



Maşini simple şi propulsate



Despre scripeți nu am vorbit încă. Îi văd în fața mea tot timpul!

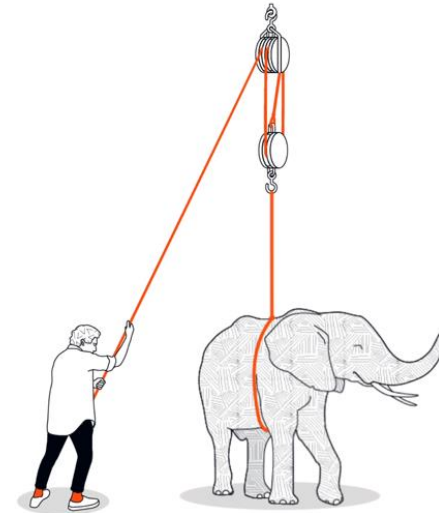
Oh, am făcut ieri o jucărie cu scripeți!

O vecină de-a mea nu coboară la cumpărături și are un sistem de scripeți pentru a-și ridica cumpărăturile!





Vă puteți gândi cum funcționează scripeții?



Scripeții au fost, de asemenea, folosiți din cele mai vechi timpuri.



Scripeții sunt discuri circulare care se rotesc în jurul axelor care trec prin centrul lor. De-a lungul circumferinței lor există un șanț prin care trece o frânghie.

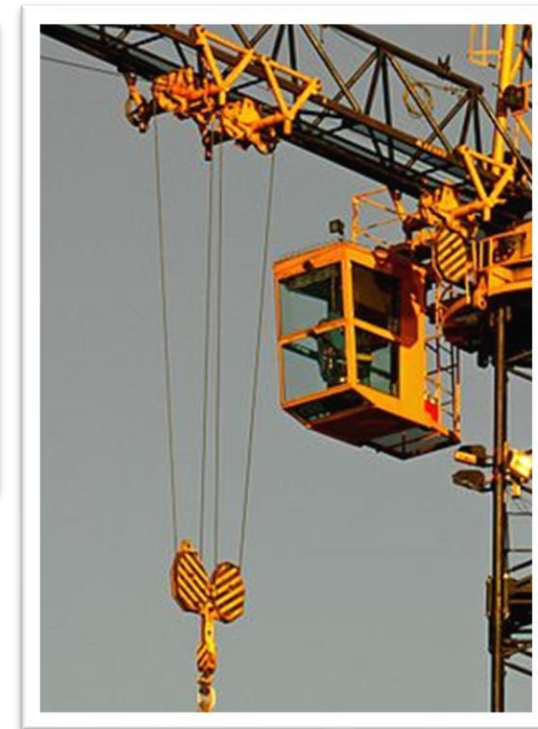
What is a pulley and how does it work?



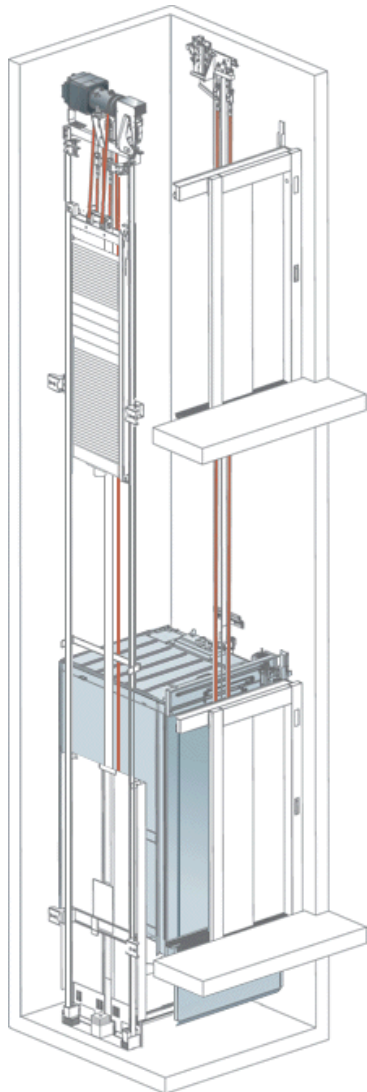
Explicati videoclipul pe înțelesul elevilor.



Vă puteți gândi la
obiecte care au
scripeți?



Lasă-le elevilor să sugereze obiecte cu scripeți înainte de a vorbi despre imagini.

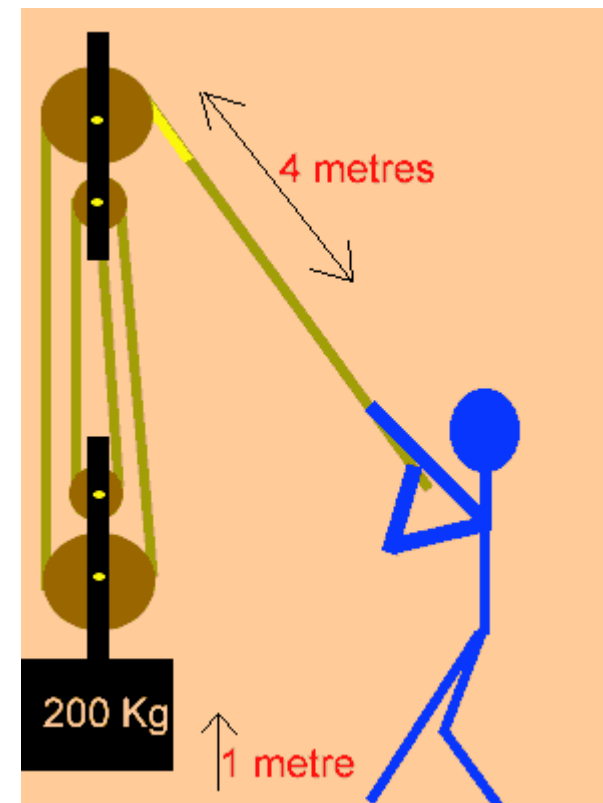


Gândiți-vă la aceste
obiecte
de asemenea!





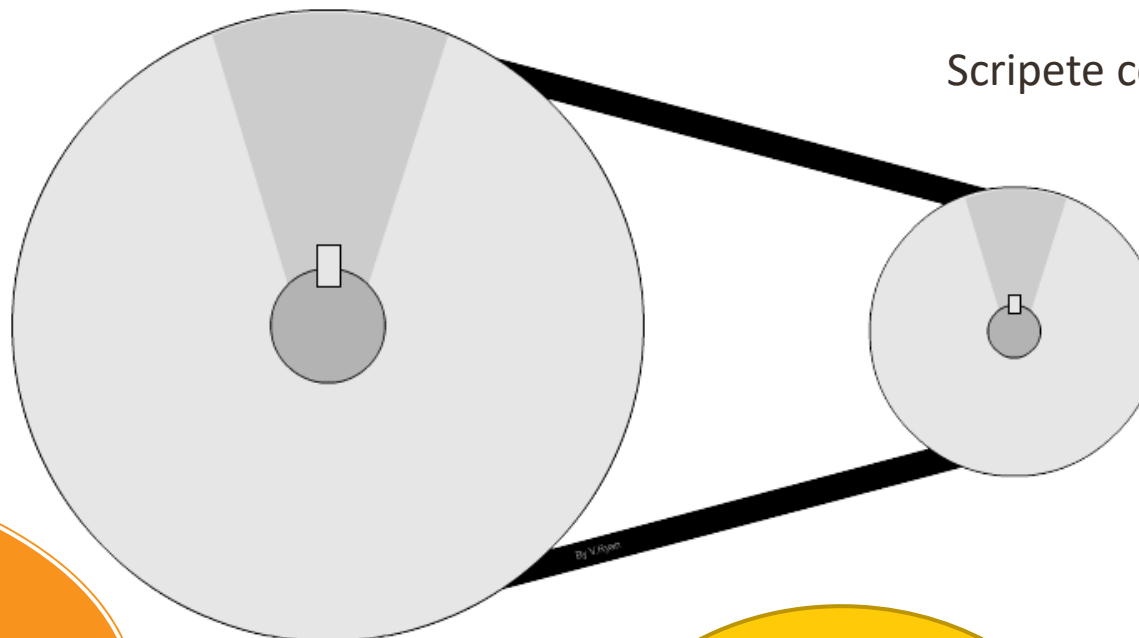
De ce preferăm să folosim mai multi scripeti, și să folosim mai multă frânghie?



Menționați că la utilizarea mai multor scripeti forța exercitată este mai mică.

Scripete conducator

Scripete condus

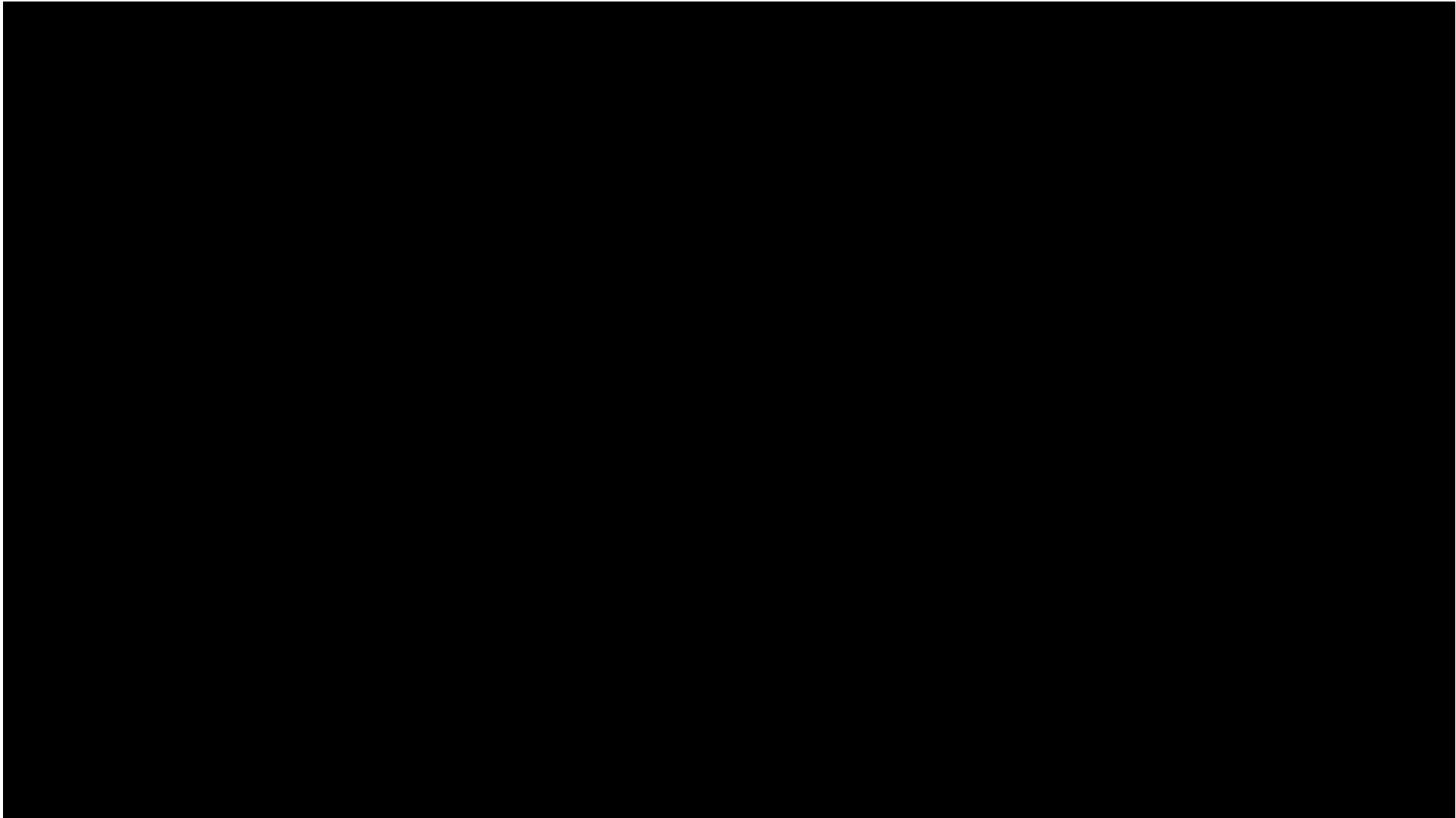


Când avem mai mult de un scripete, unul se numește scripete conducător (cel pe care îl rotim) și celălalt este scripete condus (cel care se rotește de la sine).

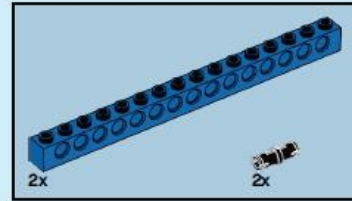
Se mișcă în aceeași sens sau în sensuri diferite?



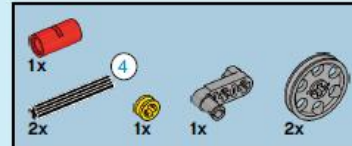
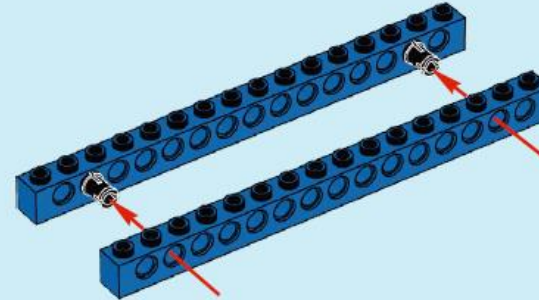
Cum putem construi un scripete?



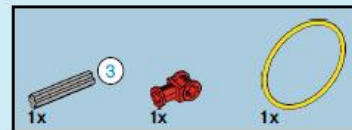
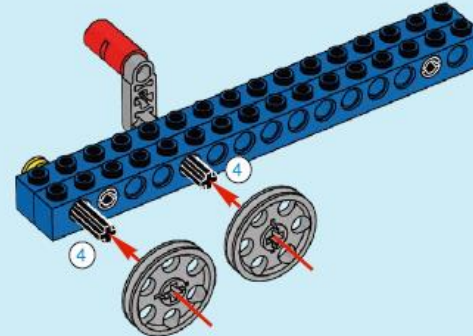
C1



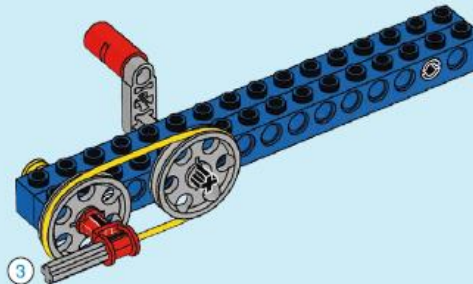
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2

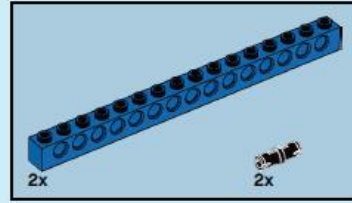


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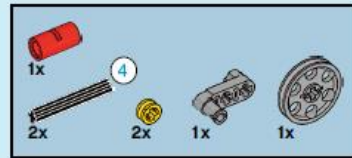
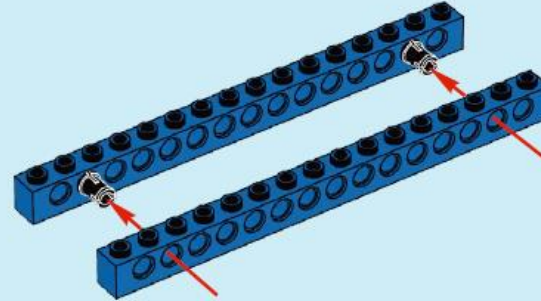


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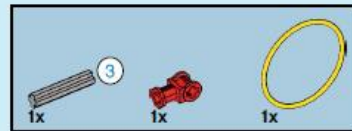
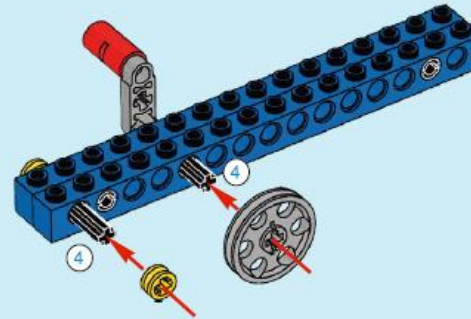
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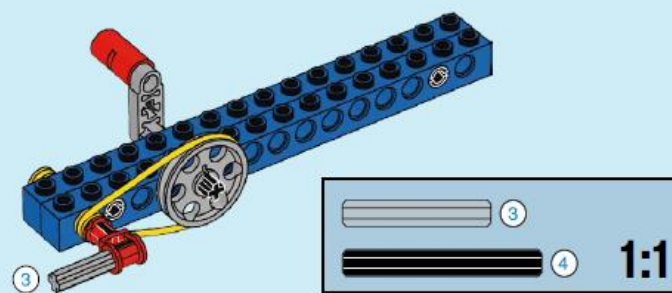
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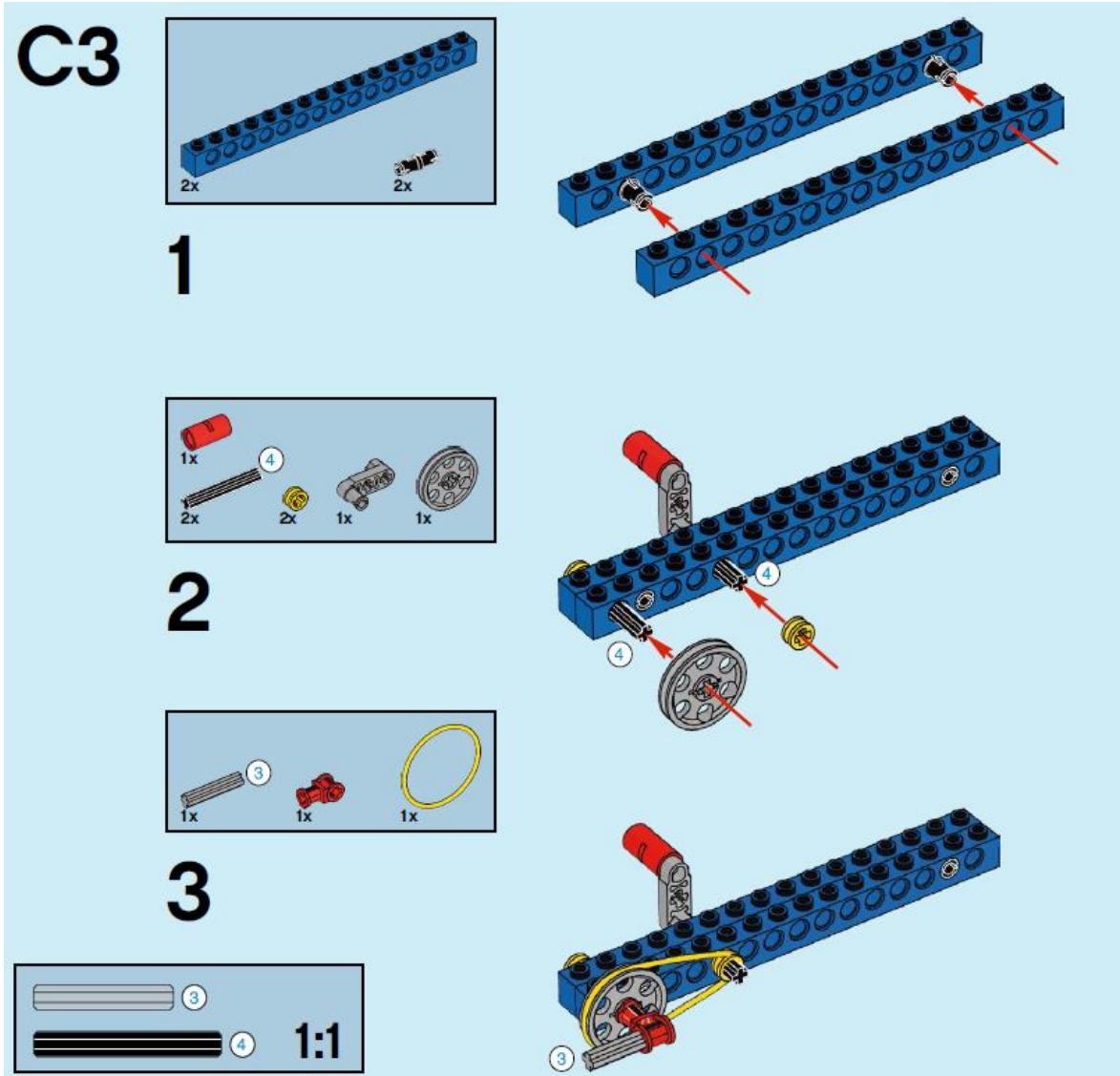


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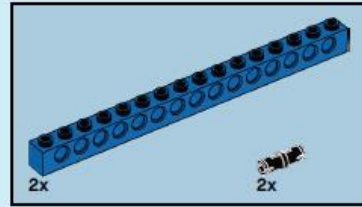


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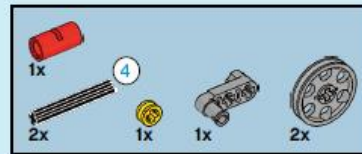
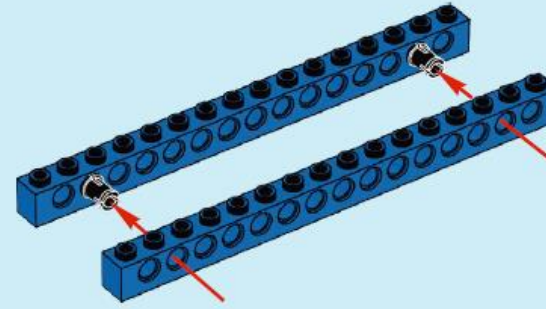




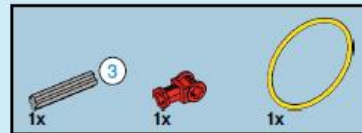
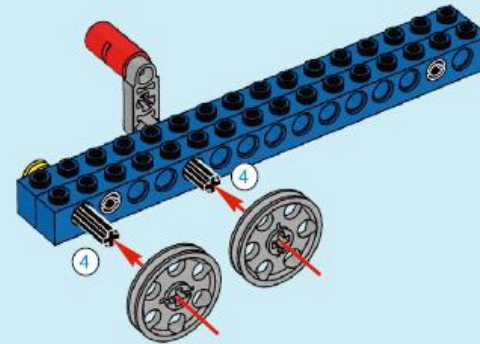
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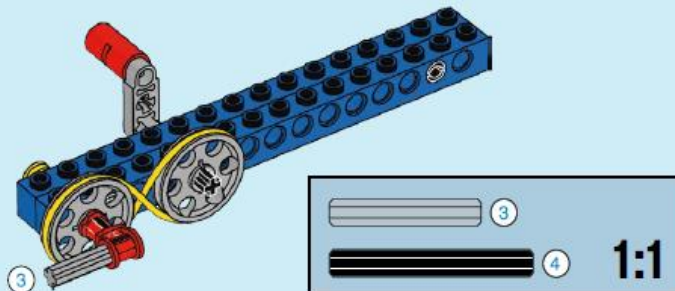
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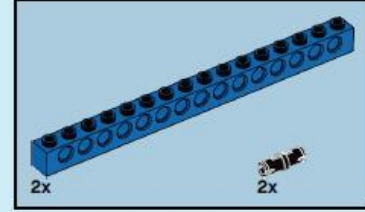
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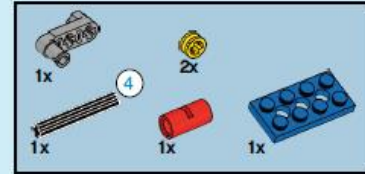
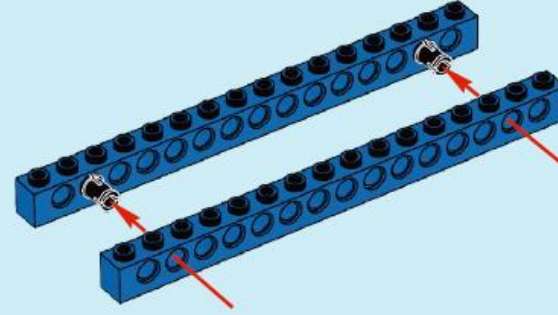
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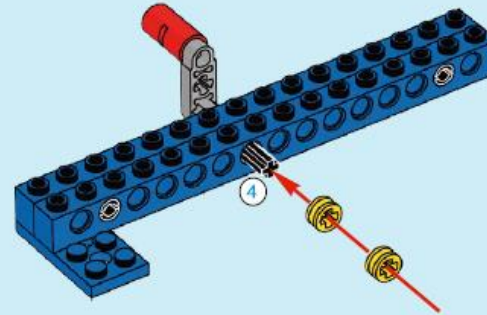
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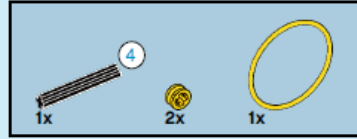


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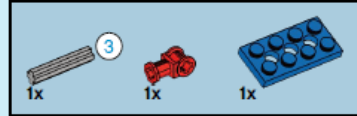
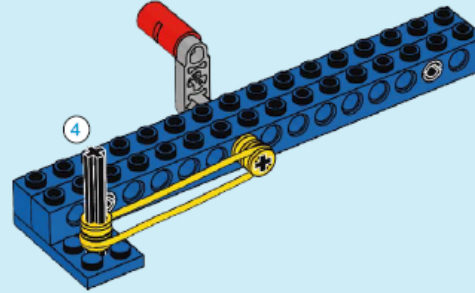


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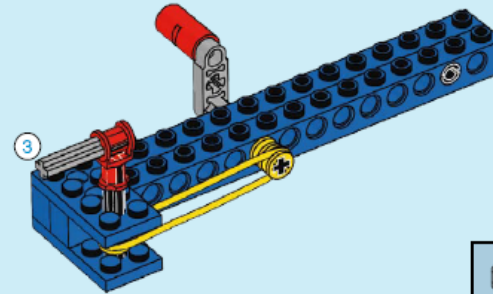




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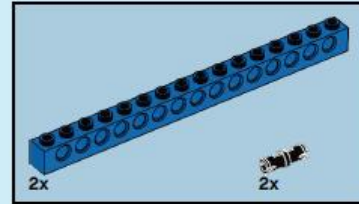
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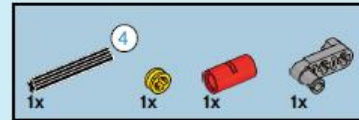
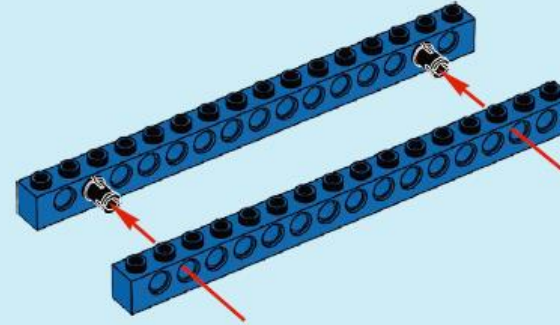
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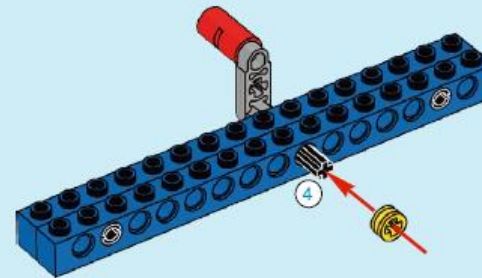
C6



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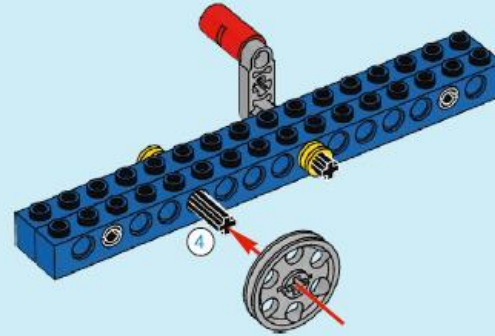


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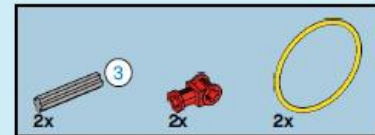
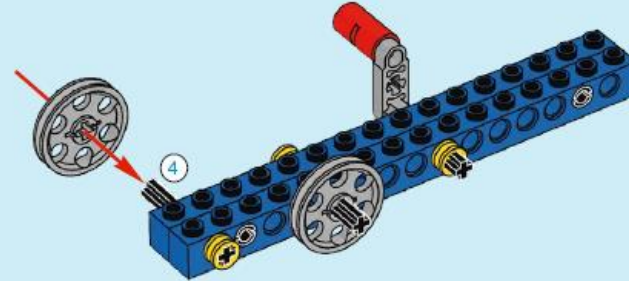




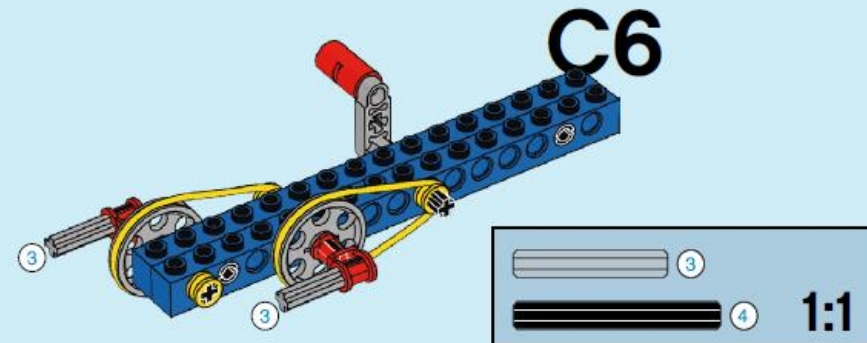
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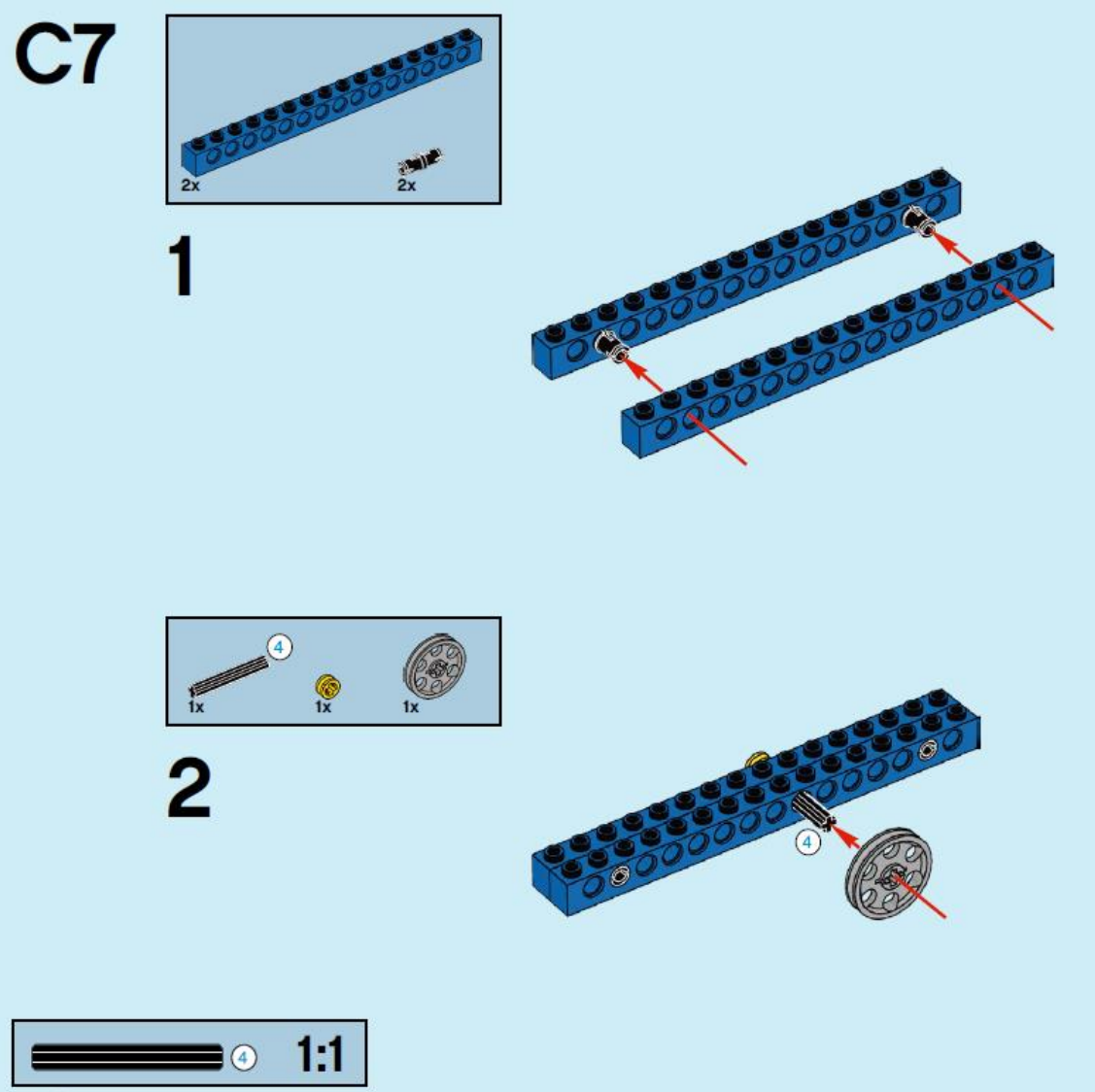


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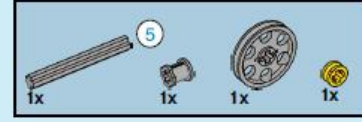
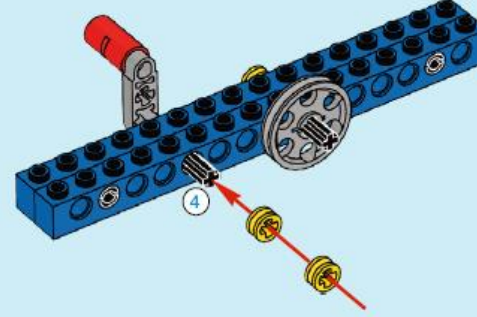
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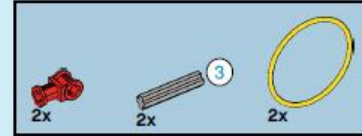
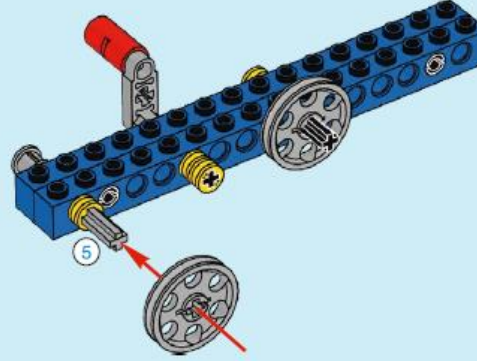




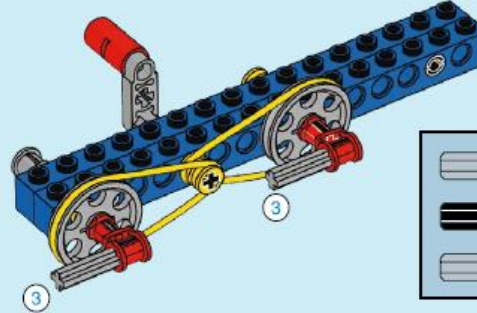
3



4



5



C7



*Când terminați foaia de lucru
dezasamblați-vă construcția
și puneți toate părțile la locul lor!*

