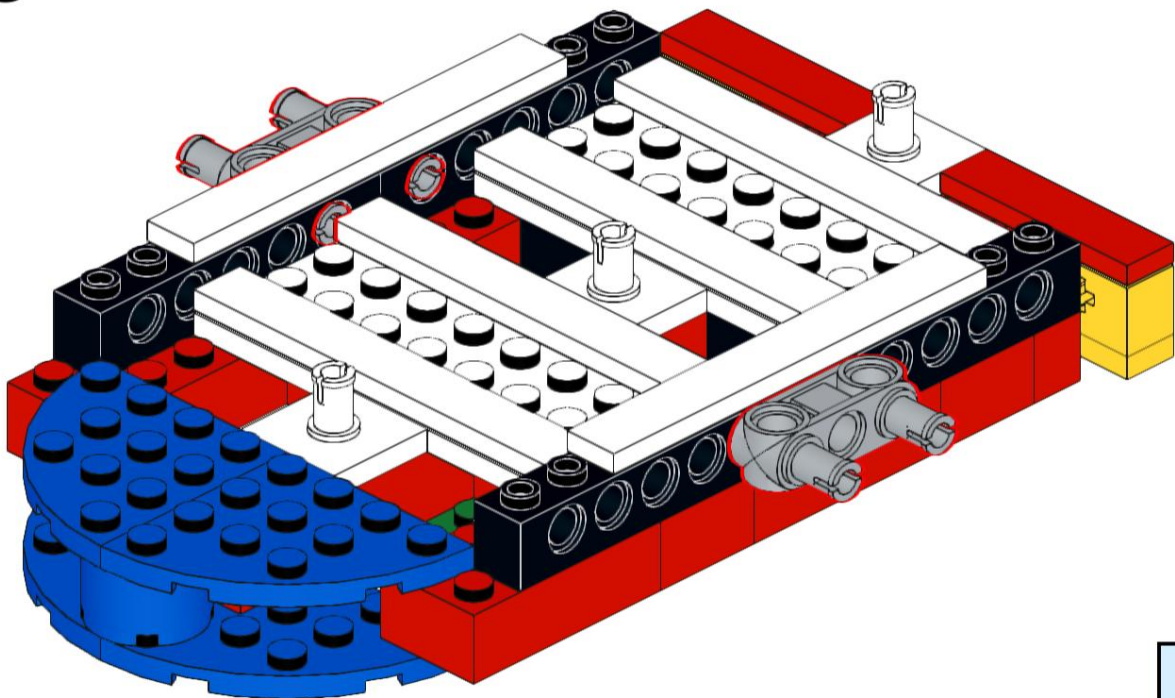
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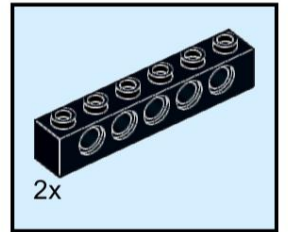
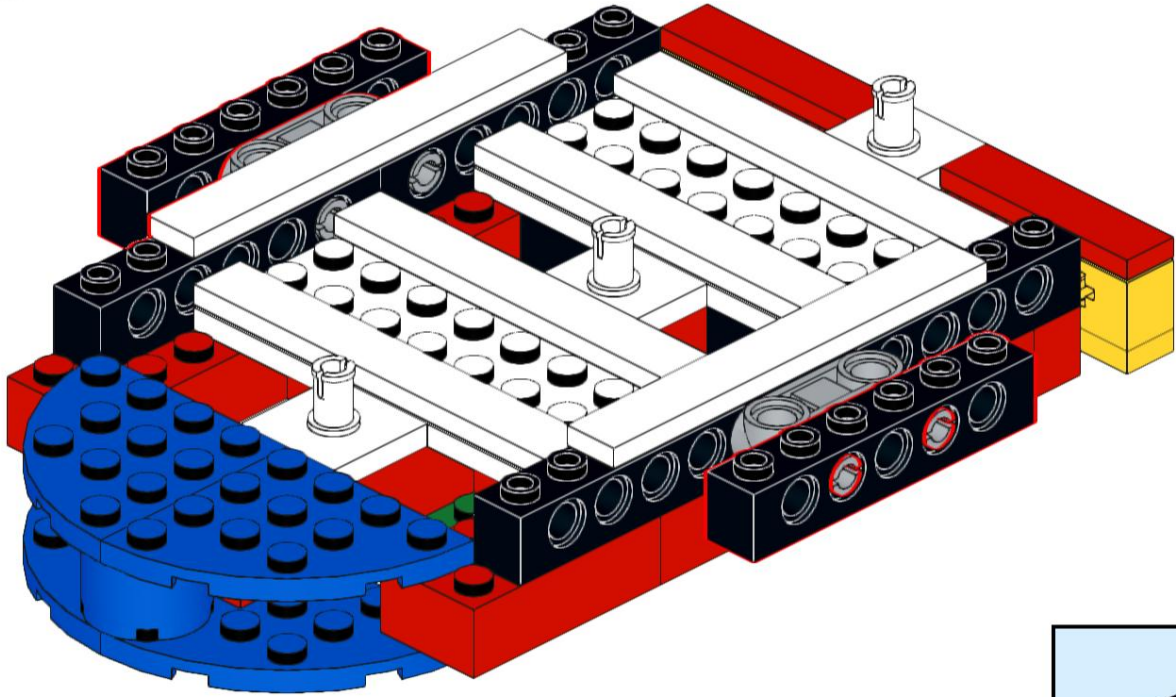
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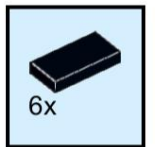
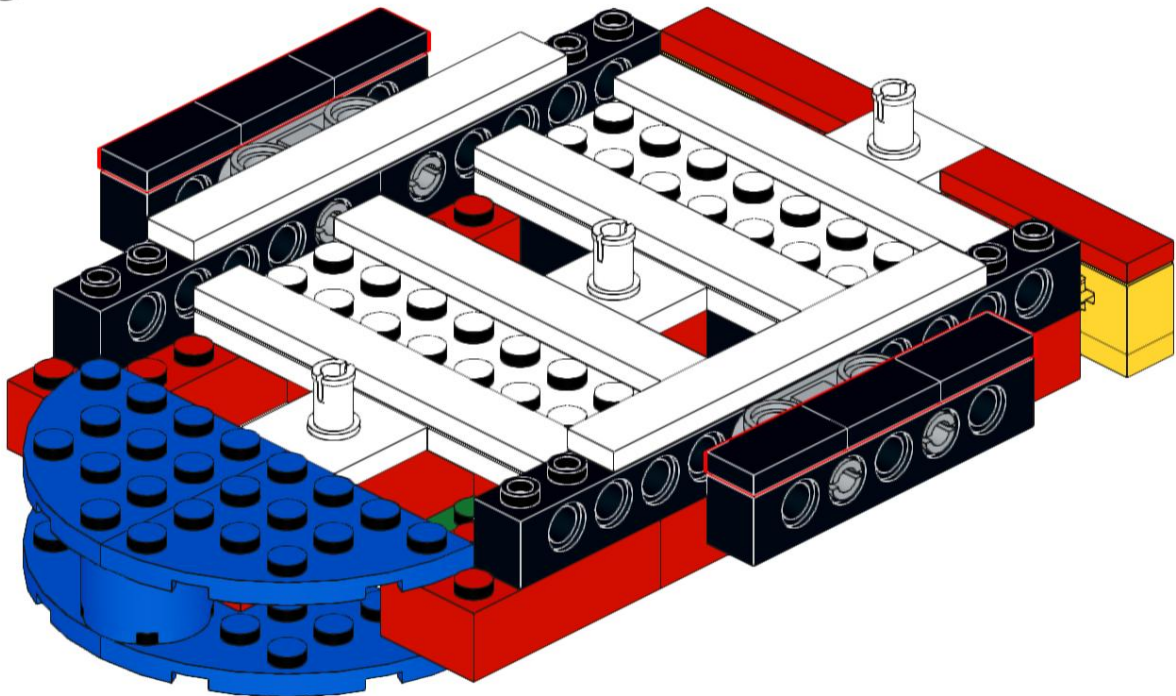
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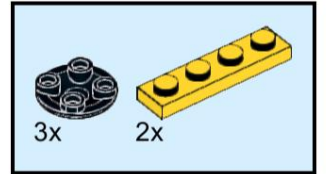
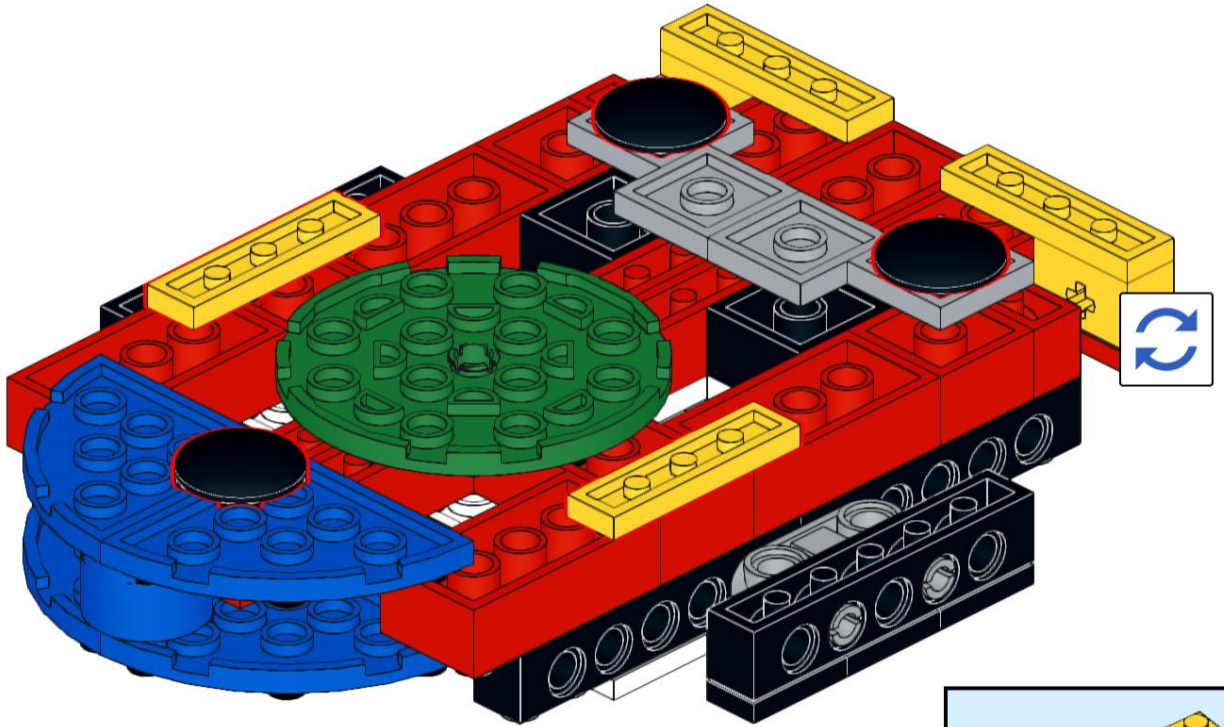
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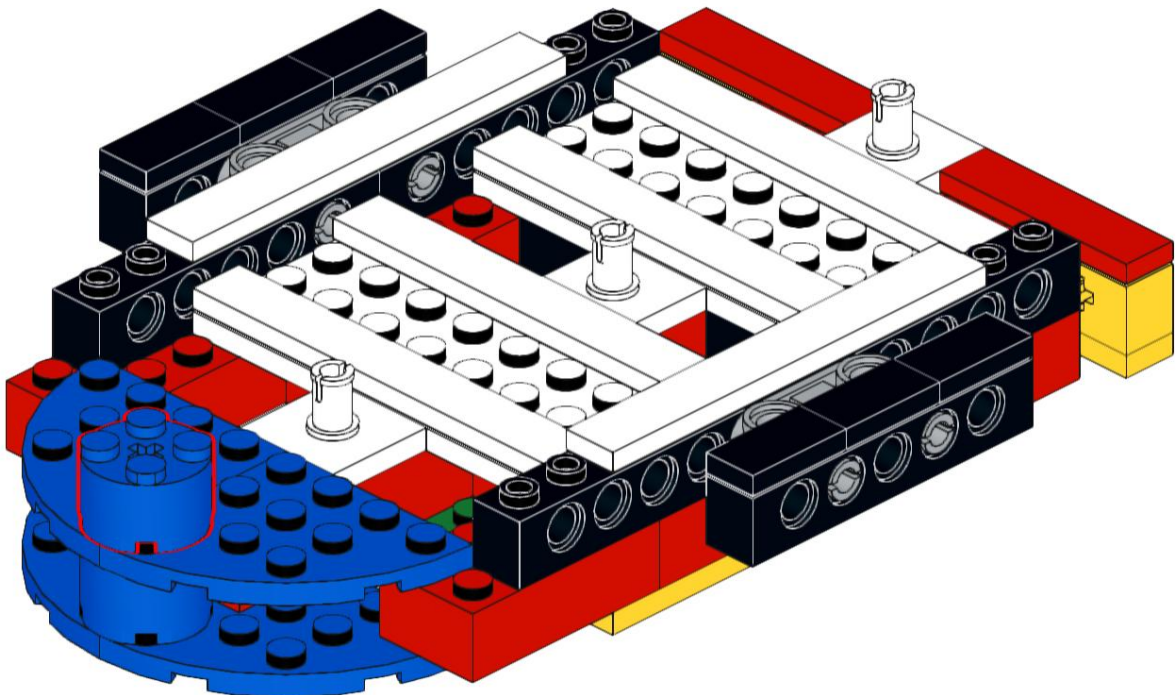
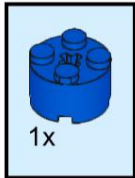
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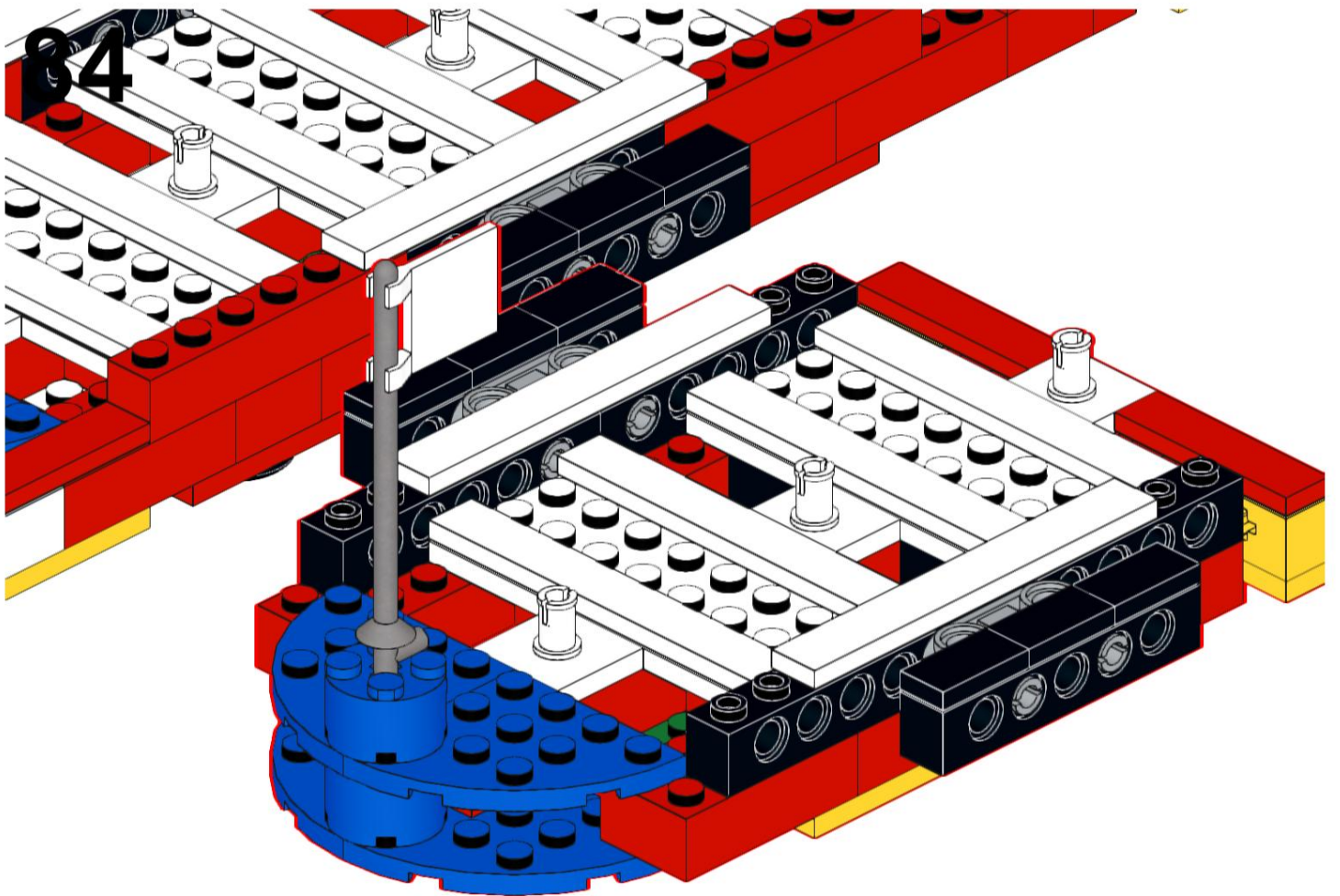
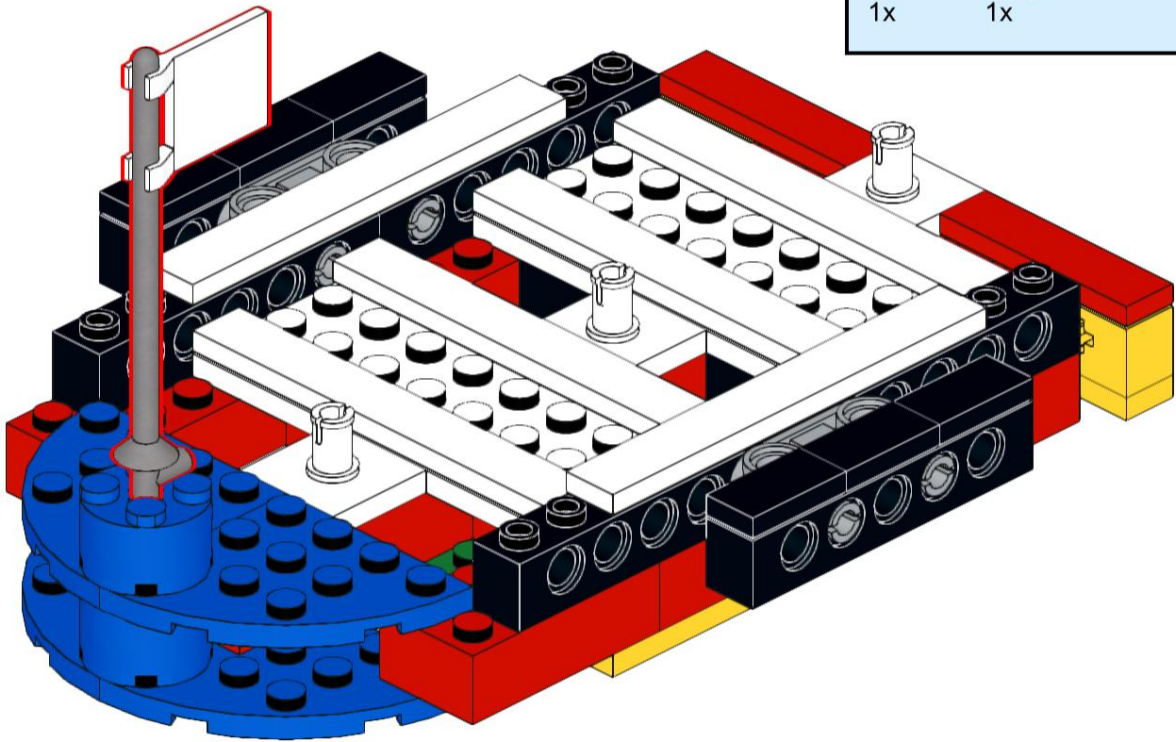
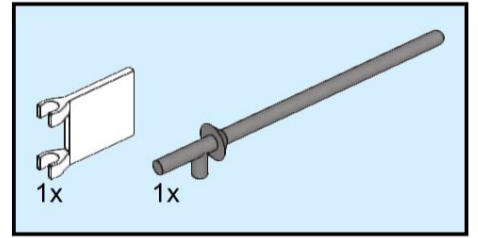
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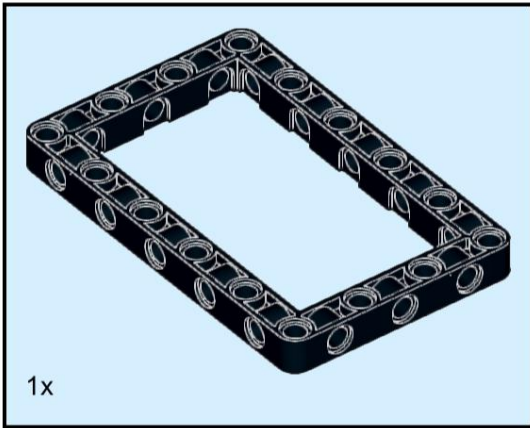
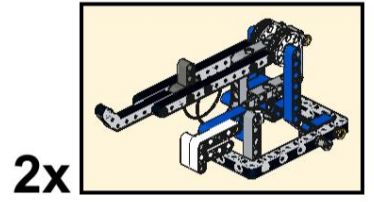
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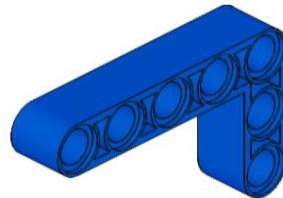
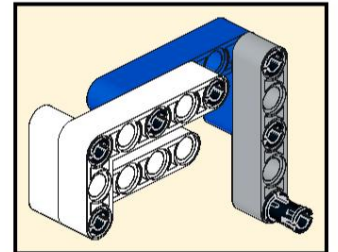
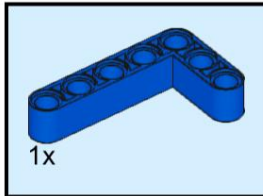
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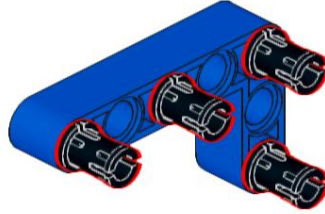
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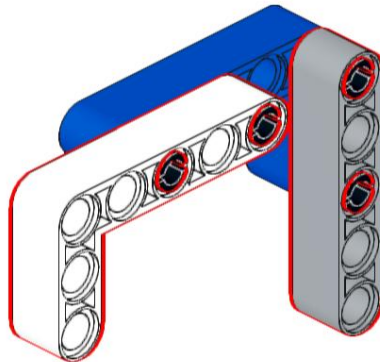
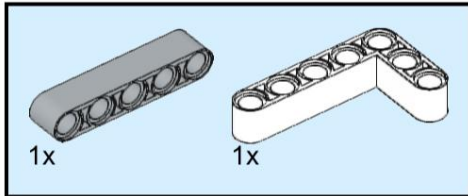
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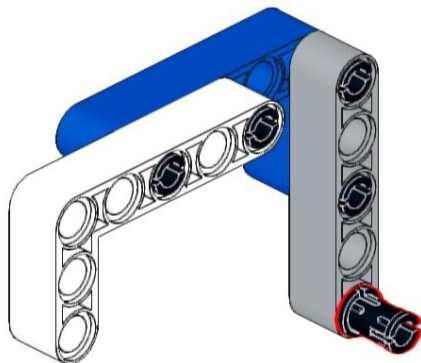
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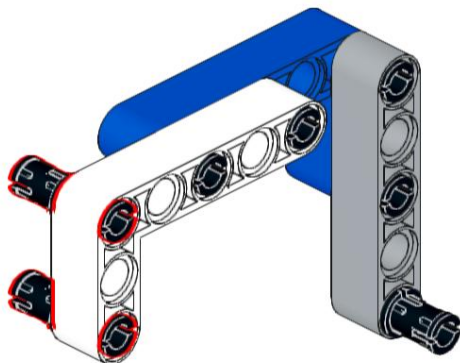
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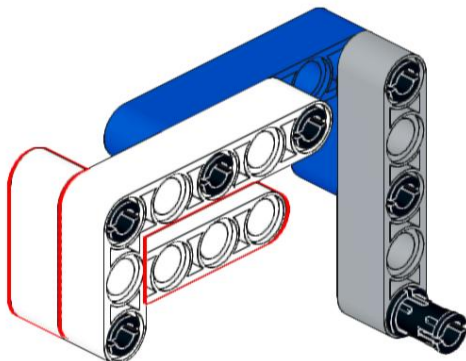
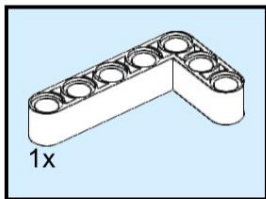
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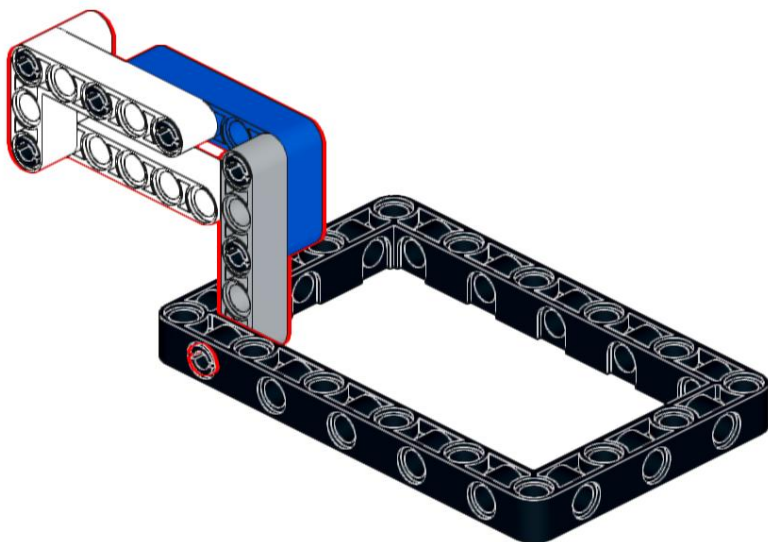
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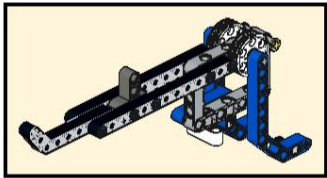
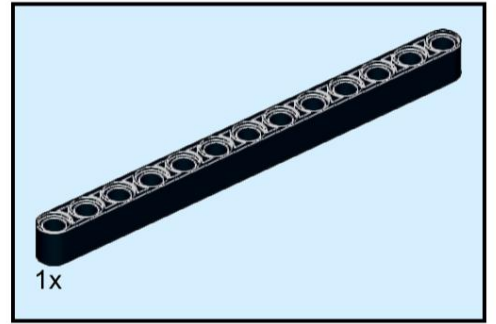
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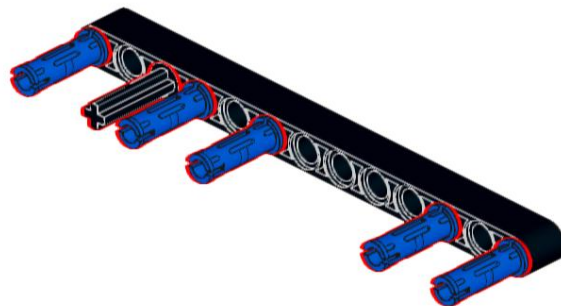
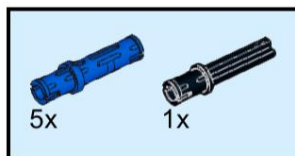
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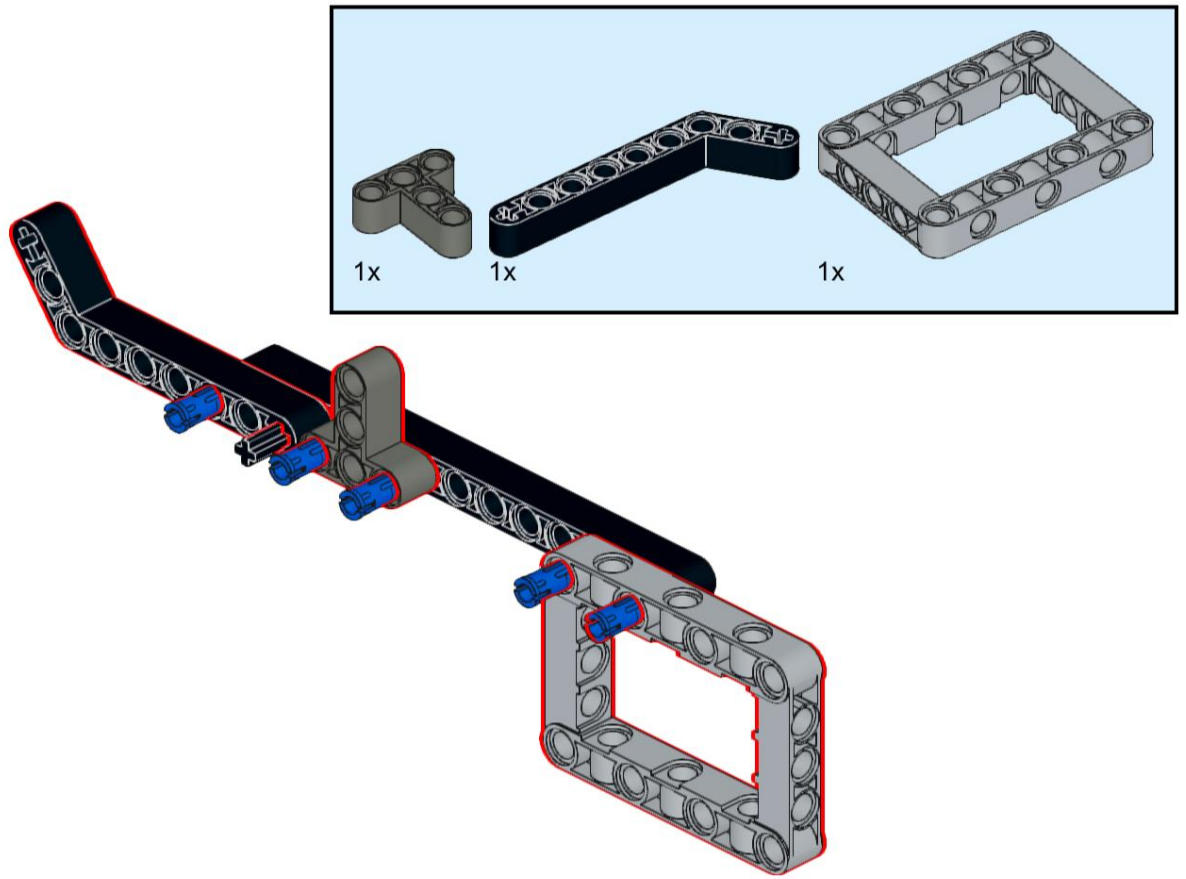
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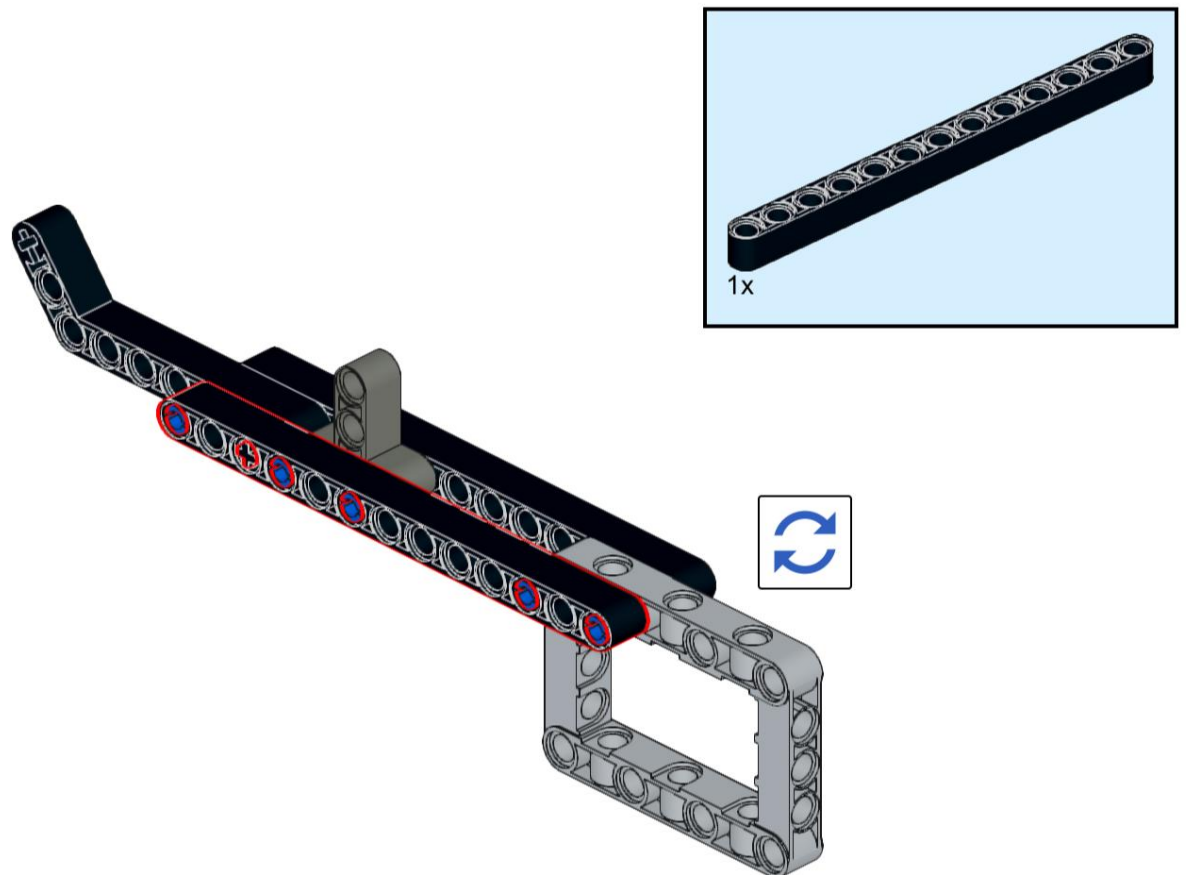
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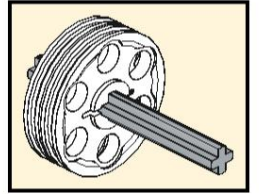
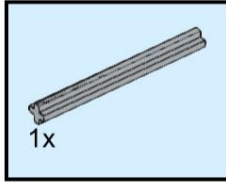
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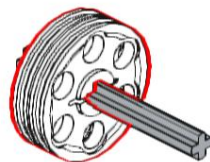
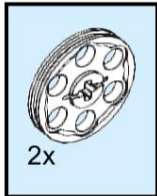
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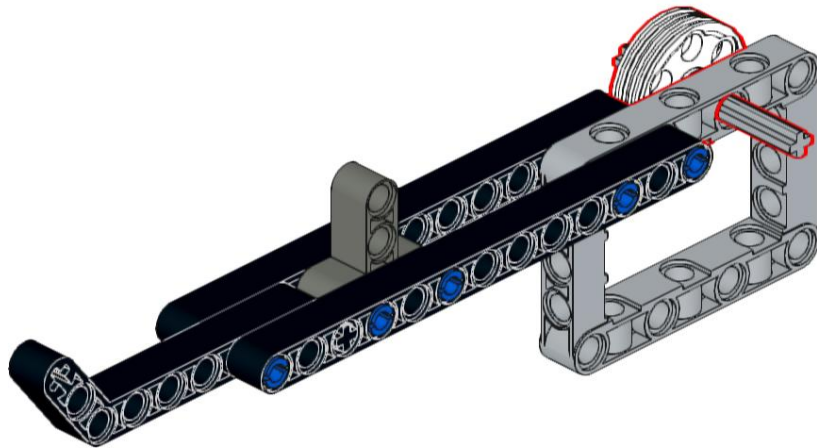
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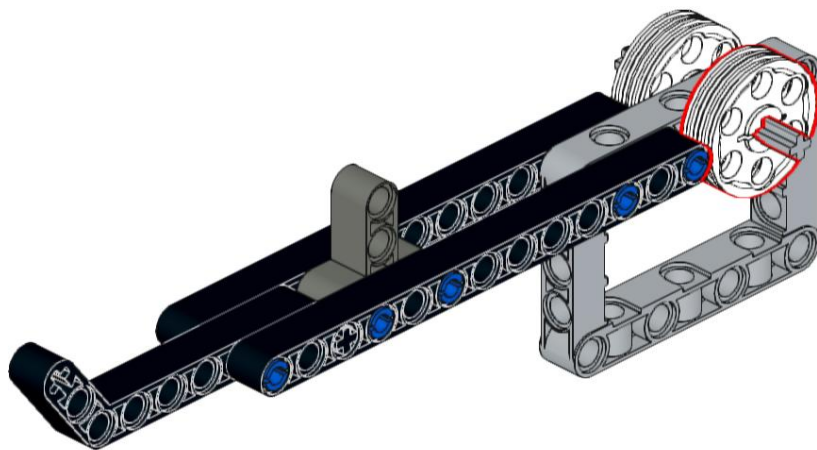
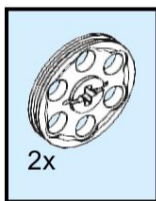
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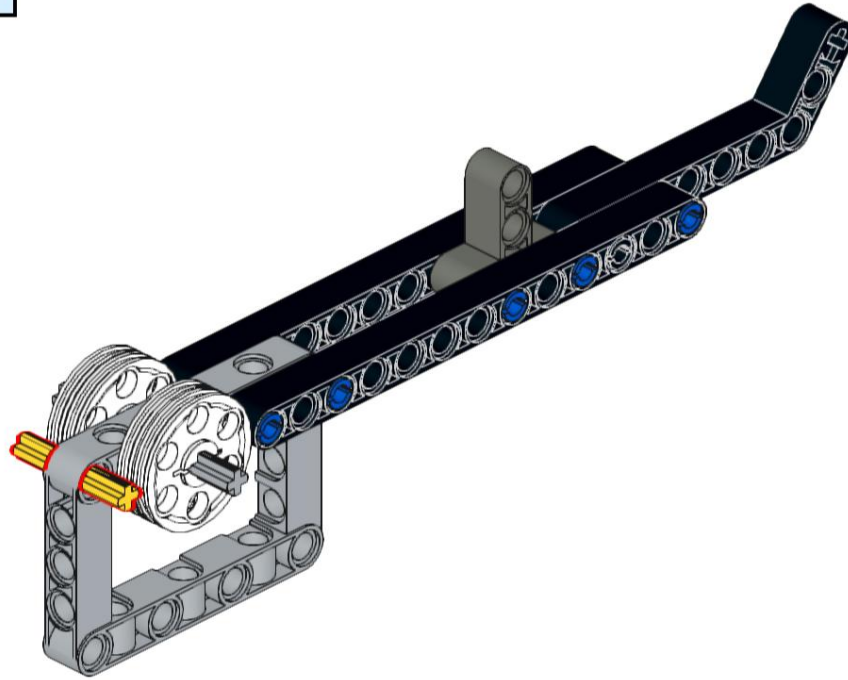
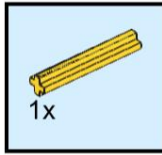
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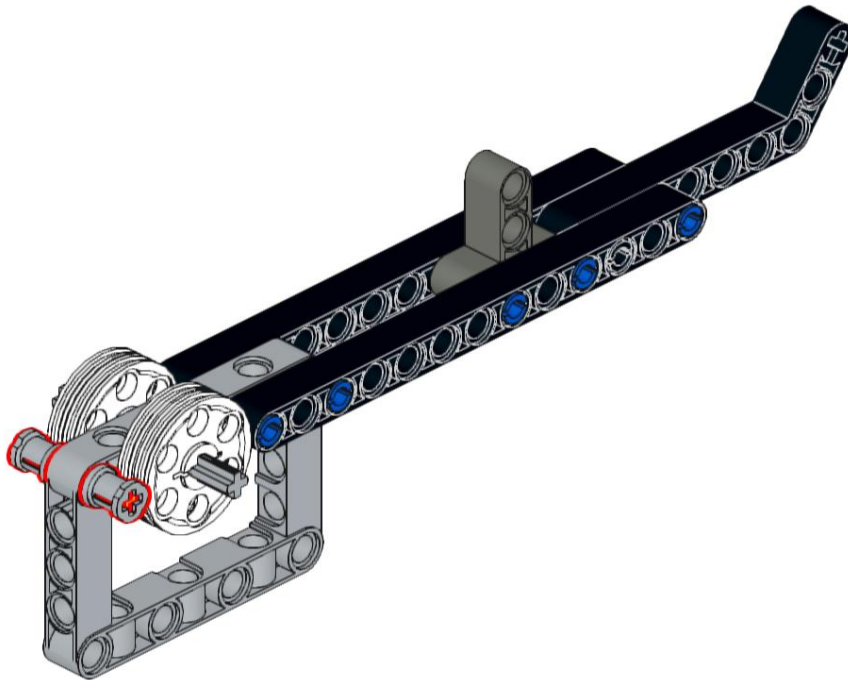
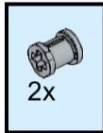
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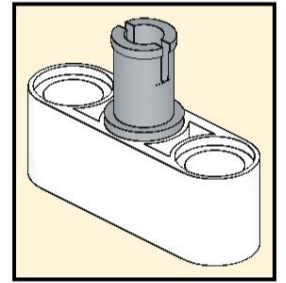
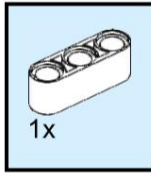
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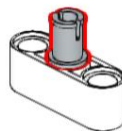
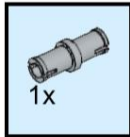
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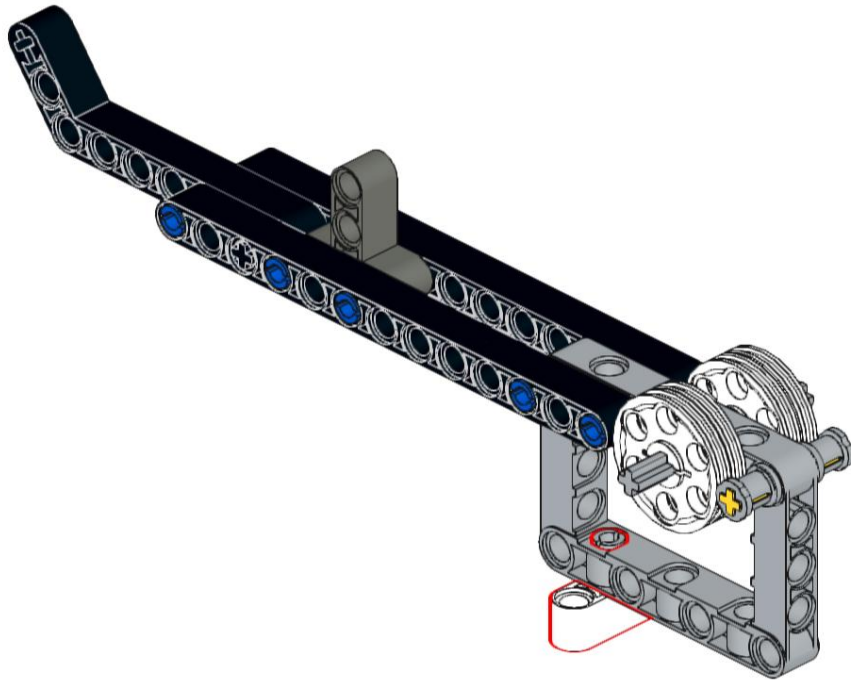
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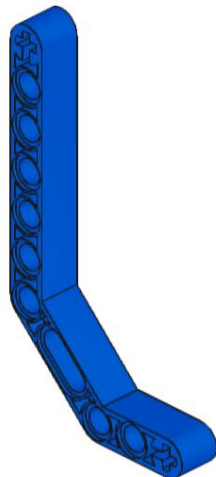
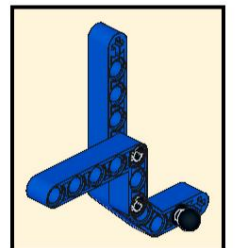
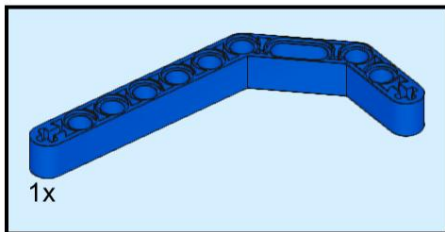
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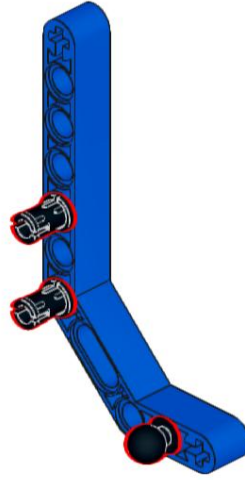
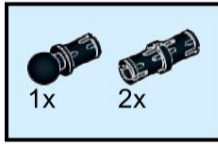
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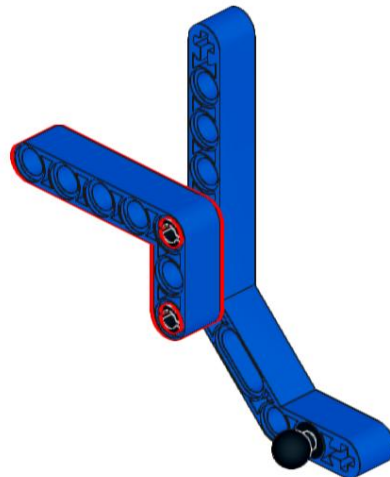
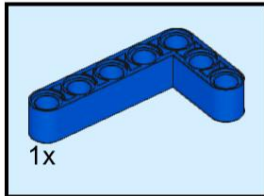
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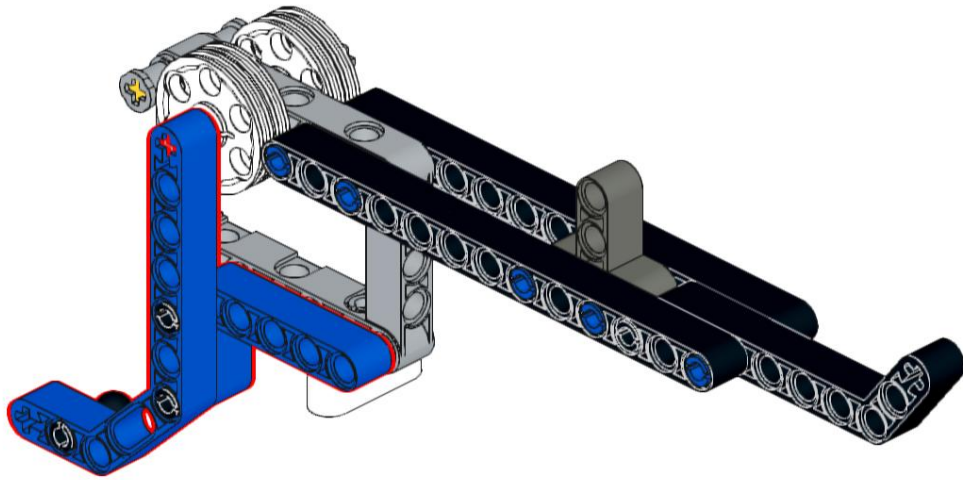
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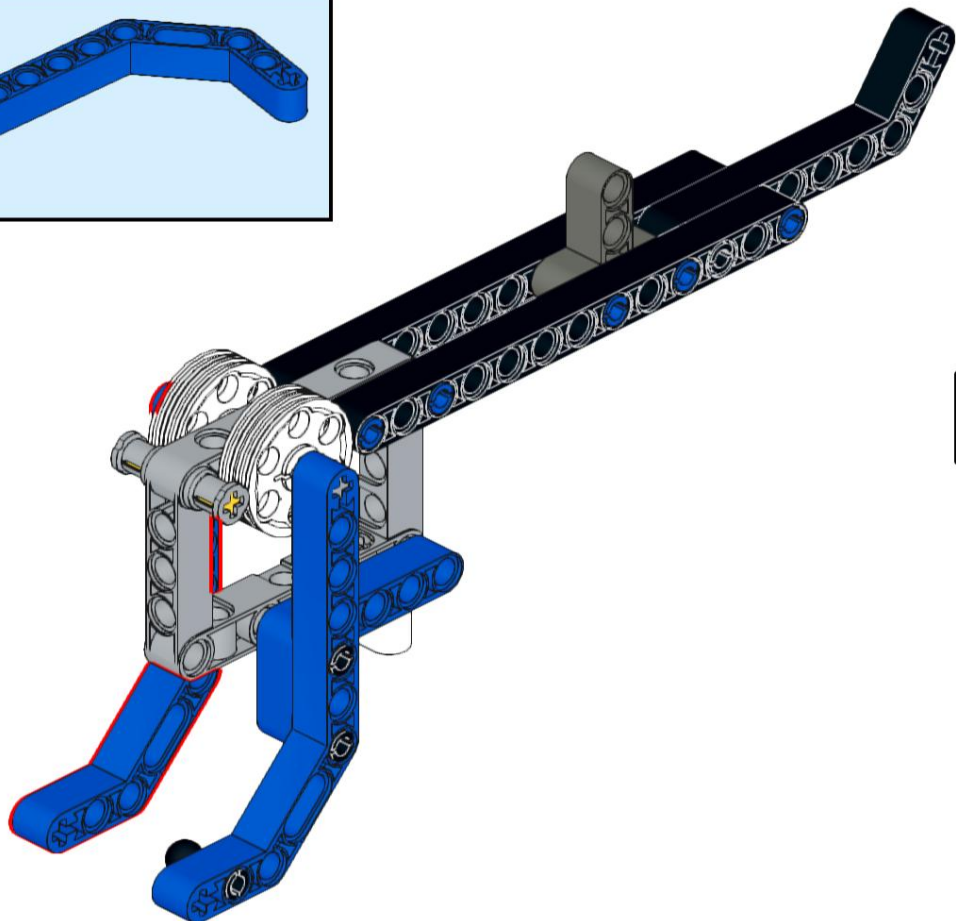
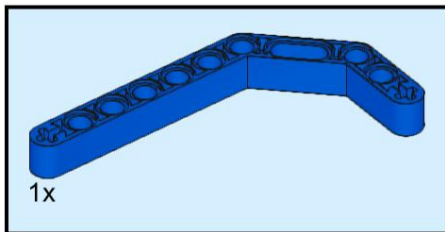
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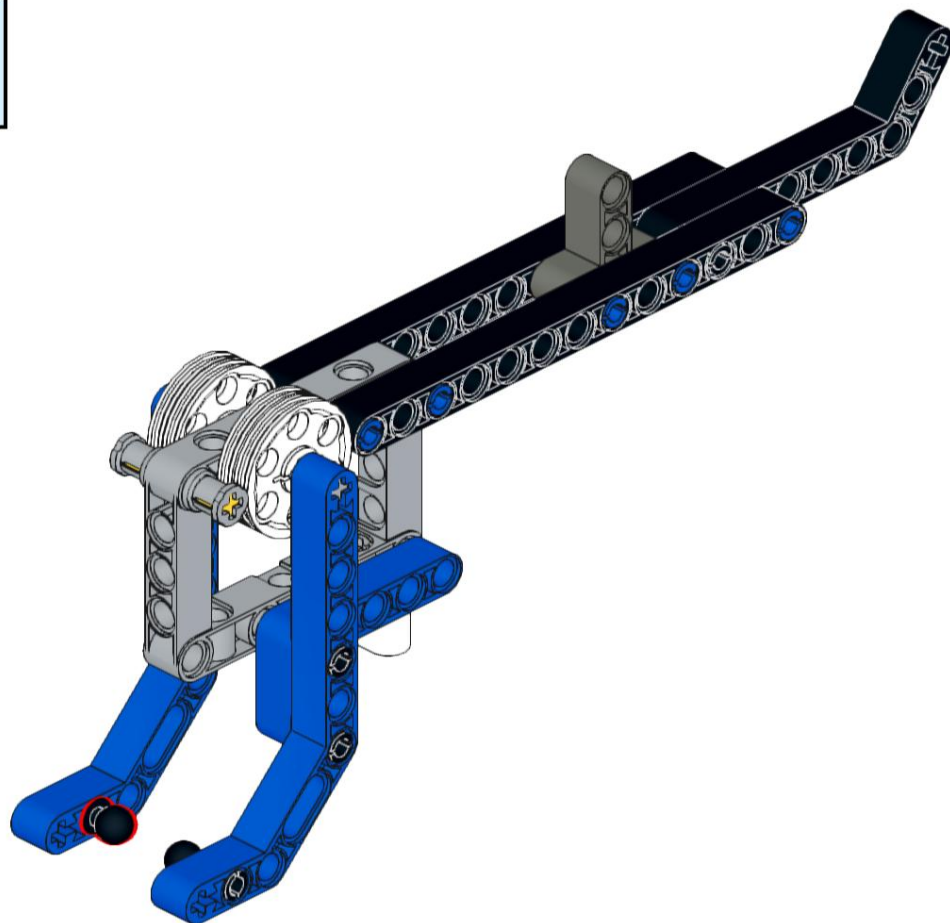
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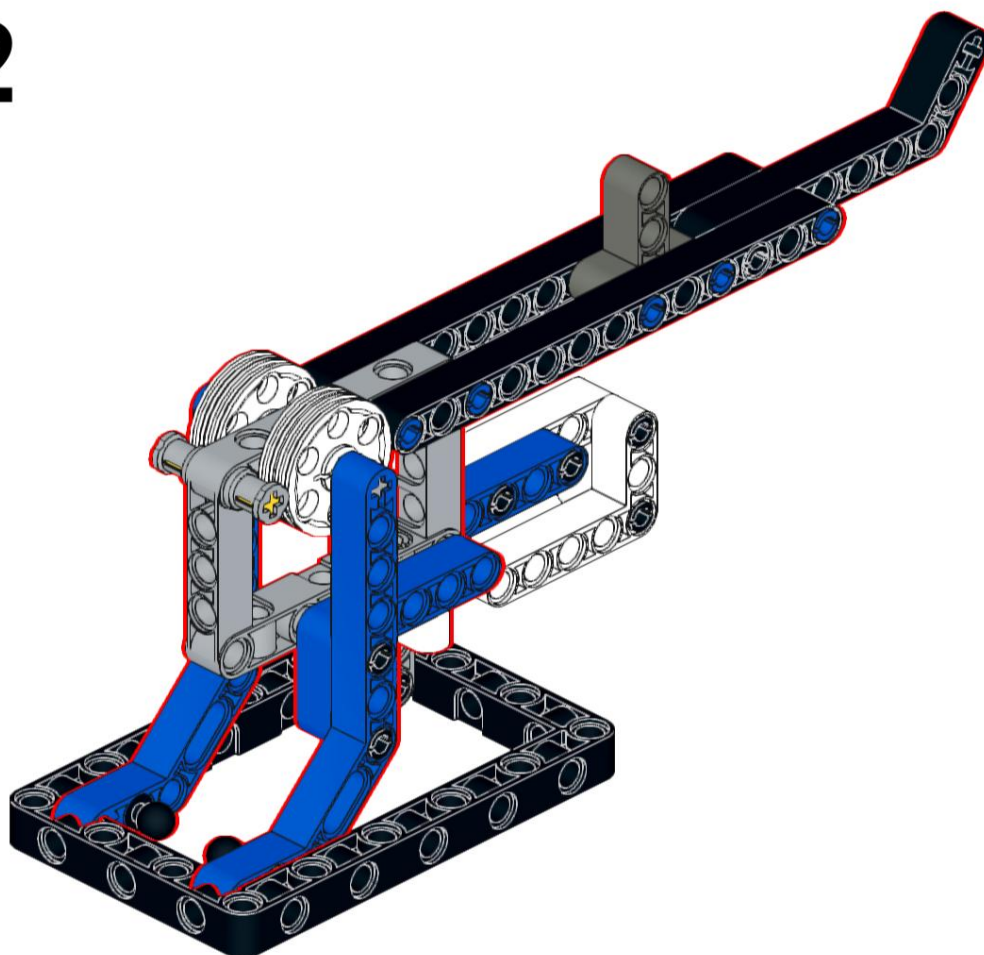
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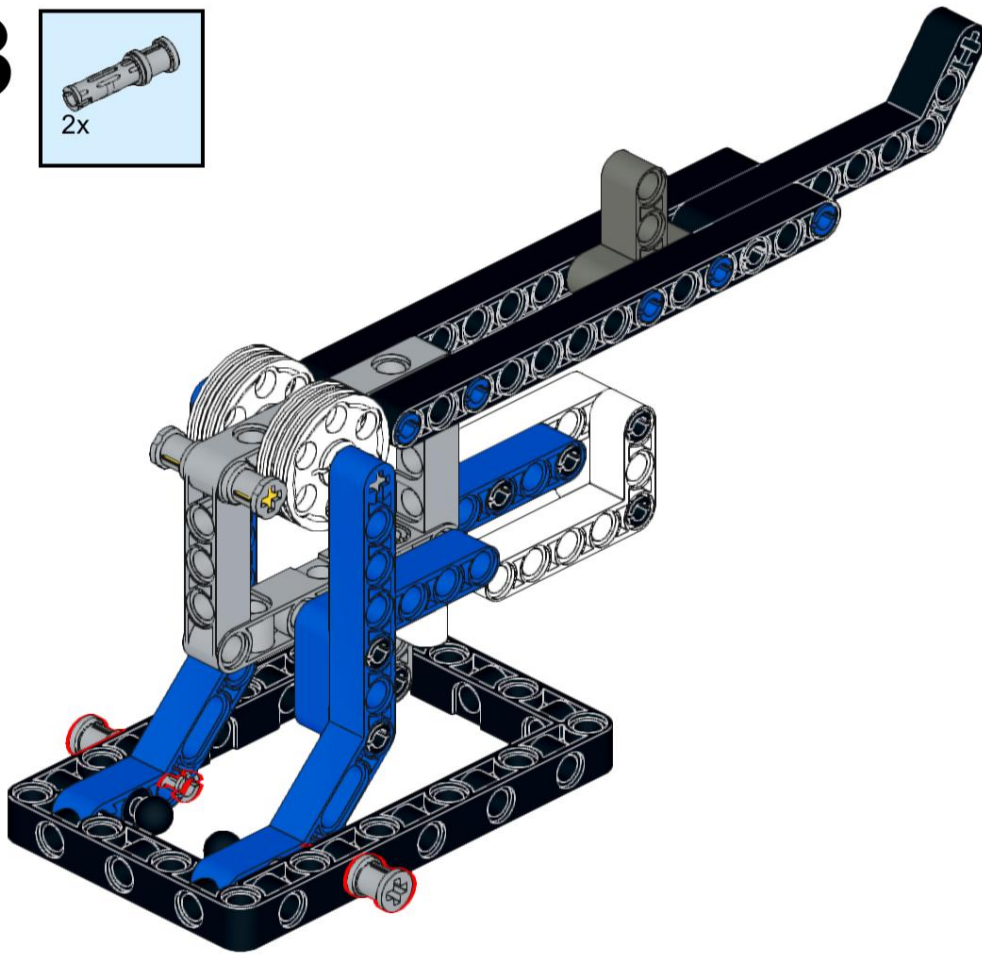
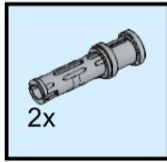
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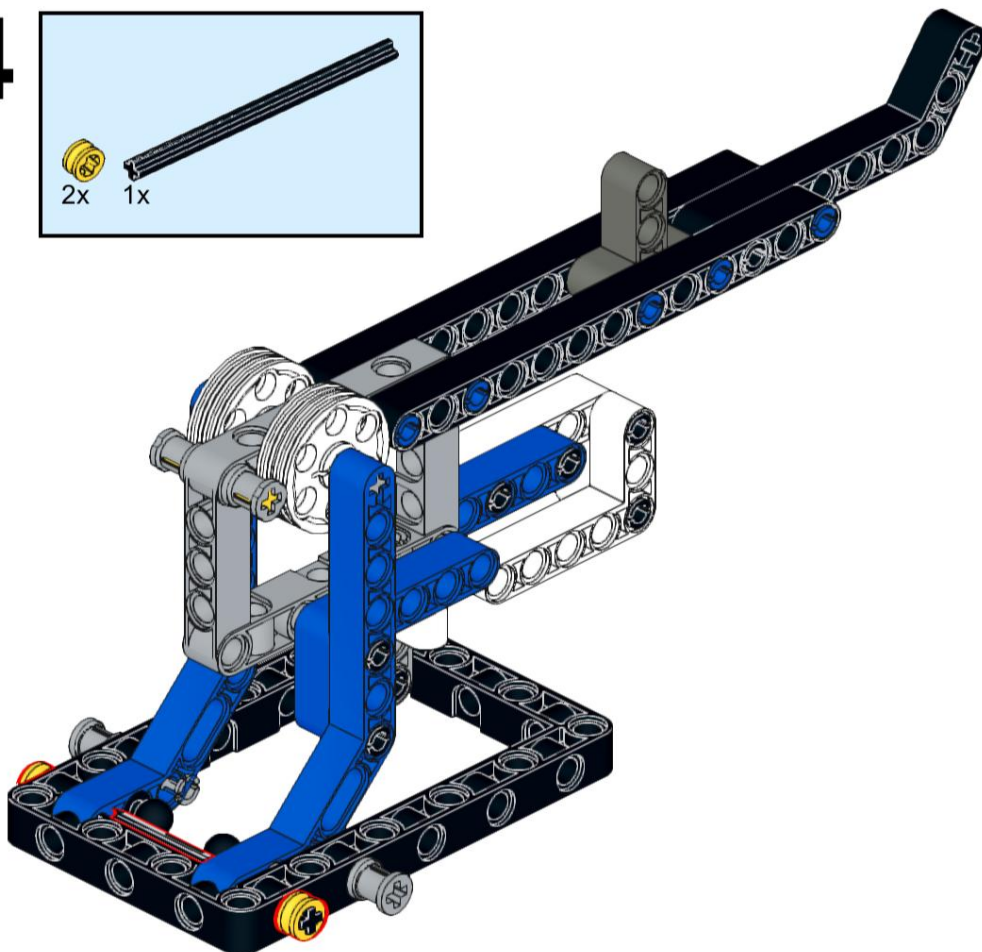
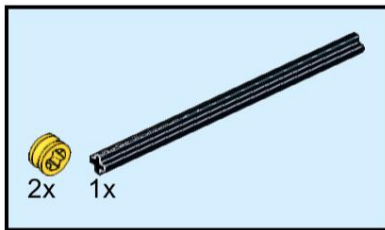
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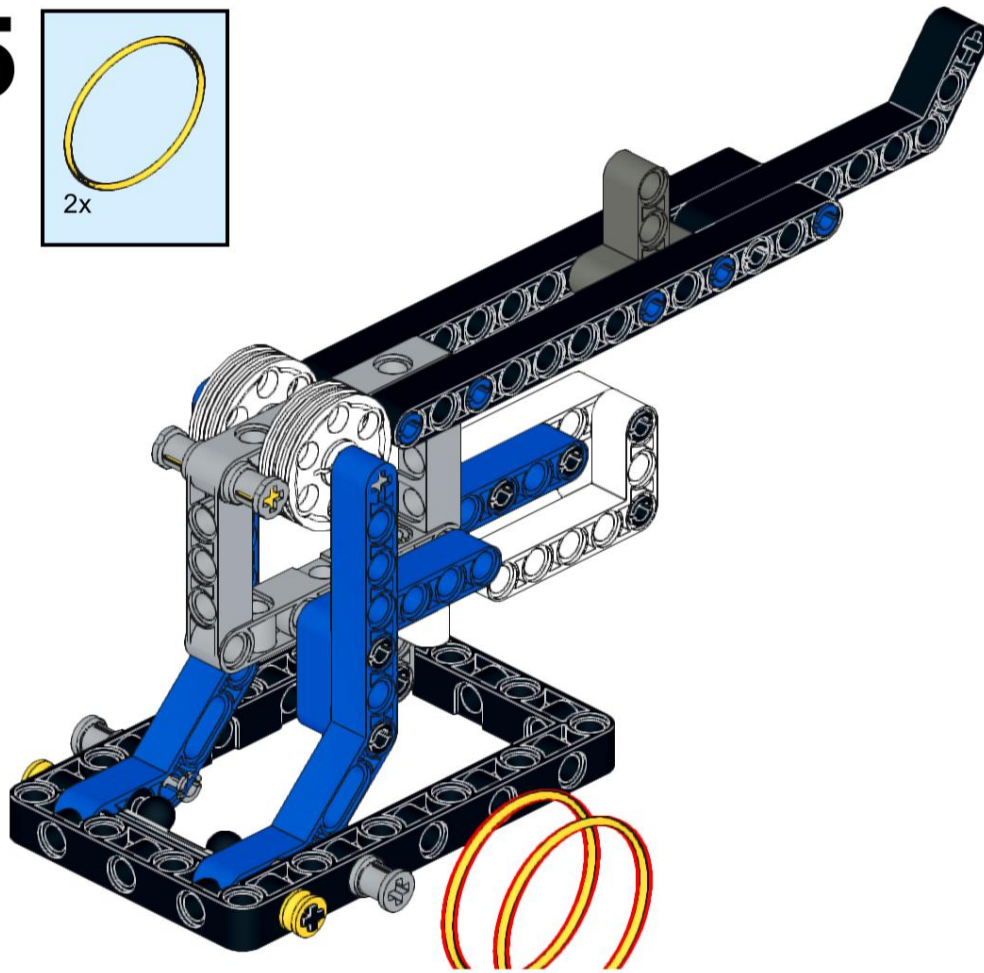
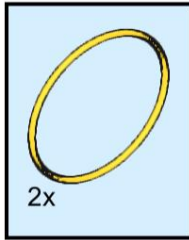
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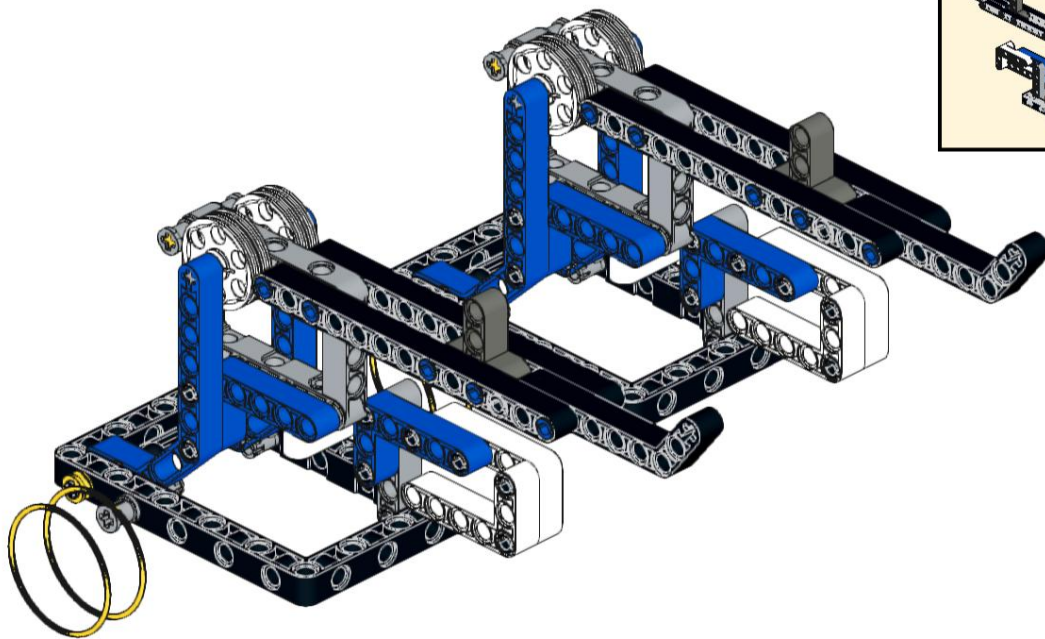
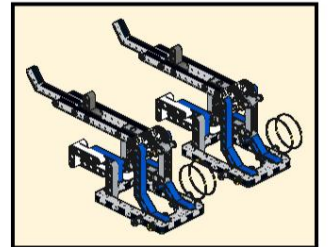
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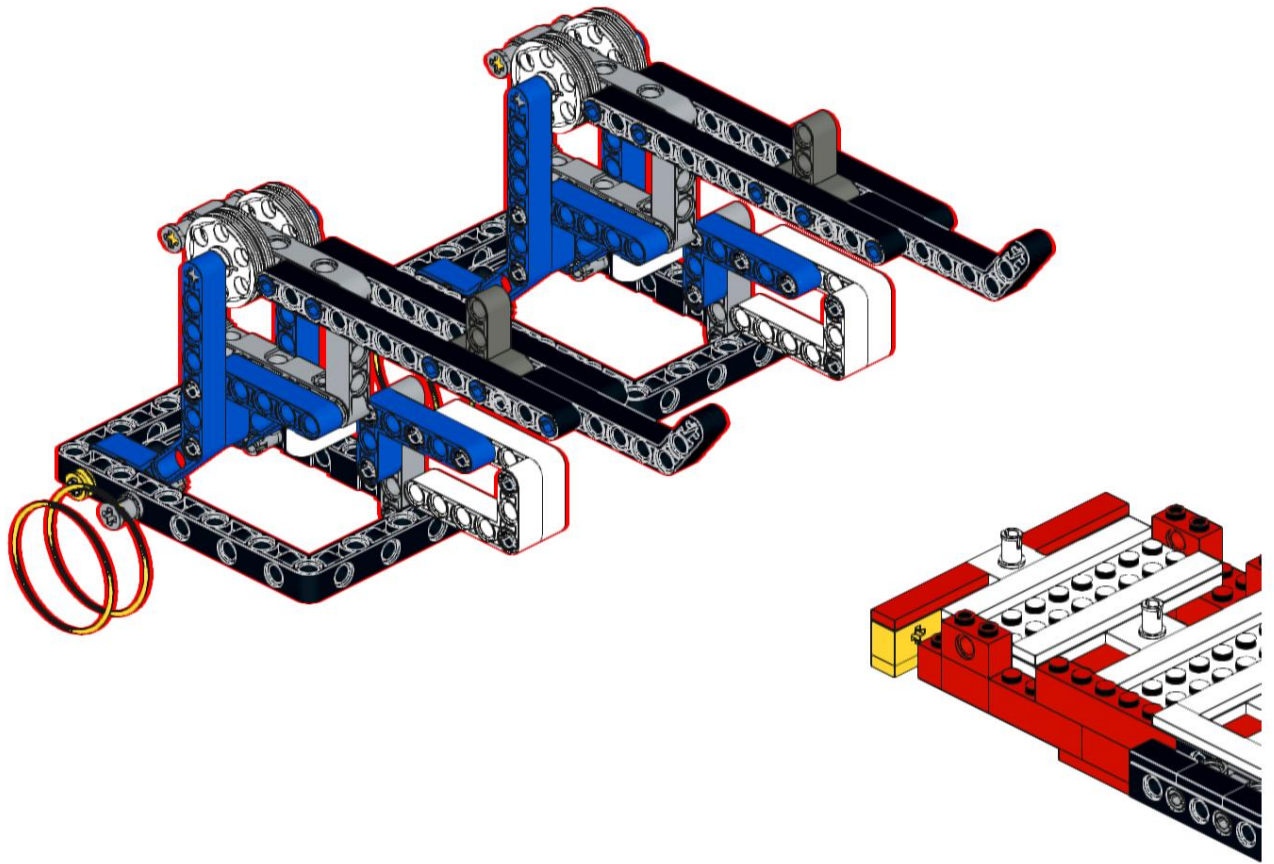
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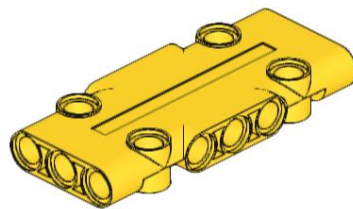
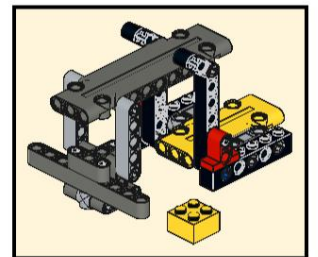
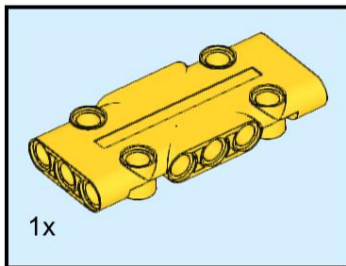
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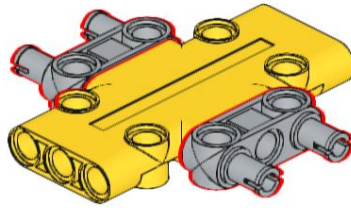
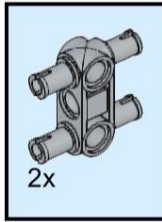
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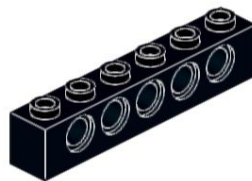
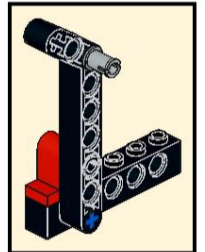
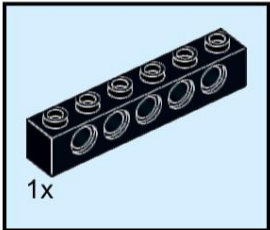
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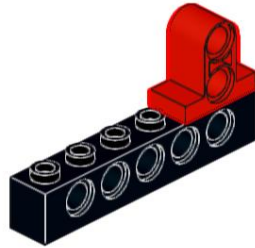
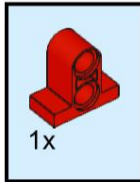
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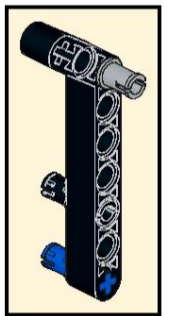
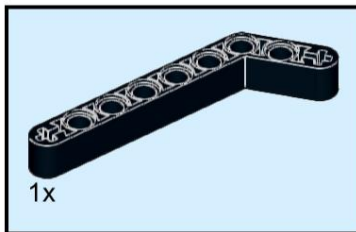
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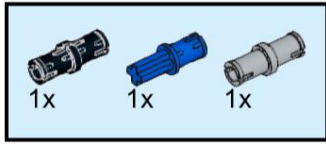
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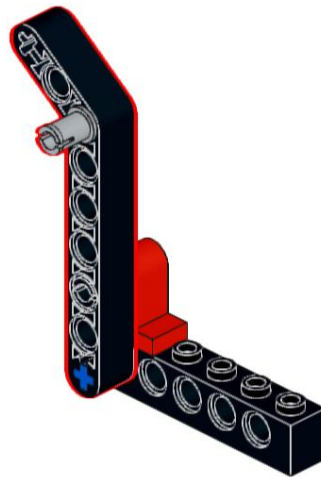
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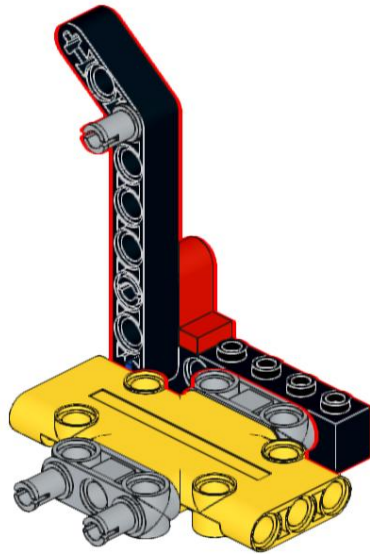
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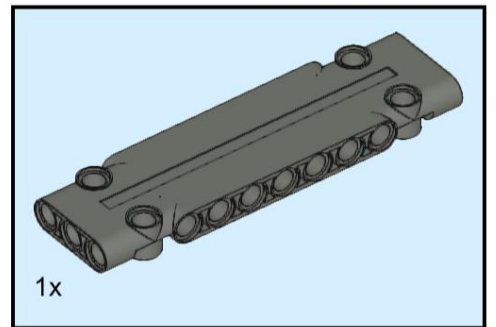
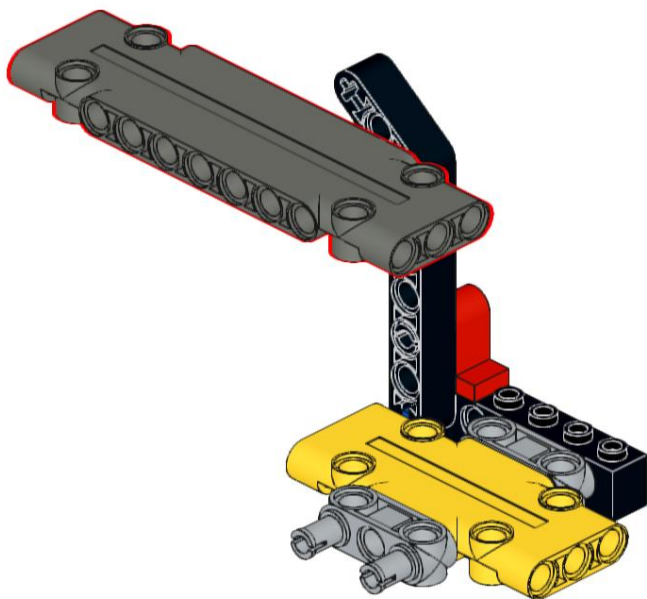
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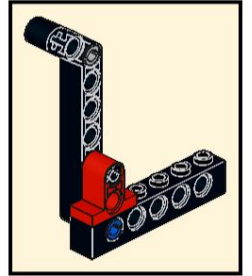
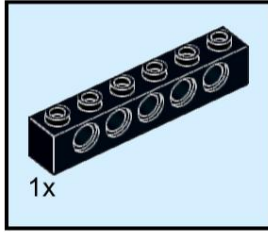
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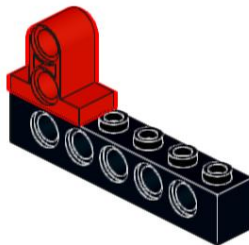
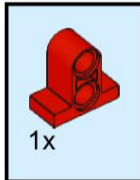
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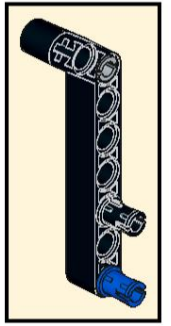
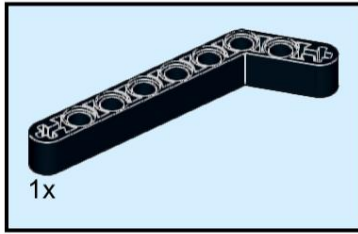
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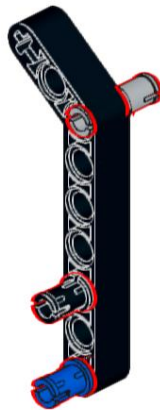
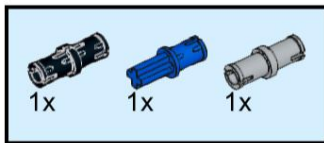
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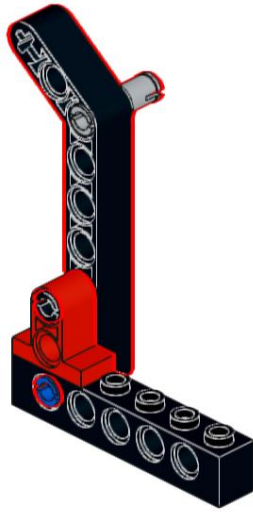
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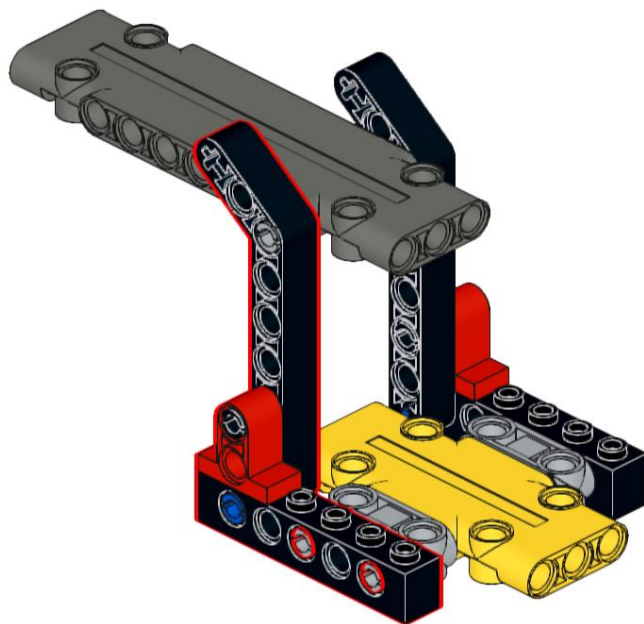
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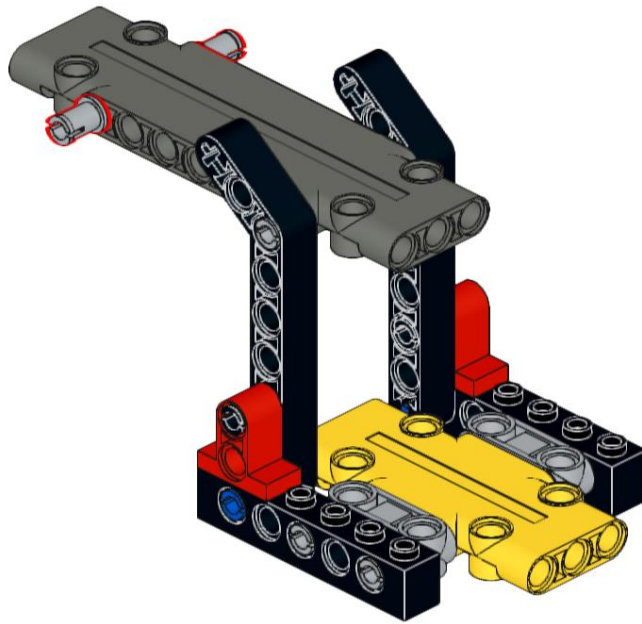
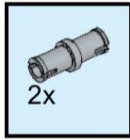
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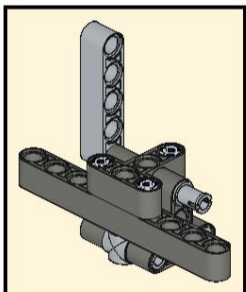
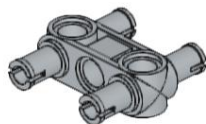
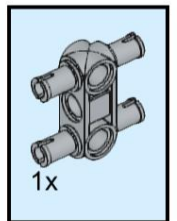
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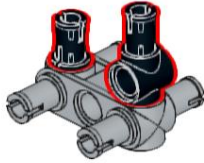
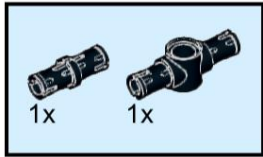
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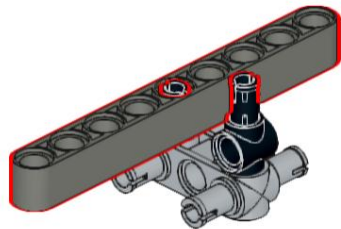
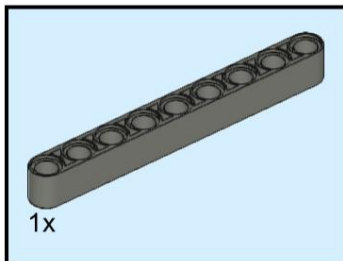
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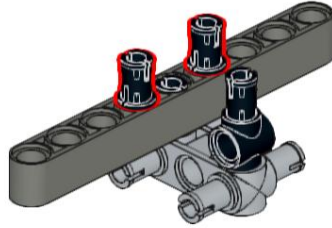
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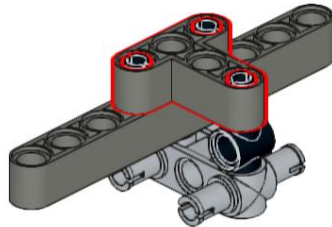
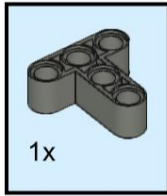
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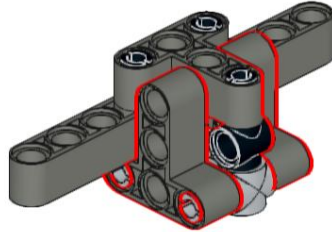
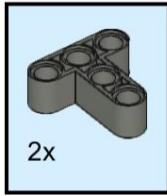
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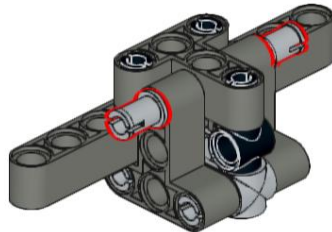
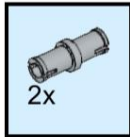
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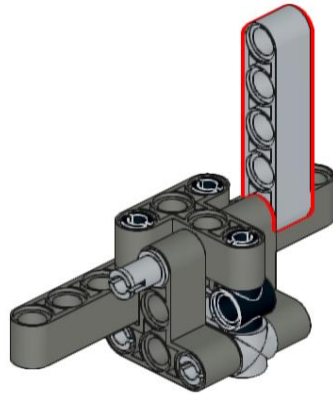
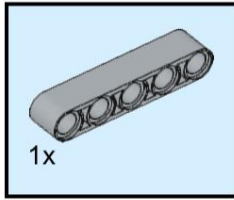
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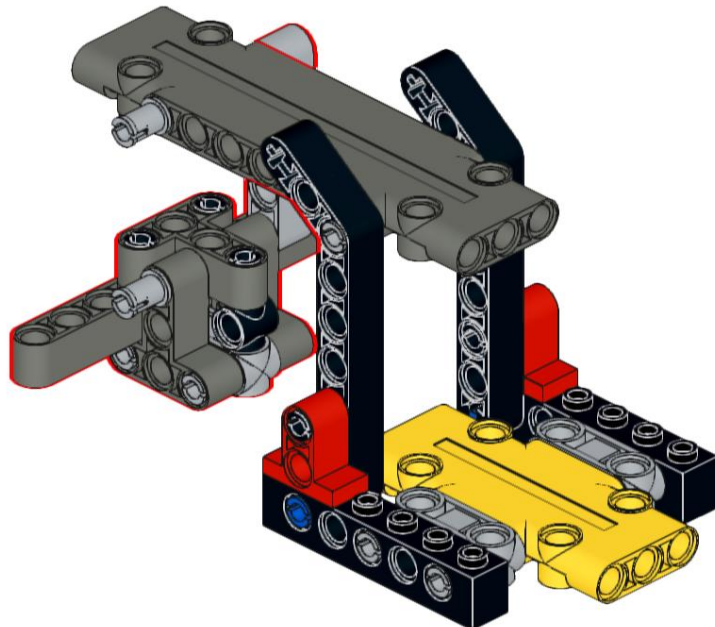
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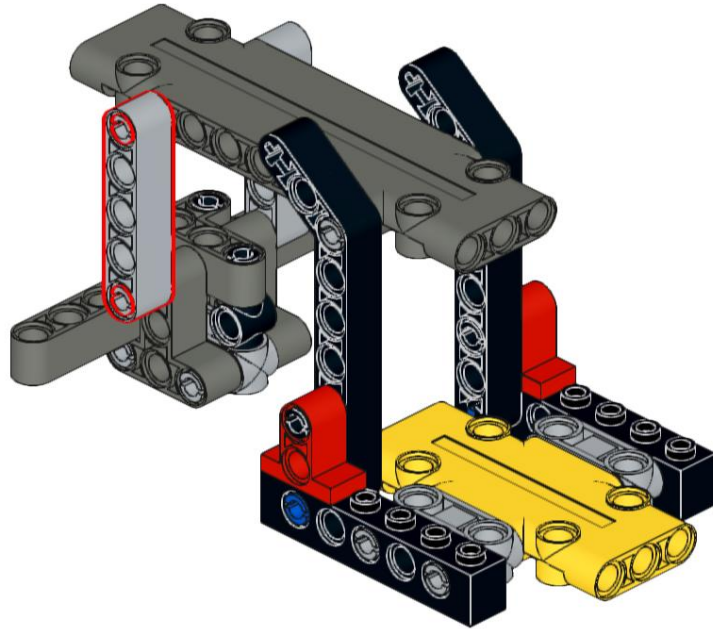
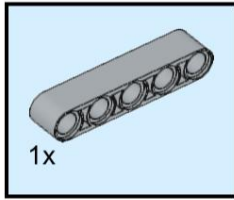
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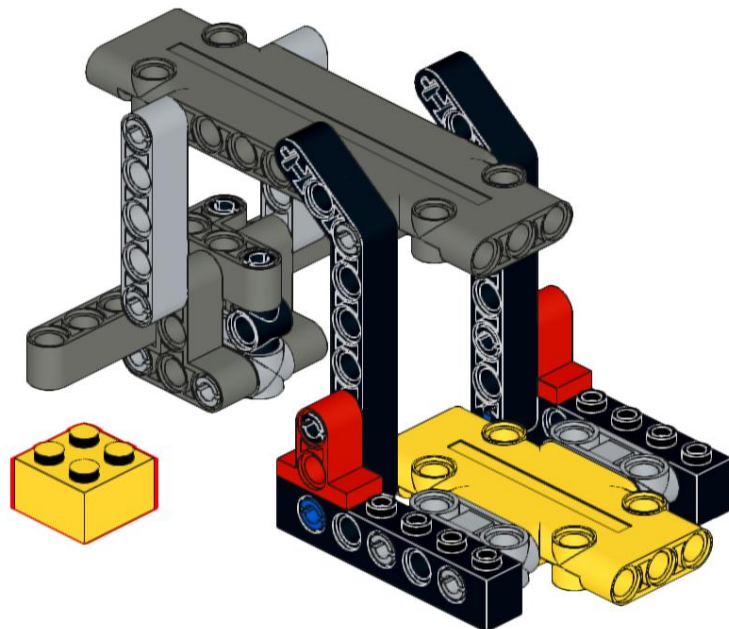
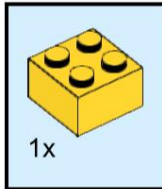
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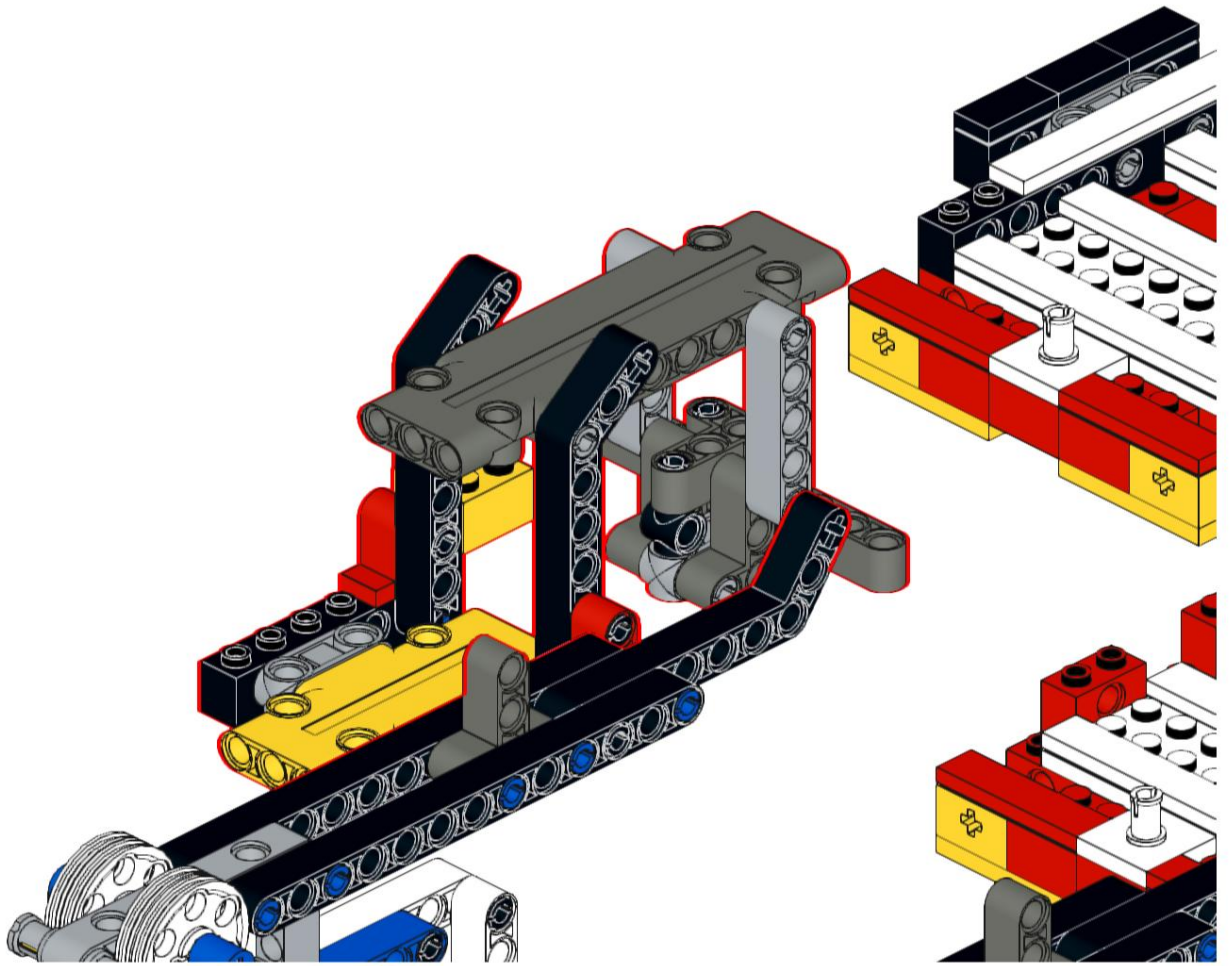
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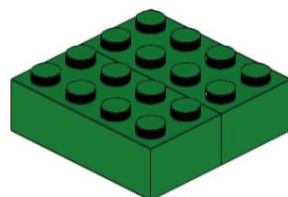
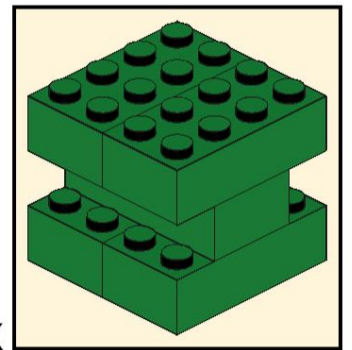
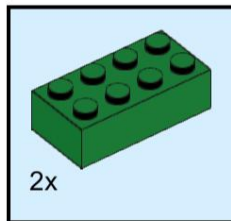
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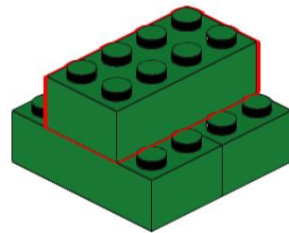
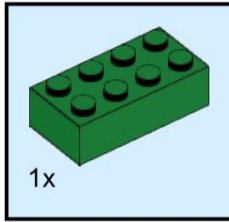
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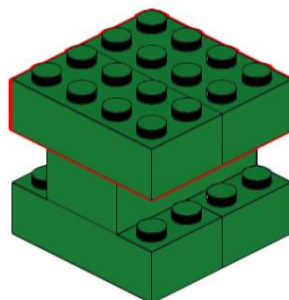
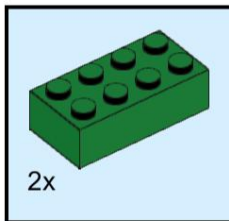
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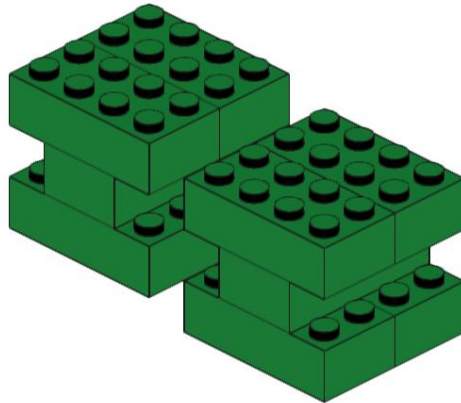
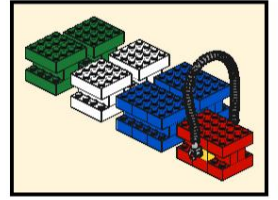
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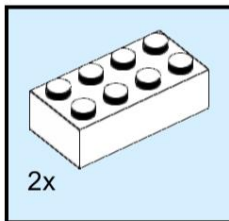
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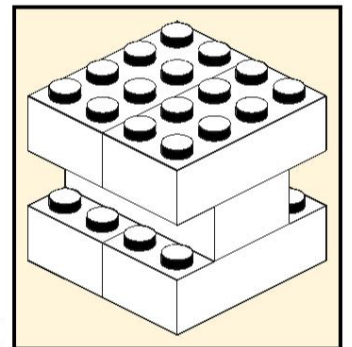
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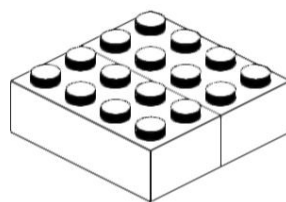
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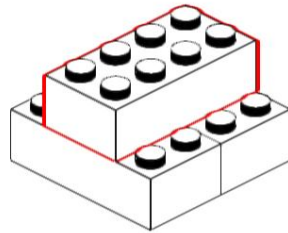
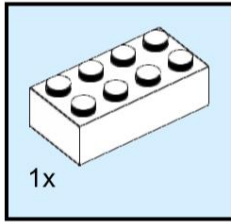
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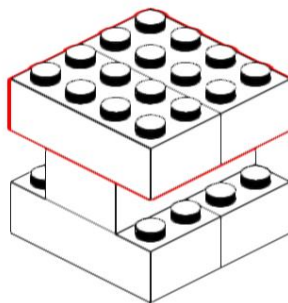
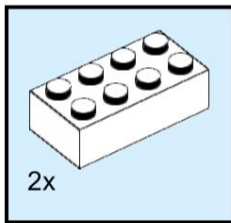
2x



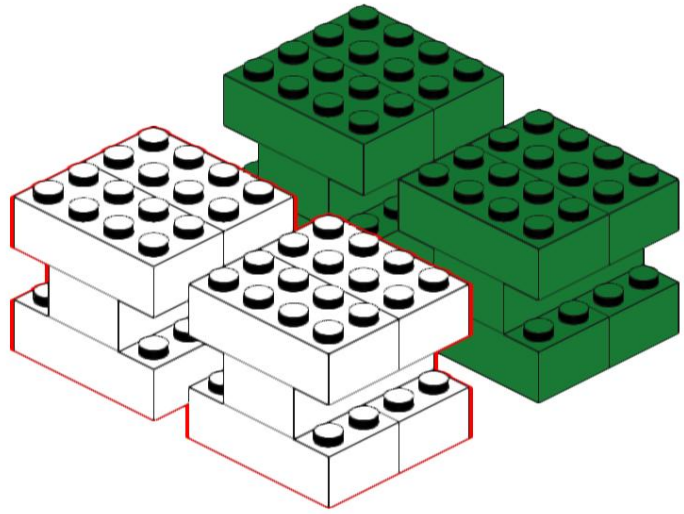
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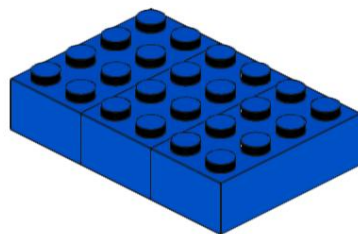
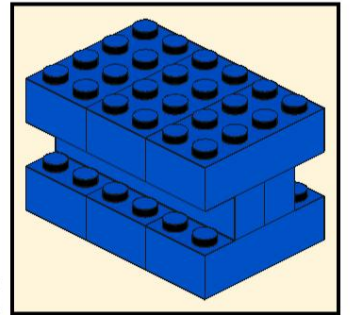
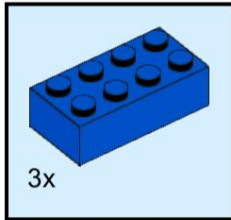
152



153



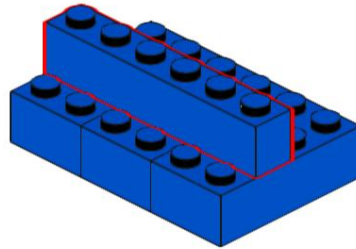
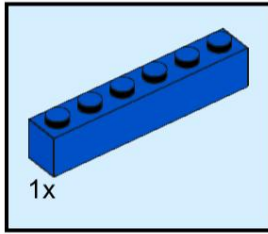
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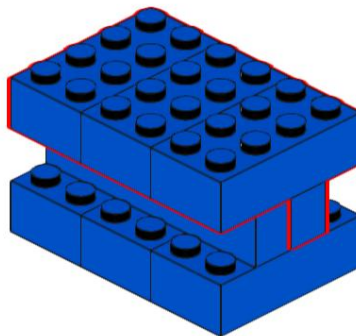
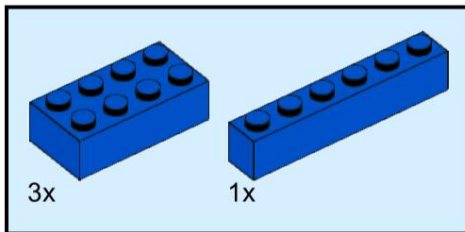
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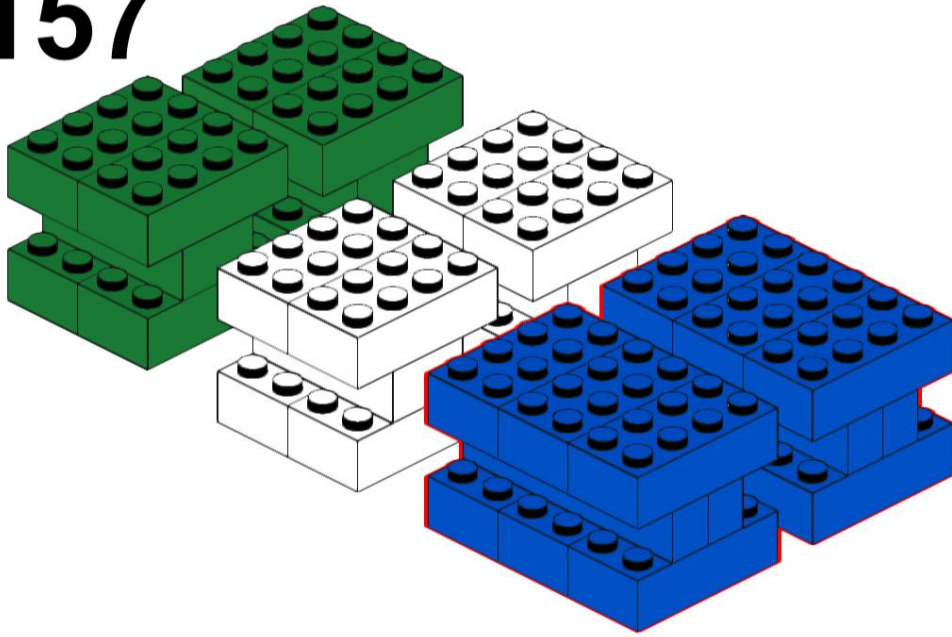
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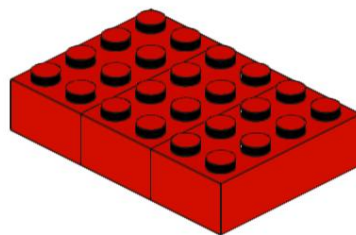
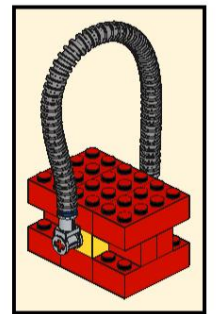
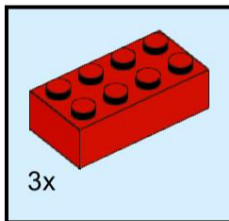
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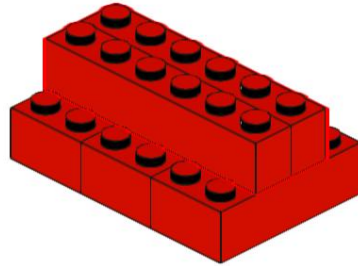
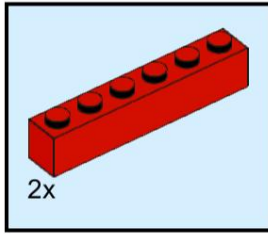
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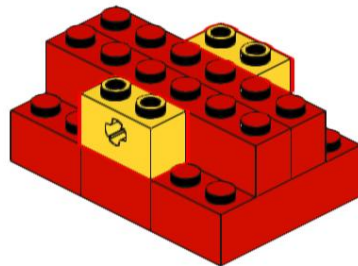
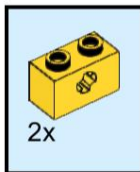
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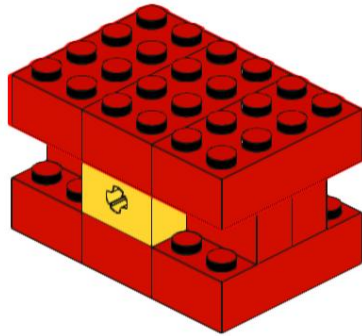
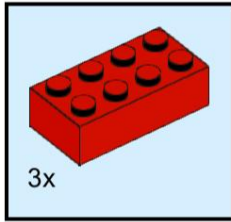
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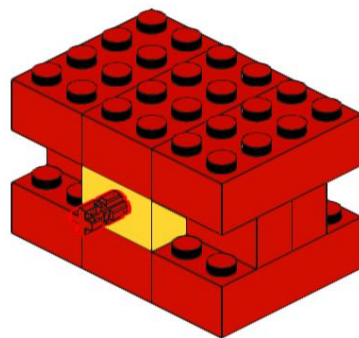
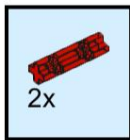
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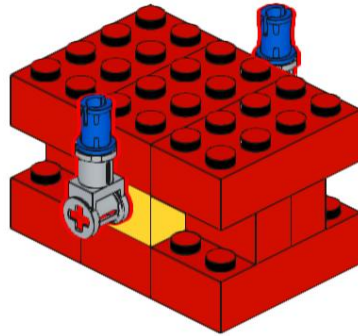
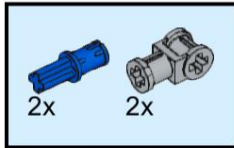
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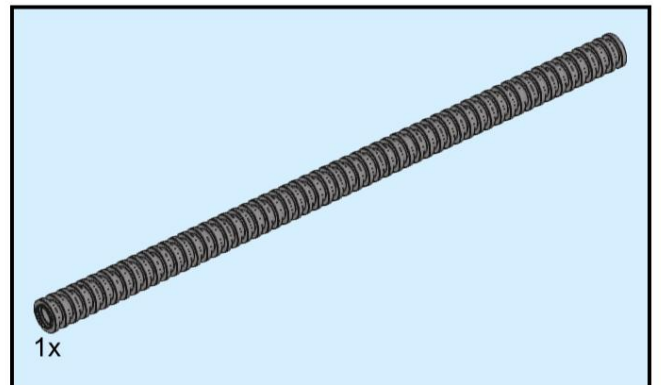
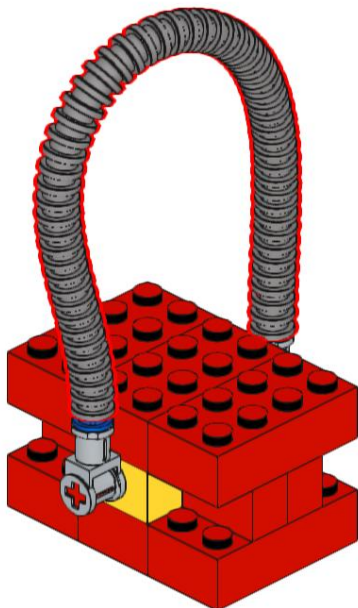
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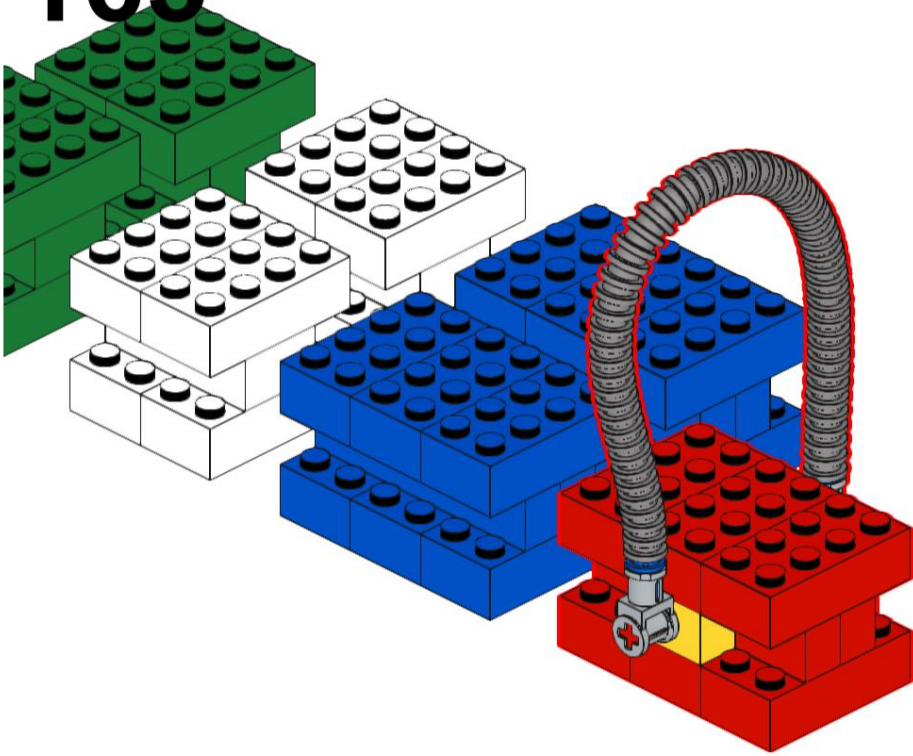
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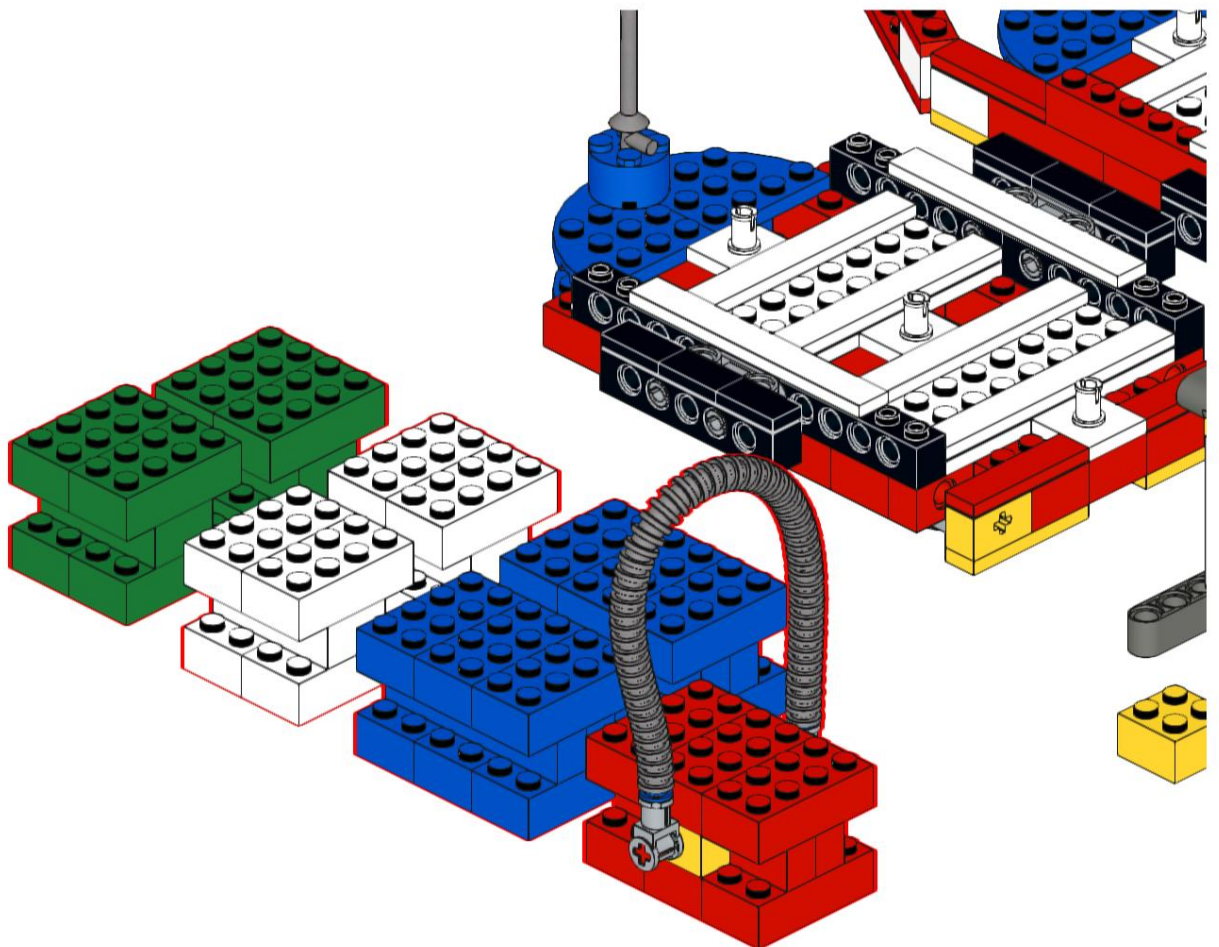
164



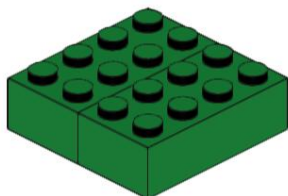
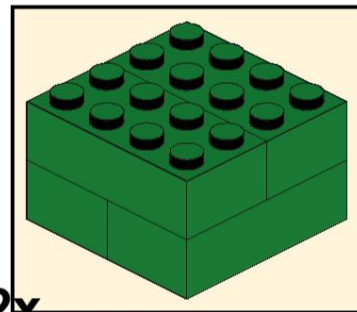
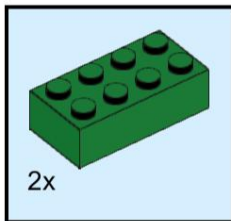
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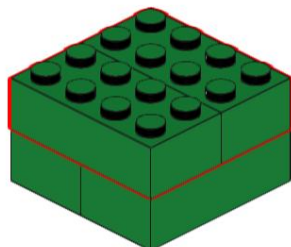
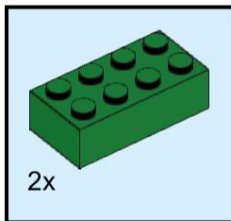
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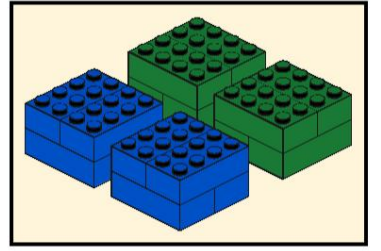
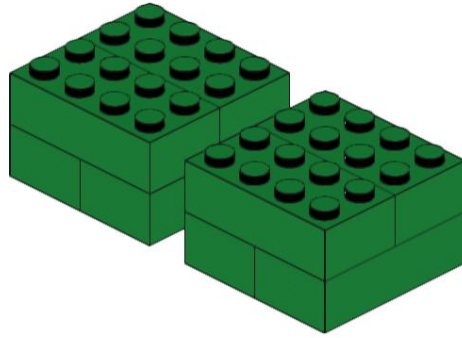
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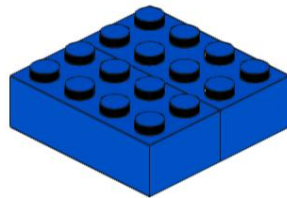
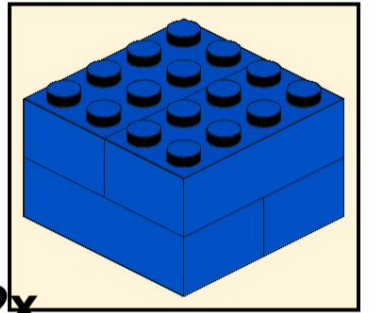
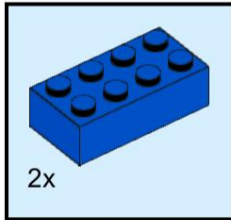
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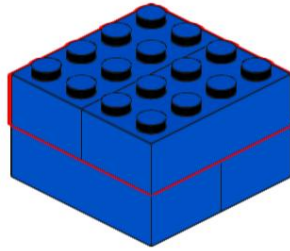
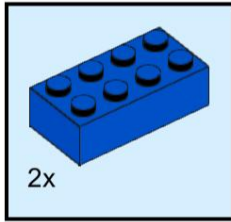
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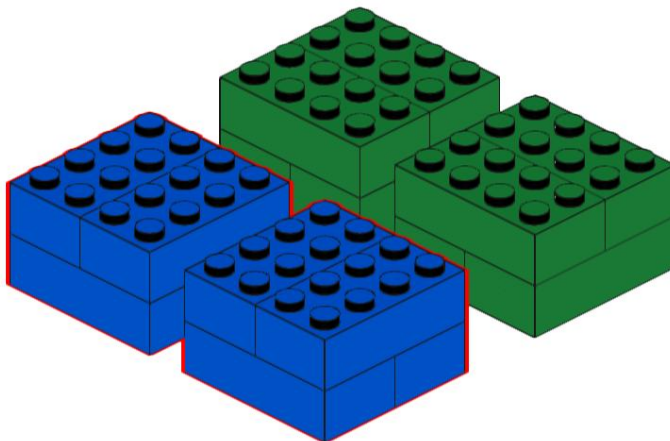
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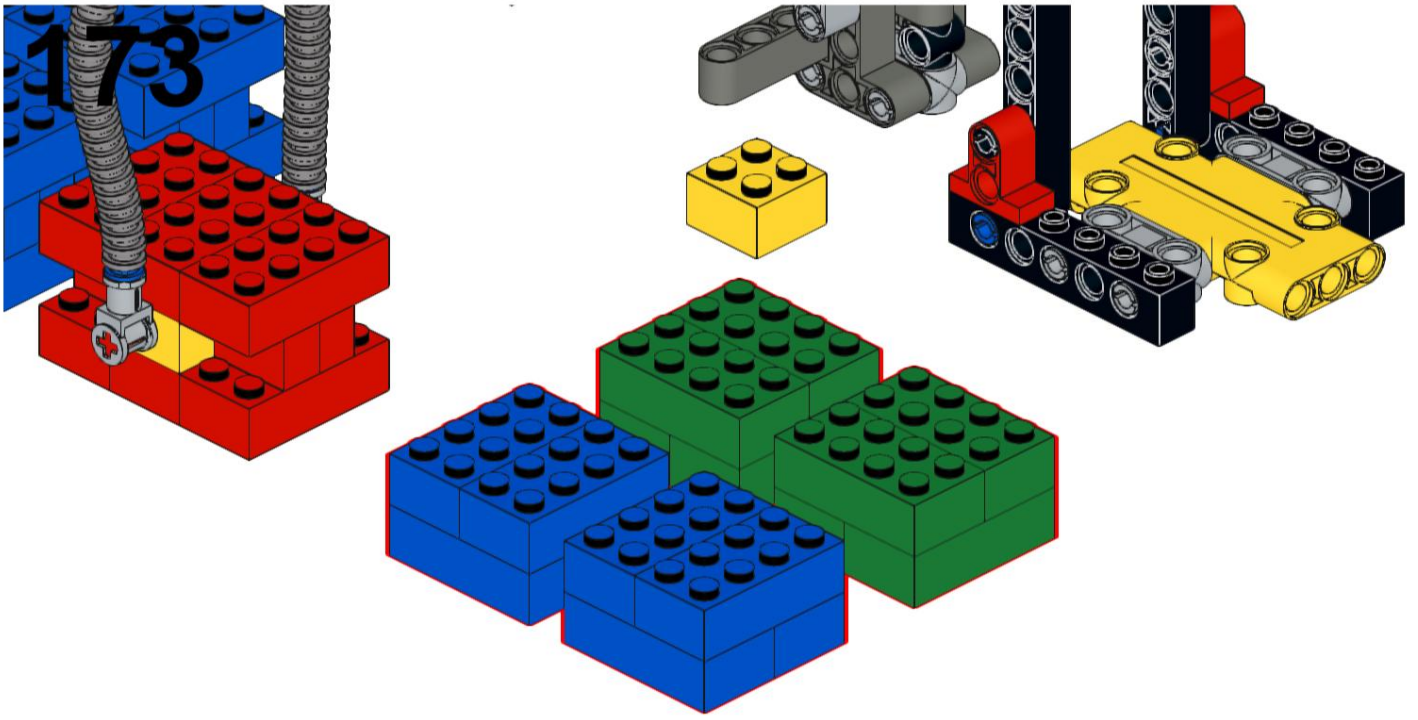


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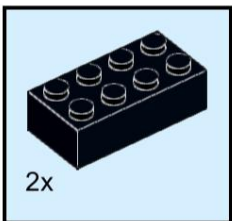
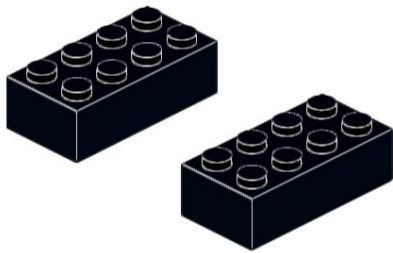
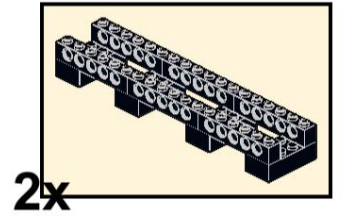


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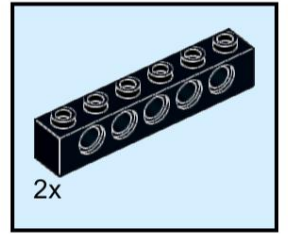
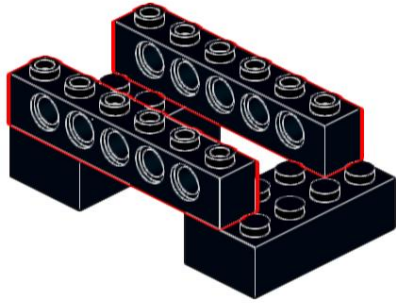




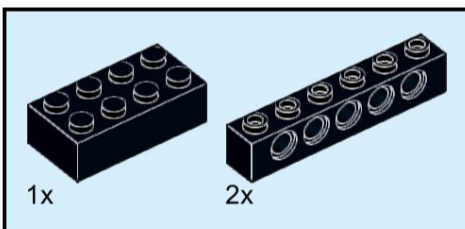
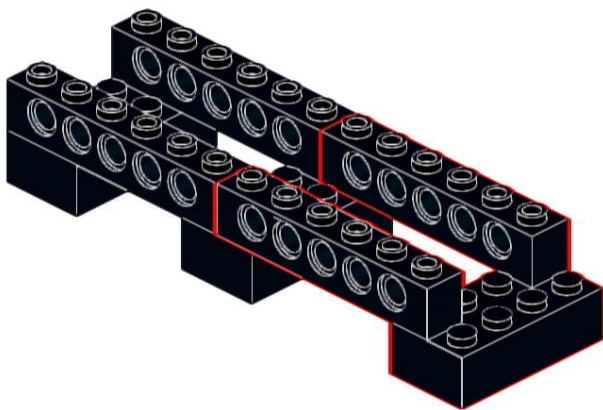
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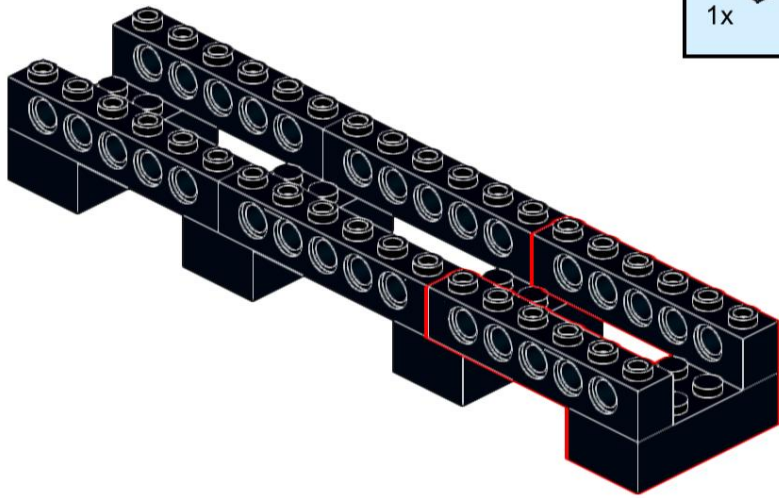
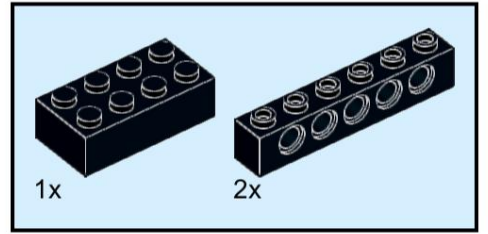
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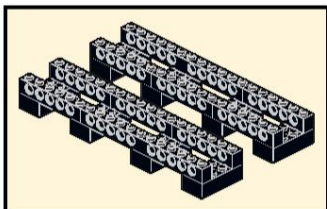
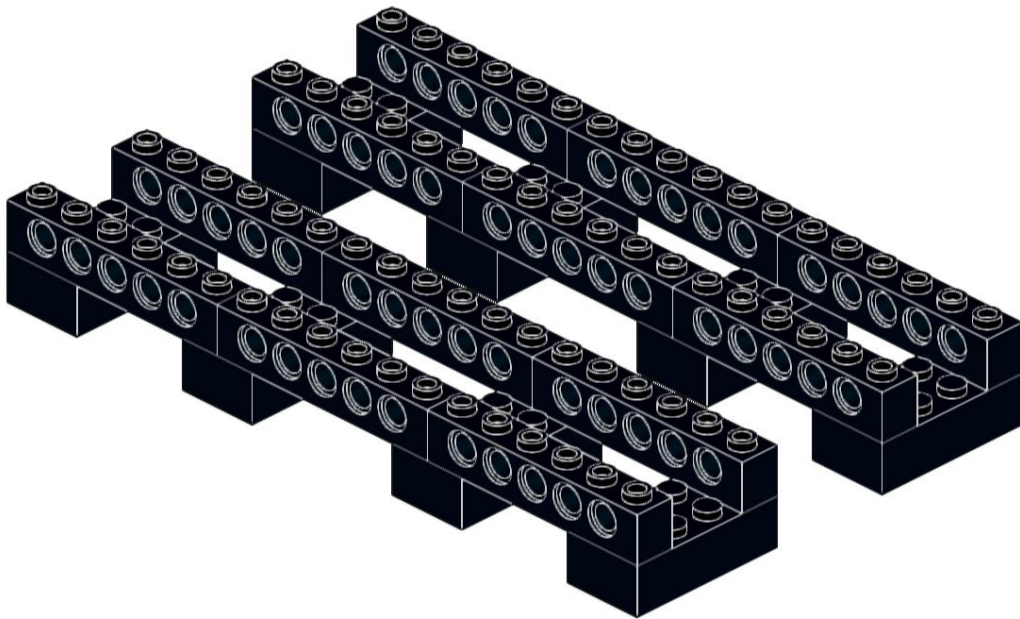
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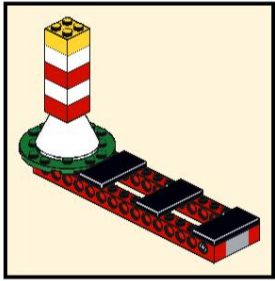
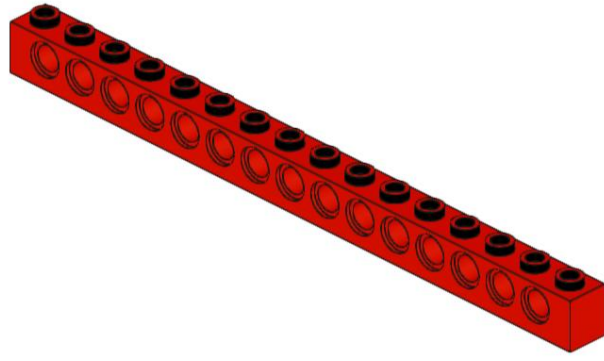
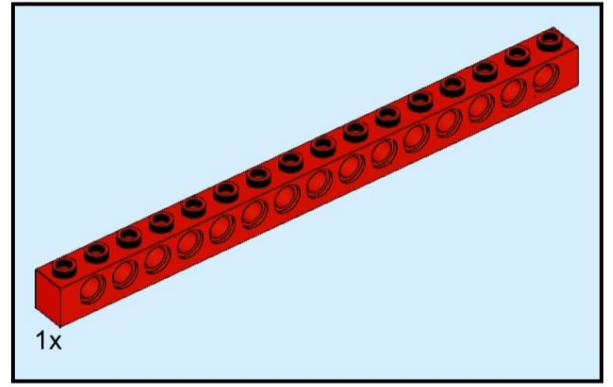
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178

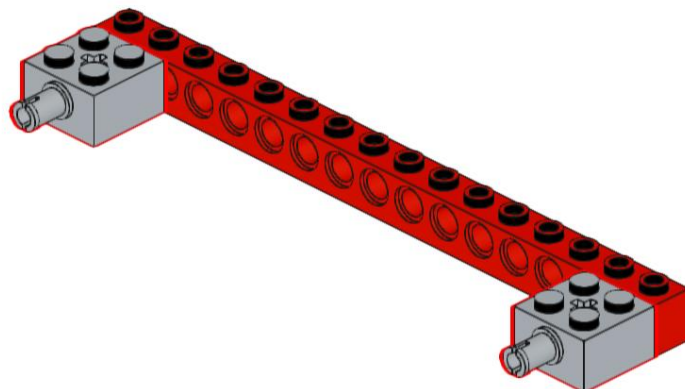
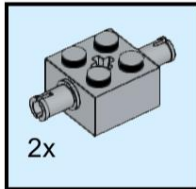


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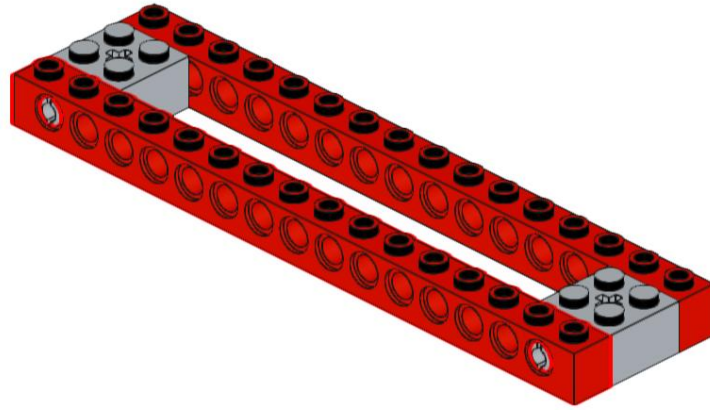
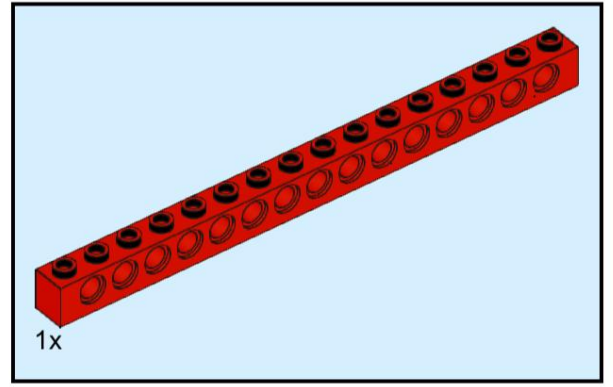


2x

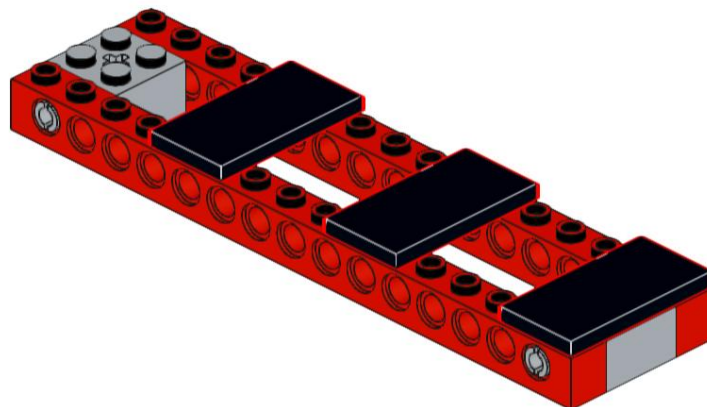
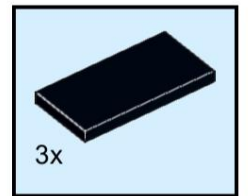
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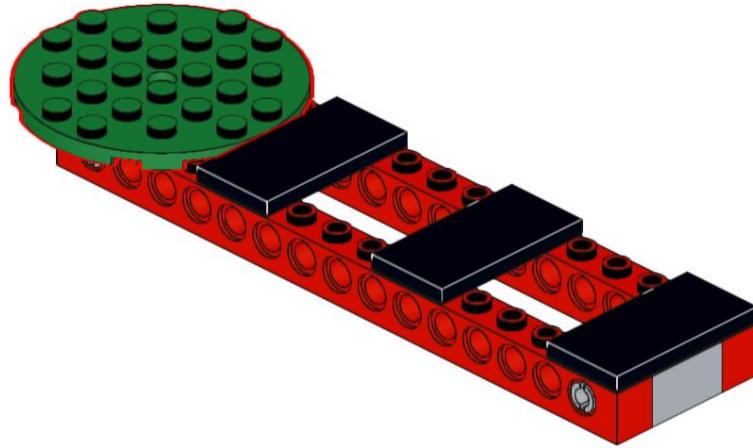
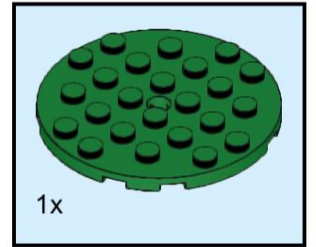
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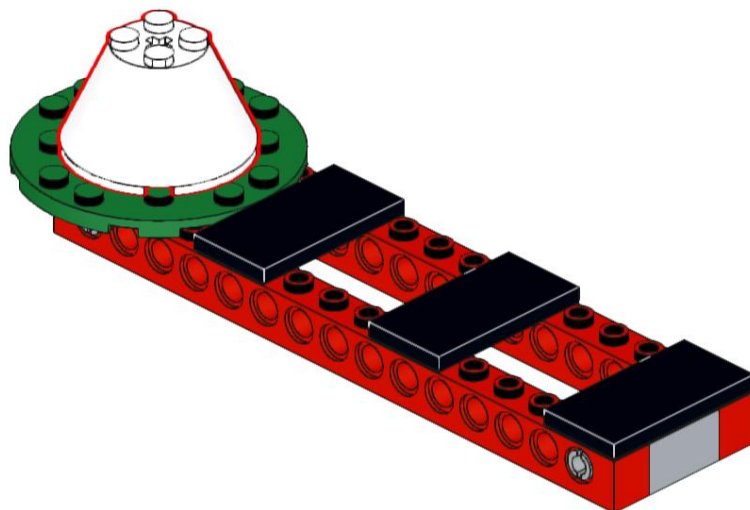
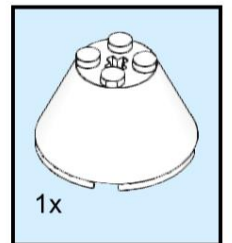
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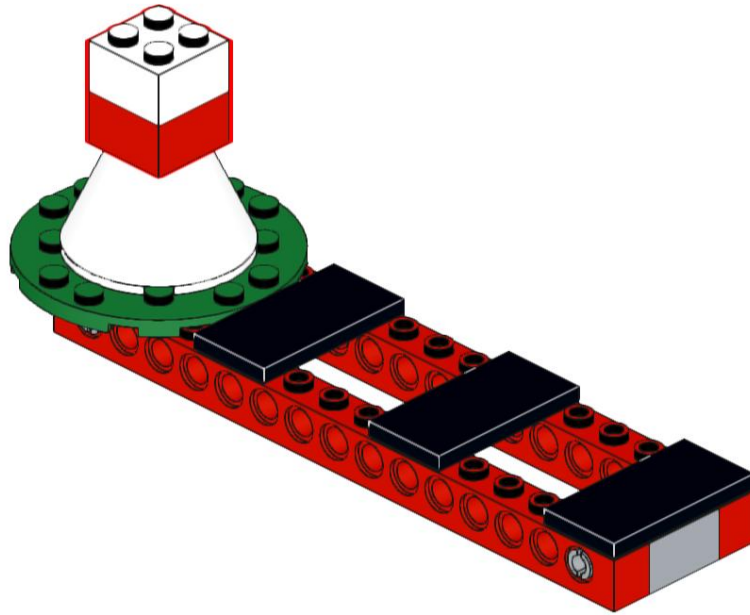
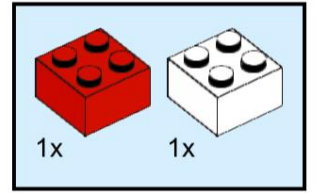
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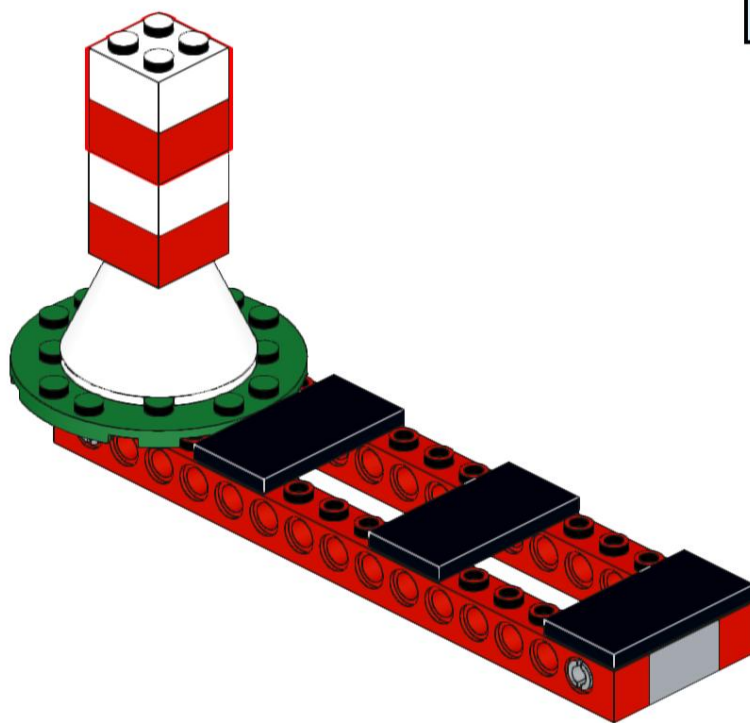
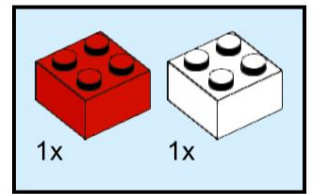
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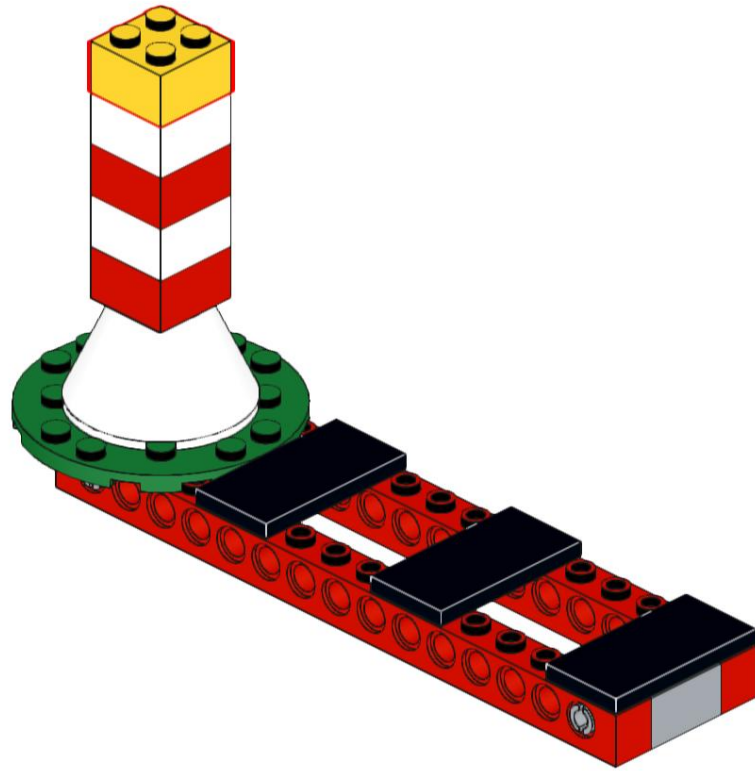
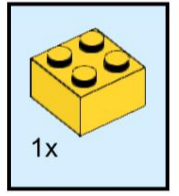
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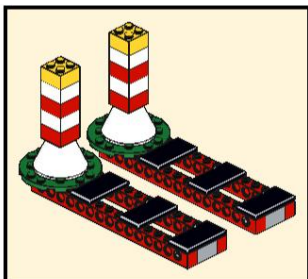
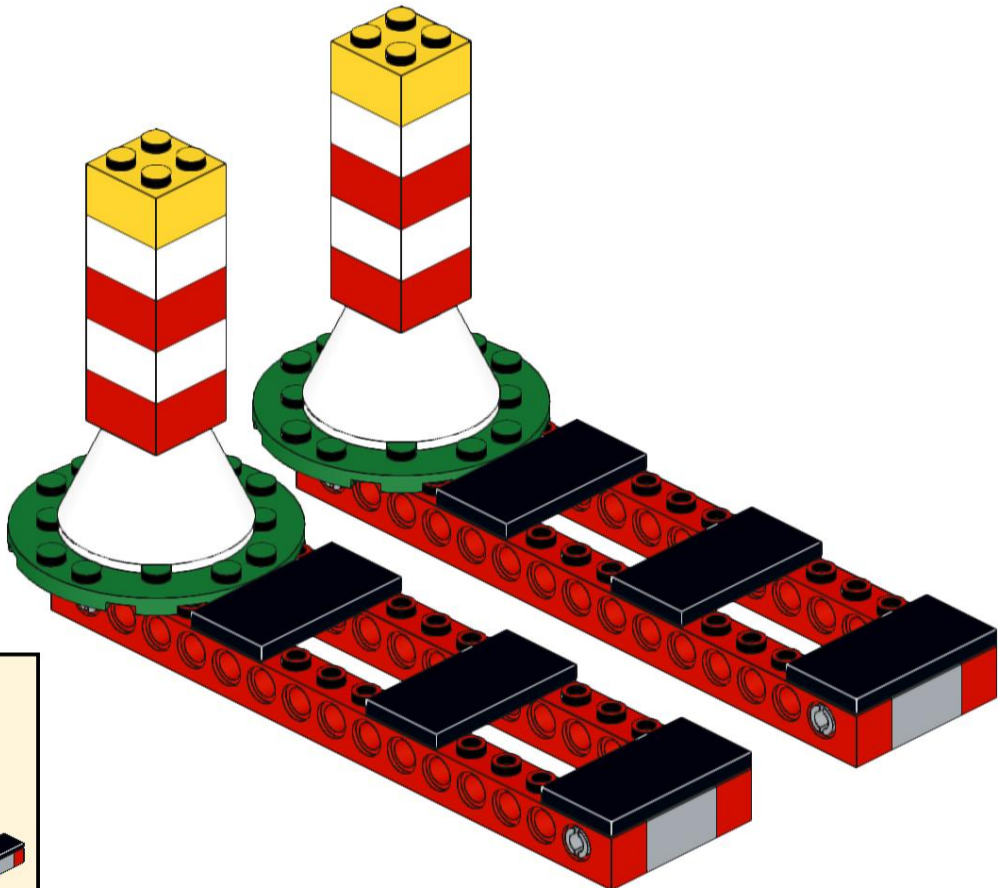
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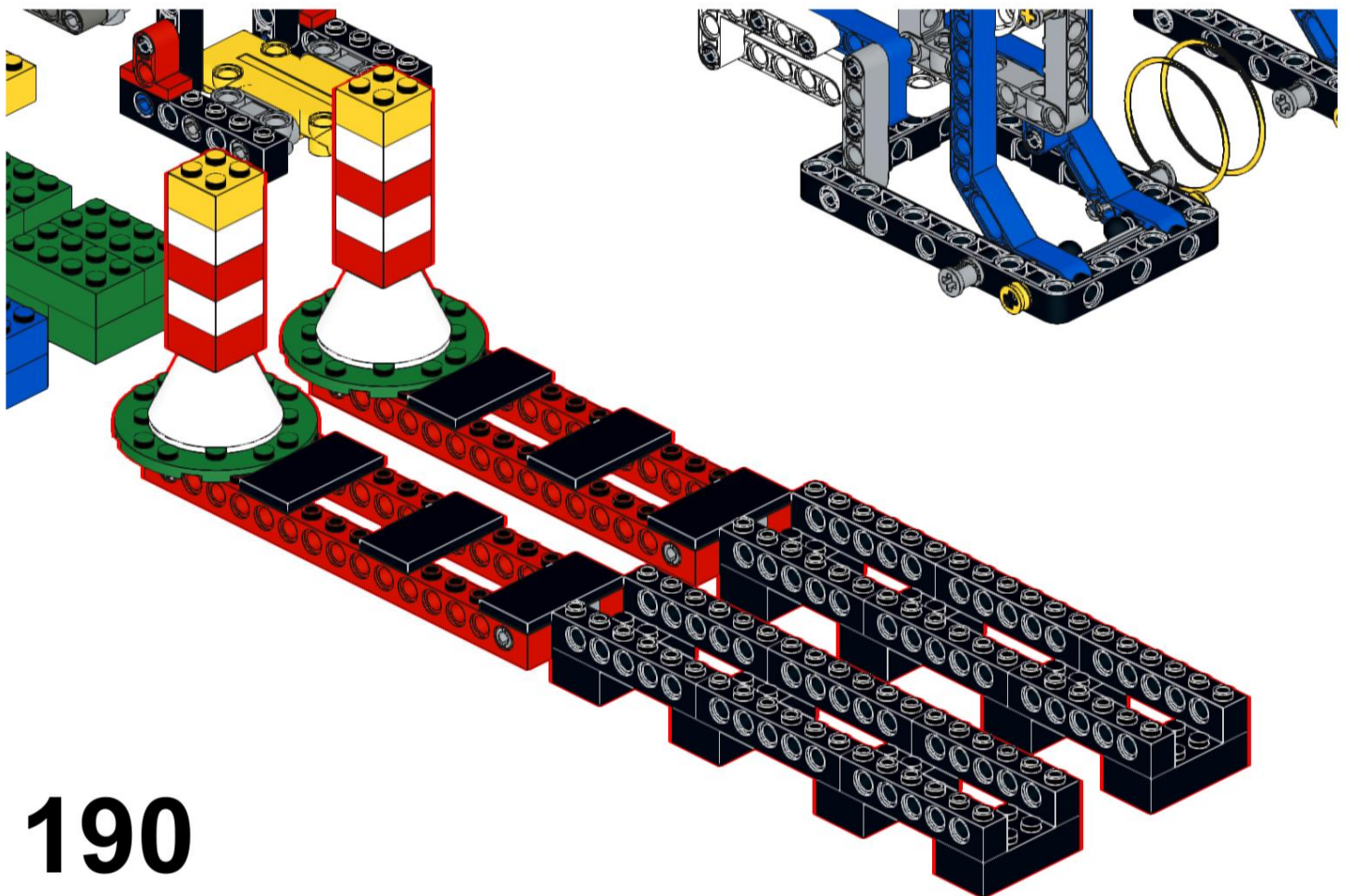
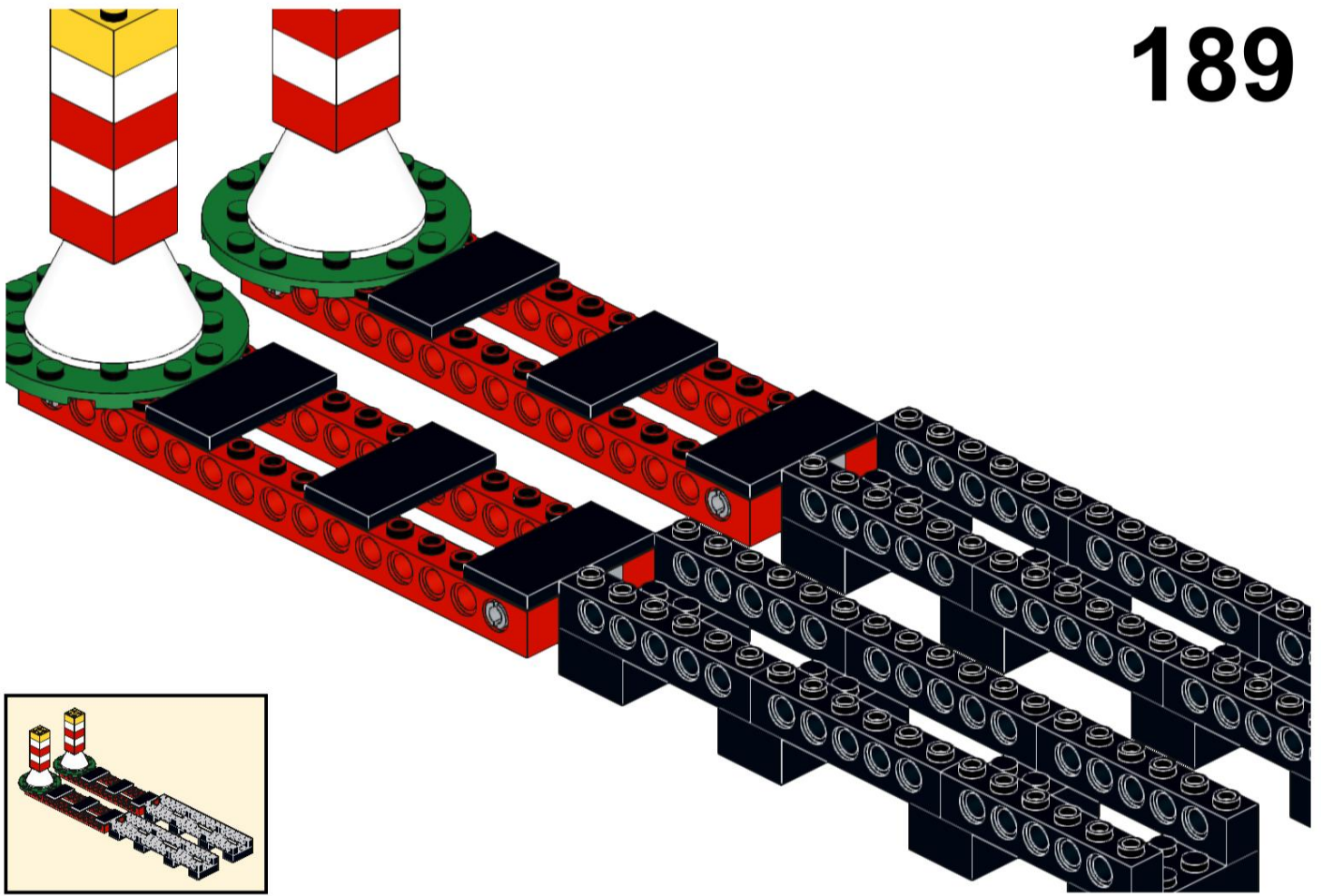


187



188







4x
6628a
Black



2x
18651
Black



24x
3894
Black



23x
2780
Black



1x
87082
Black



12x
3069b
Black



6x
87079
Black



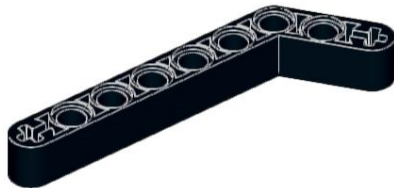
2x
3707
Black



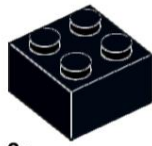
6x
2654
Black



8x
3001
Black



4x
32271
Black



2x
3003
Black



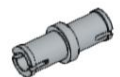
4x
41239
Black



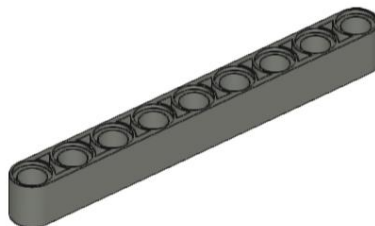
5x
60484
Dark Bluish Gray



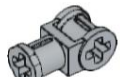
4x
3713
Light Bluish Gray



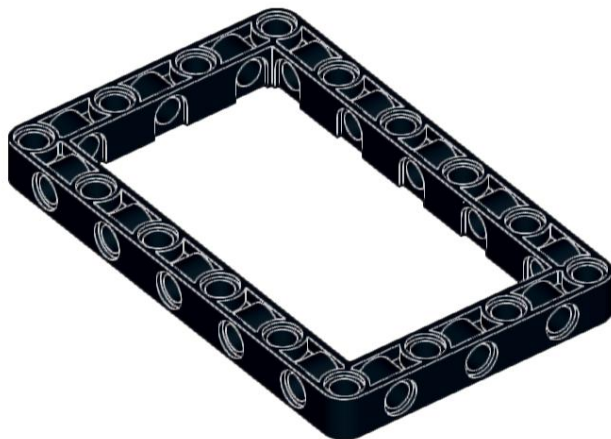
8x
3673
Light Bluish Gray



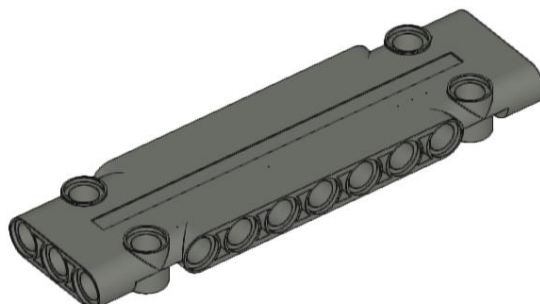
1x
40490
Dark Bluish Gray



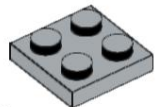
2x
32039
Light Bluish Gray



2x
39794
Black



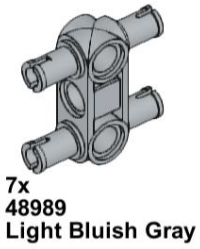
1x
15458
Dark Bluish Gray



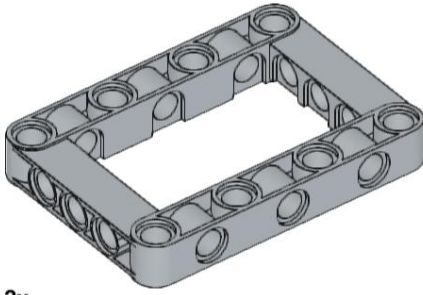
6x
3022
Light Bluish Gray



4x
32054
Light Bluish Gray



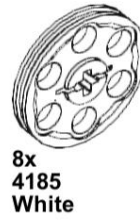
7x
48989
Light Bluish Gray



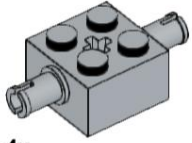
2x
64179
Light Bluish Gray



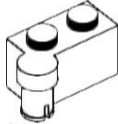
2x
32523
White



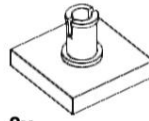
8x
4185
White



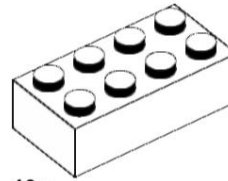
4x
30000
Light Bluish Gray



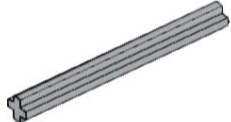
3x
3830
White



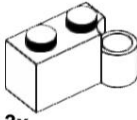
8x
2460
White



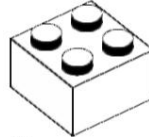
10x
3001
White



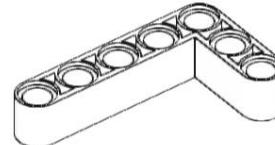
2x
32073
Light Bluish Gray



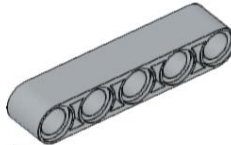
3x
3831
White



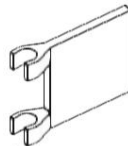
4x
3003
White



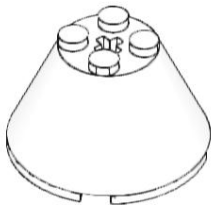
4x
32526
White



4x
32316
Light Bluish Gray



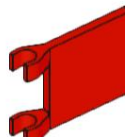
1x
2335
White



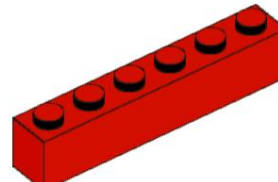
2x
3943b
White



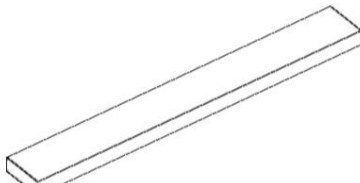
2x
32062
Red



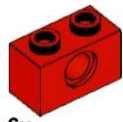
1x
2335
Red



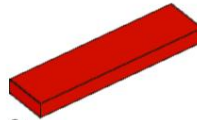
18x
3009
Red



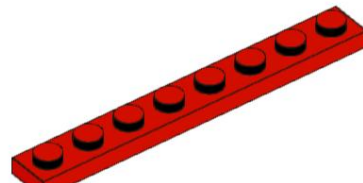
16x
4162
White



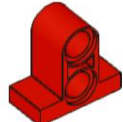
6x
3700
Red



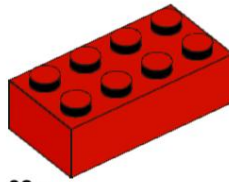
6x
2431
Red



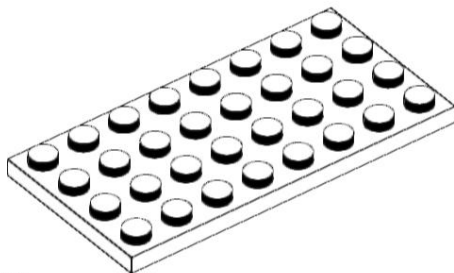
8x
3460
Red



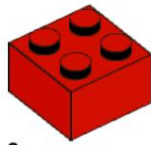
2x
32530
Red



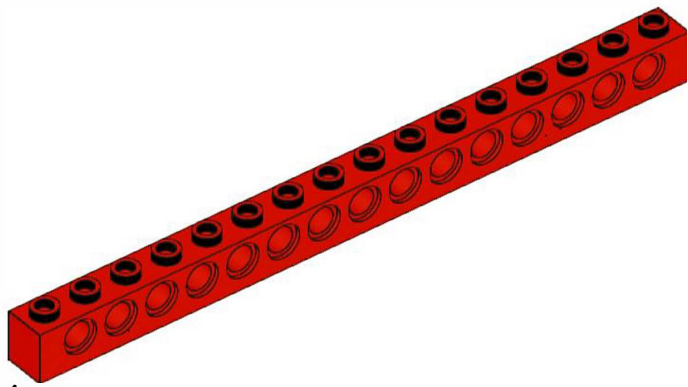
32x
3001
Red



8x
3035
White



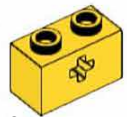
8x
3003
Red



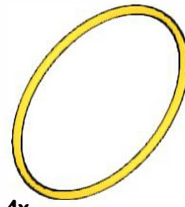
4x
3703
Red



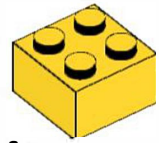
4x
4265c
Yellow



6x
32064c
Yellow



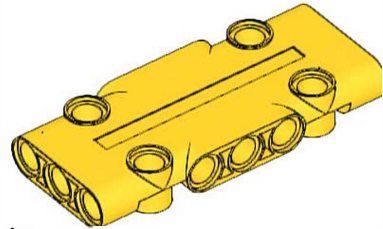
4x
70905
Yellow



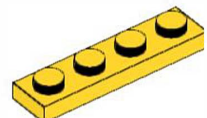
3x
3003
Yellow



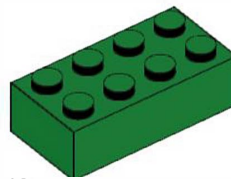
2x
4519
Yellow



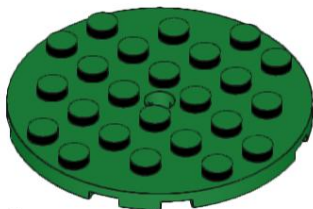
1x
71709
Yellow



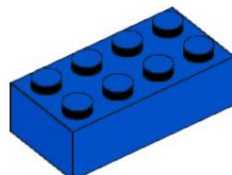
8x
3710
Yellow



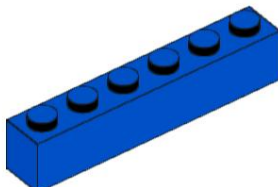
18x
3001
Green



4x
11213
Green



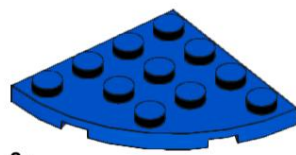
20x
3001
Blue



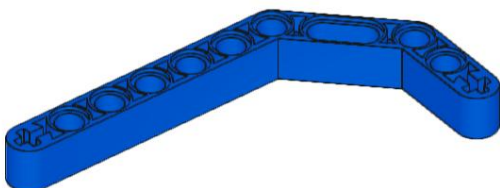
4x
crssprt02
Blue



4x
43093
Blue



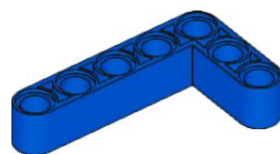
8x
30565
Blue



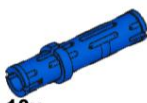
4x
32009
Blue



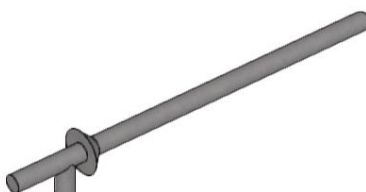
4x
3941
Blue



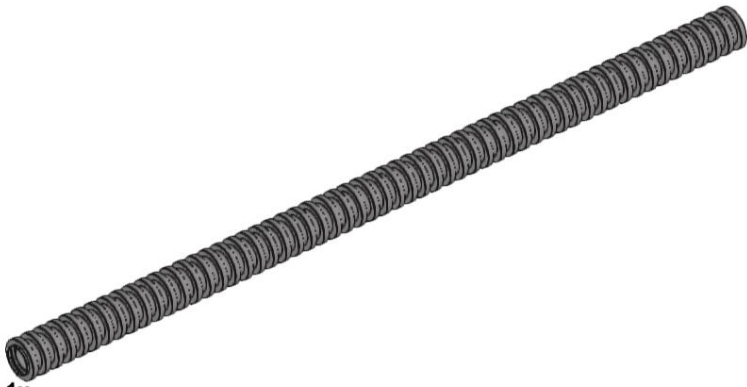
4x
32526
Blue



10x
6558
Blue



2x
3849
Flat Silver



1x
78c18
Flat Silver