



Απλές Μηχανές



Τί είναι ο φυσικός
δορυφόρος;



Φυσικός δορυφόρος ή φεγγάρι ονομάζουμε κάθε φυσικό ουράνιο σώμα που περιφέρεται γύρω (σε τροχιά) από έναν πλανήτη ή άλλο ουράνιο σώμα.

Ο φυσικός δορυφόρος ή φεγγάρι της Γης είναι η Σελήνη!



Τί είναι ο τεχνητός δορυφόρος;

Ένας τεχνητός δορυφόρος είναι μία κατασκευή, που έχει δημιουργηθεί από τον άνθρωπο και έχει τοποθετηθεί σε τροχιά γύρω από τη Γη (ή κάποιο άλλο ουράνιο σώμα)!



Στις 4 Οκτωβρίου 1957 εκτοξεύτηκε ο πρώτος τεχνητός δορυφόρος της Γης, ο Σοβιετικός [Σπούτνικ 1](#).

Η ημέρα αυτή θεωρείται επίσημα ως η αρχή της εποχής του διαστήματος. Λίγο αργότερα ακολούθησε και ο Αμερικάνικος [Εξπλόρερ 1](#).



Οι τεχνητοί δορυφόροι στέλνουν σήματα στη Γη για να μας βοηθήσουν να βρούμε το δρόμο μας (σύστημα GPS), για να μας ενημερώσουν για τον καιρό, για να μας επιτρέψουν να δούμε το τηλεοπτικό κανάλι θέλουμε κ.α.



Στη Γη μπορούμε να λάβουμε τα σήματα που στέλνουν οι τεχνητοί δορυφόροι, χρησιμοποιώντας δορυφορικά πιάτα που περιστρέφονται!



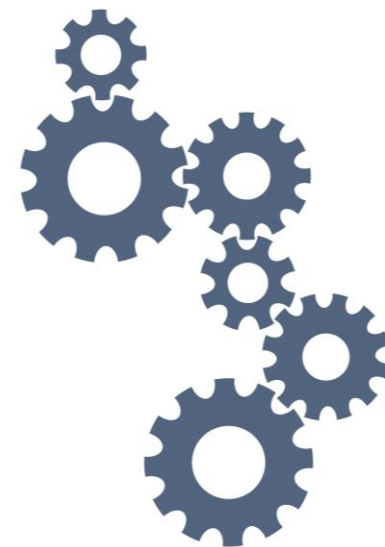
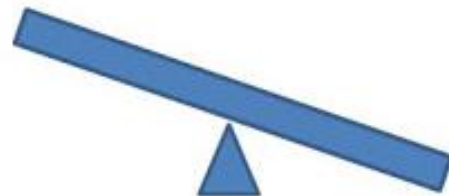
Πομπός



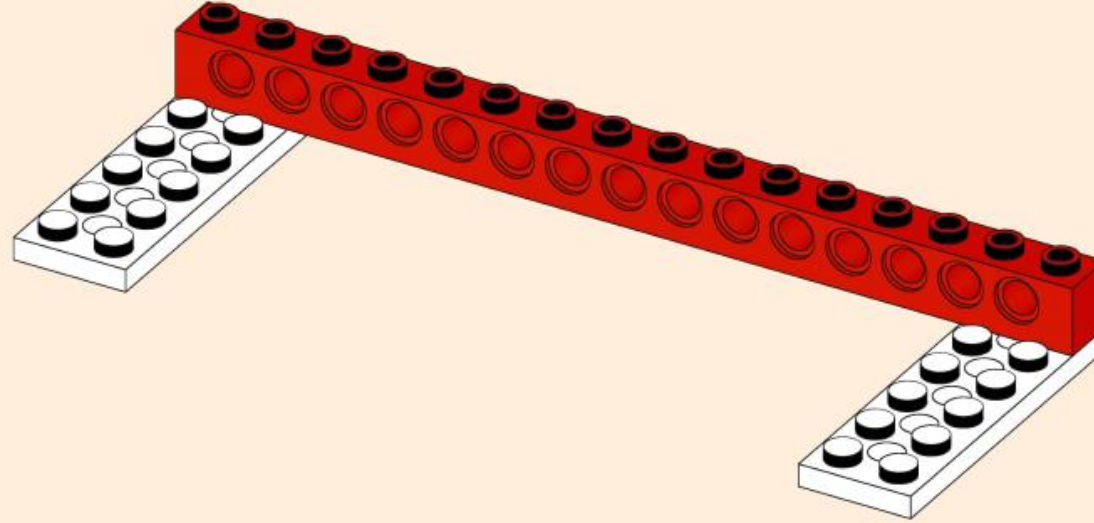
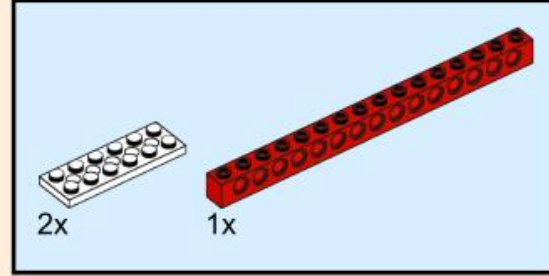
Δέκτης

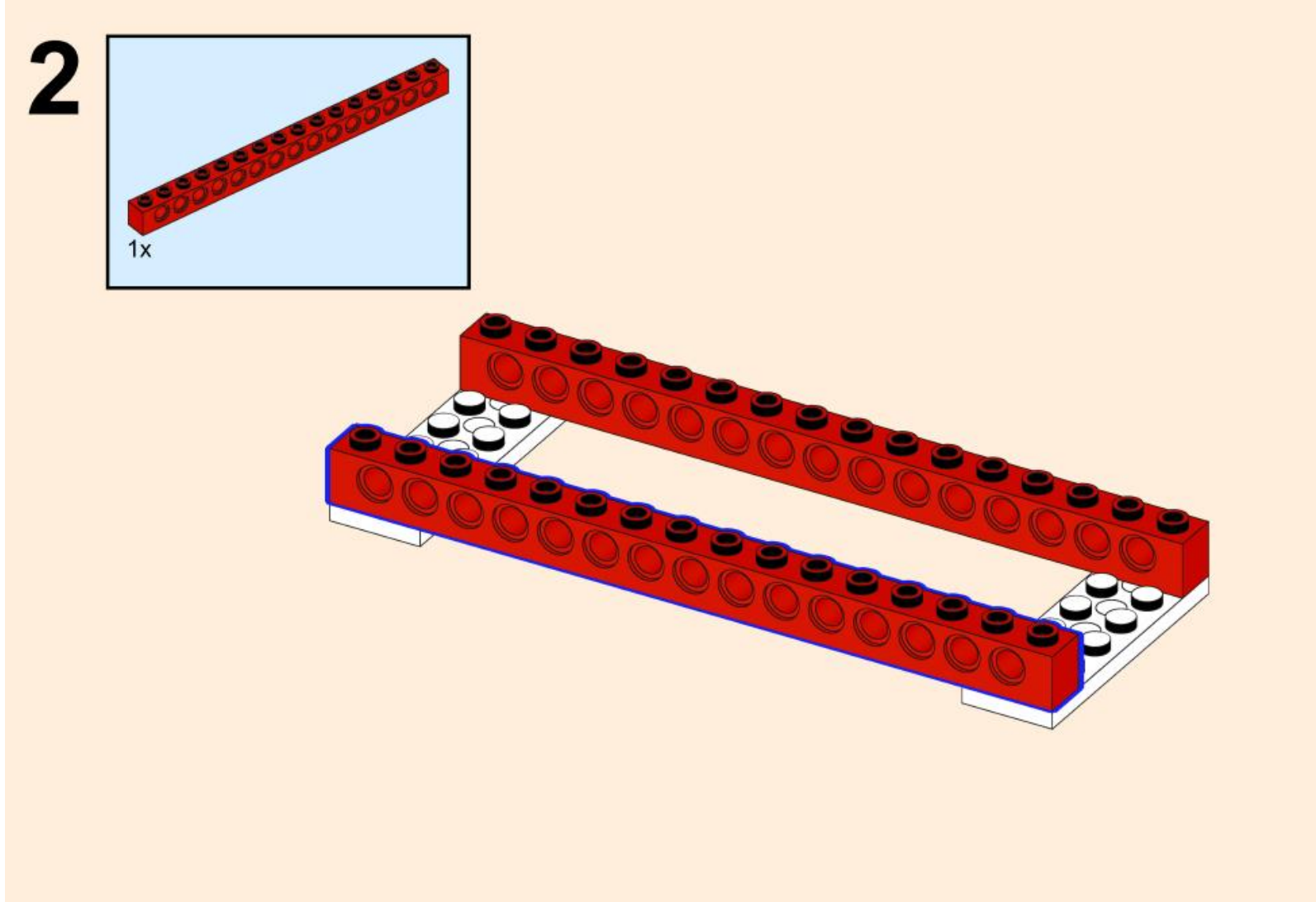
Μπορείτε να φτιάξετε ένα δορυφορικό πιάτο που περιστρέφεται;

Ποια απλή μηχανή μπορείτε να χρησιμοποιήσετε για να κάνετε το δορυφορικό πιάτο να περιστρέφεται;

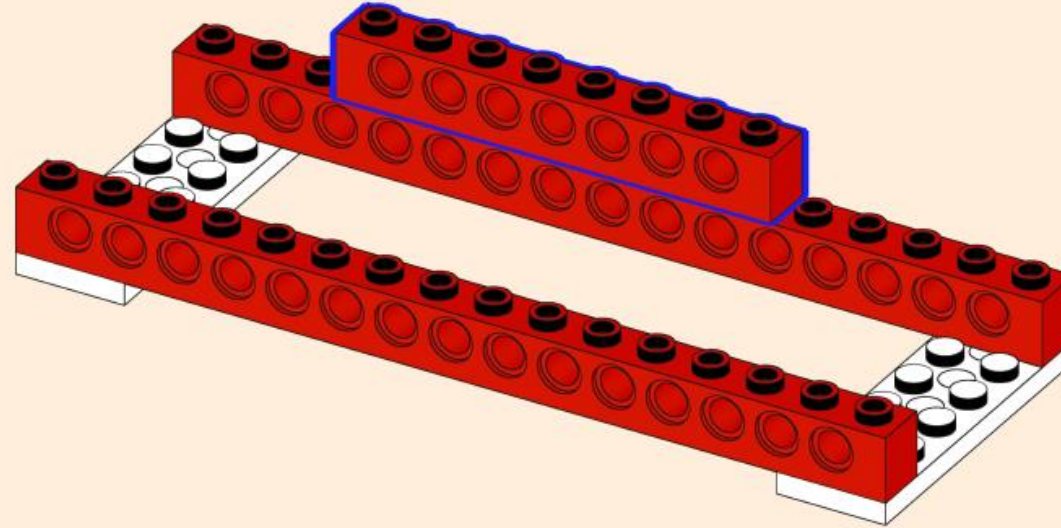
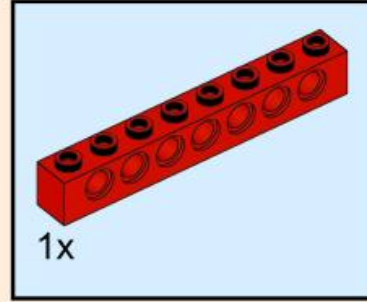


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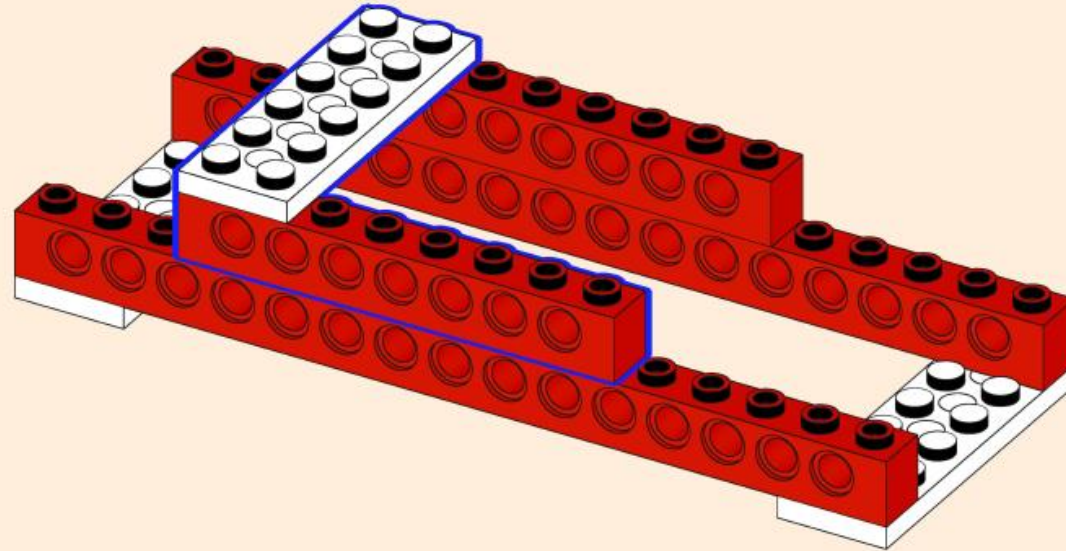
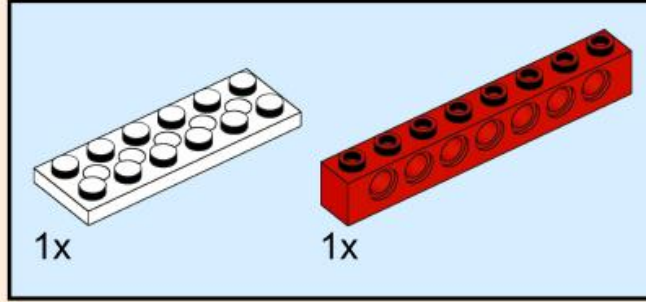




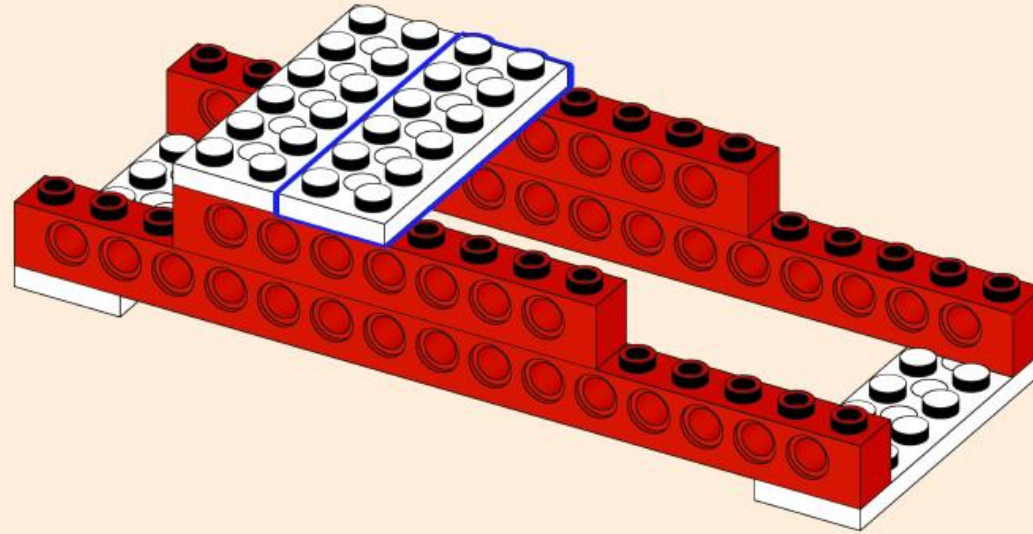
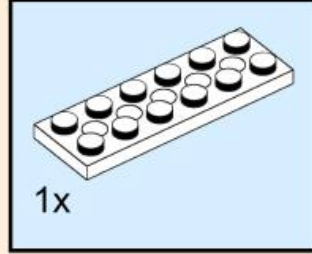
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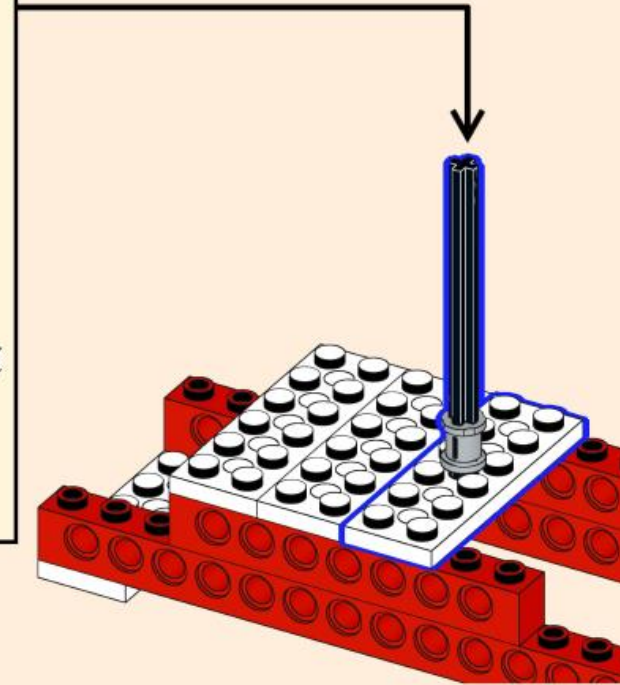
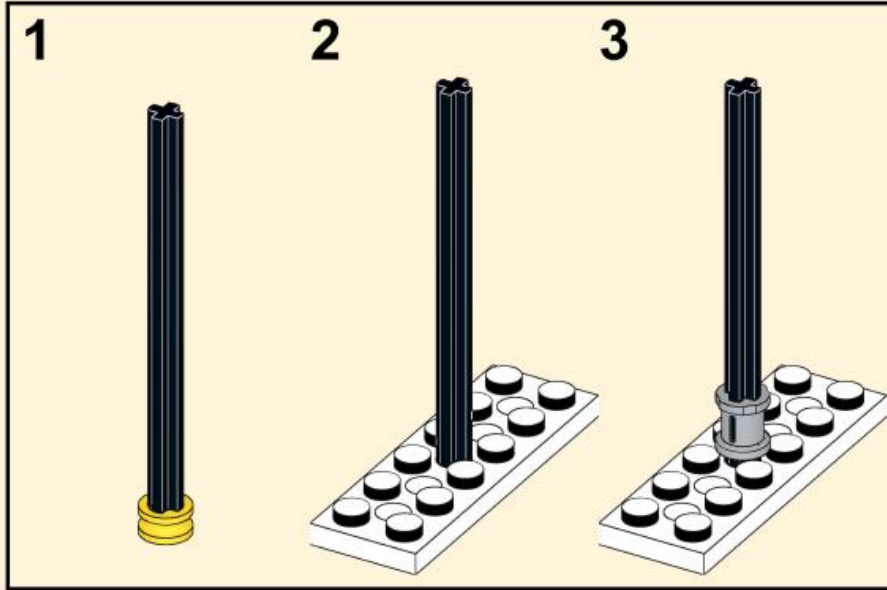
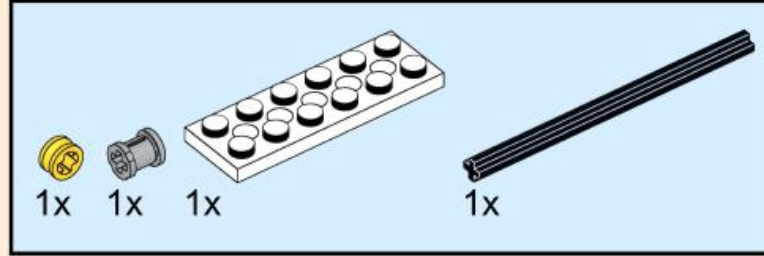
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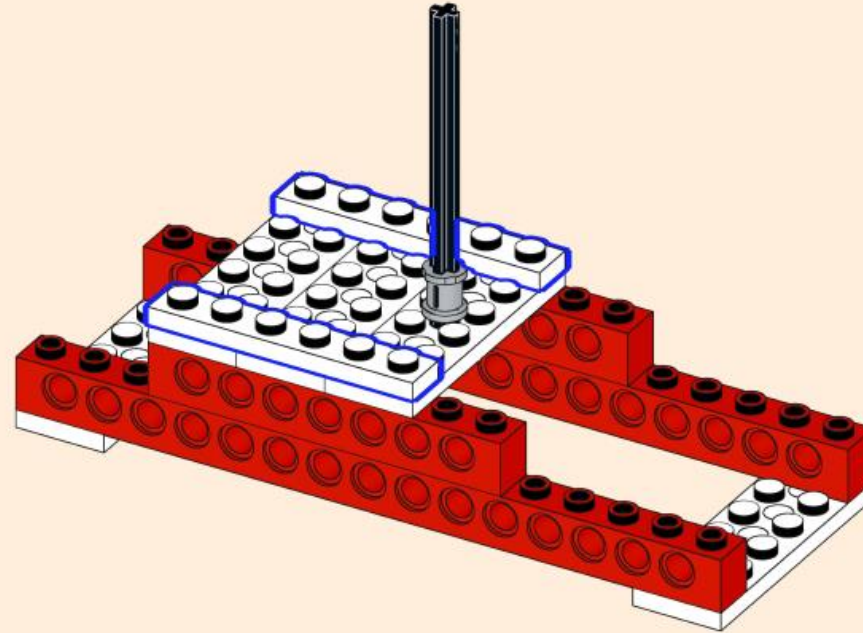
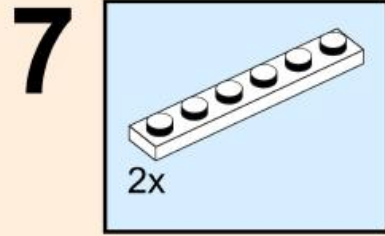


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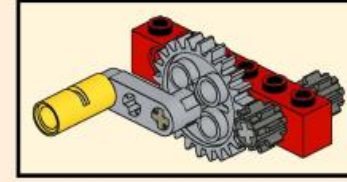
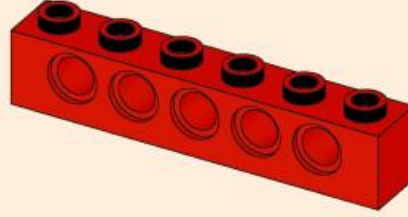
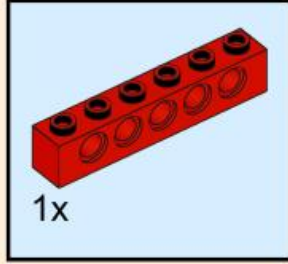


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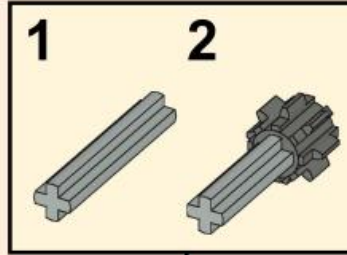
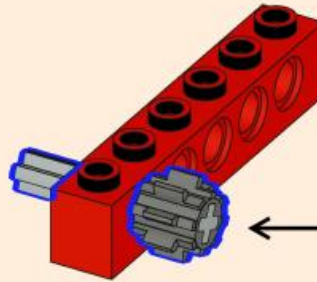
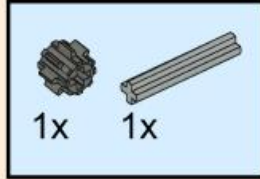




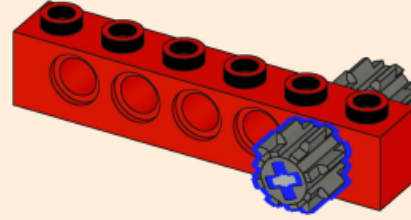
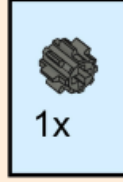
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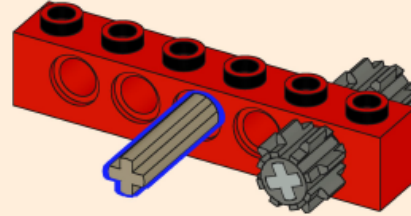
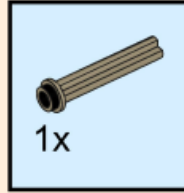
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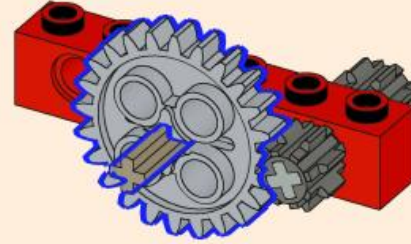
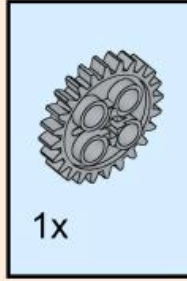
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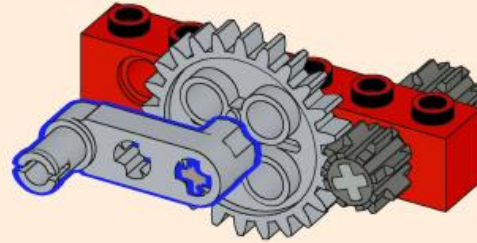
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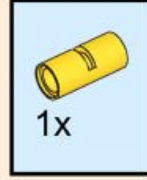
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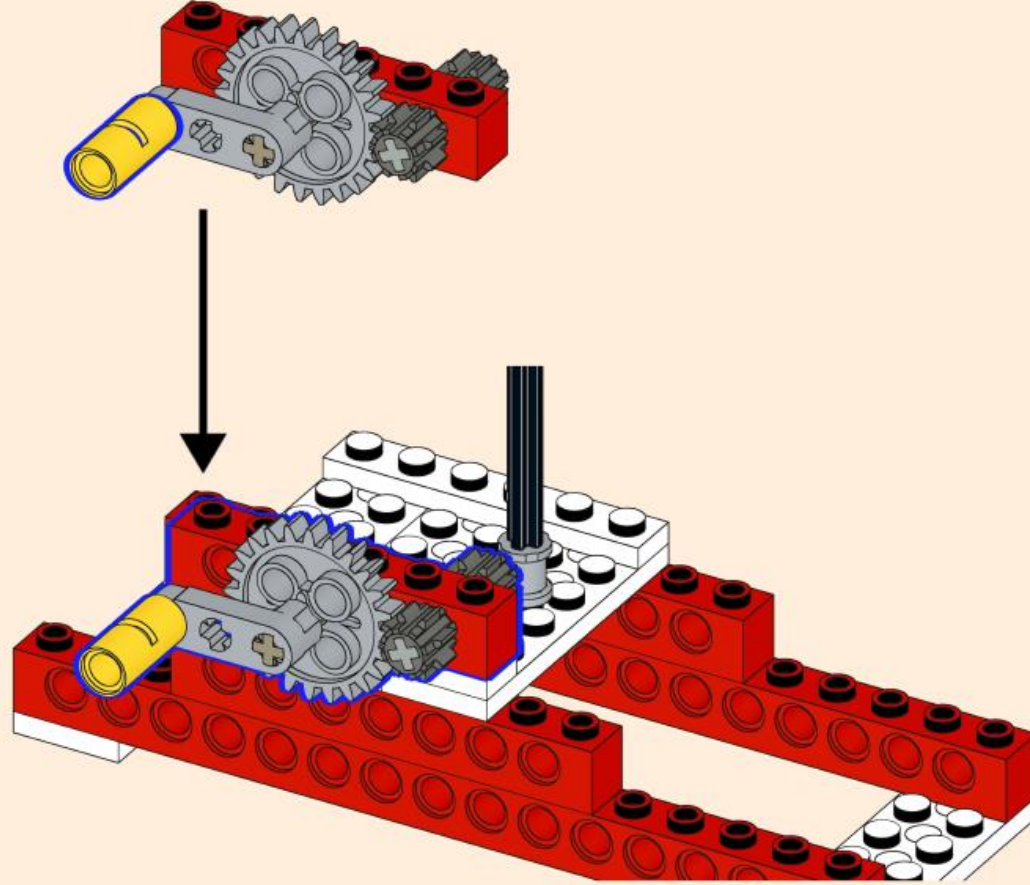
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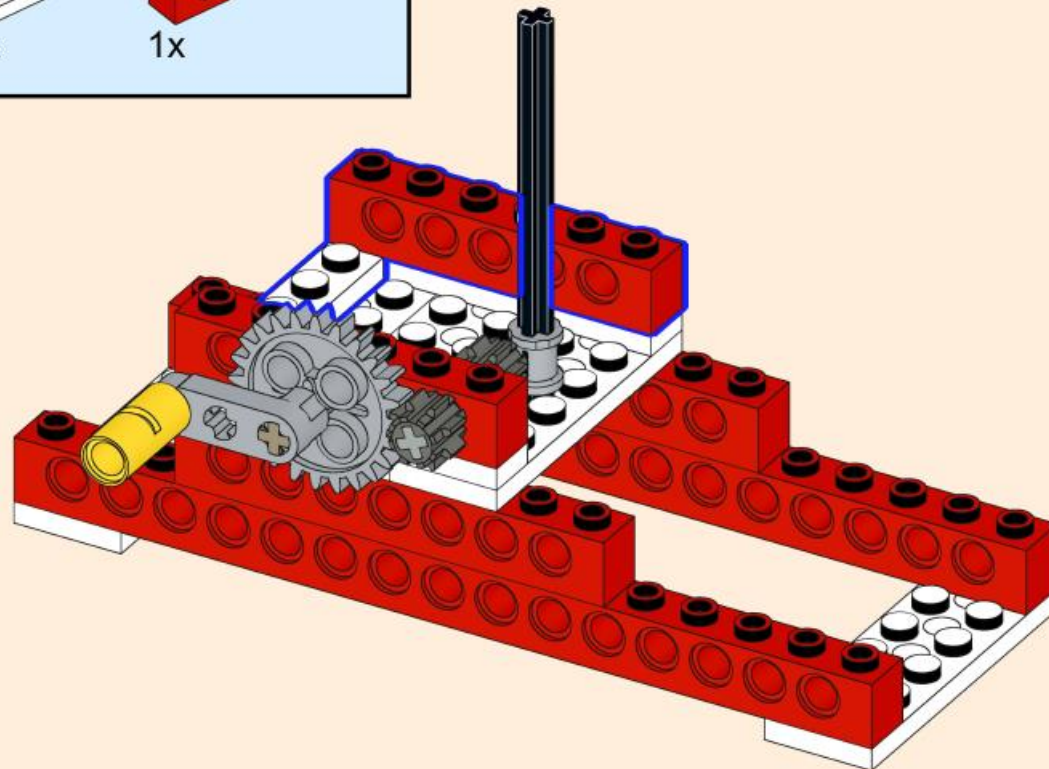
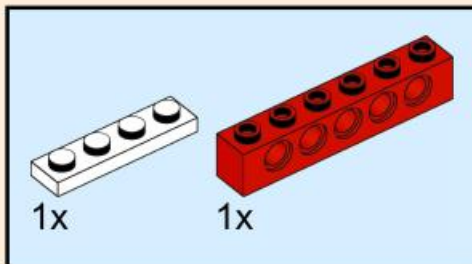
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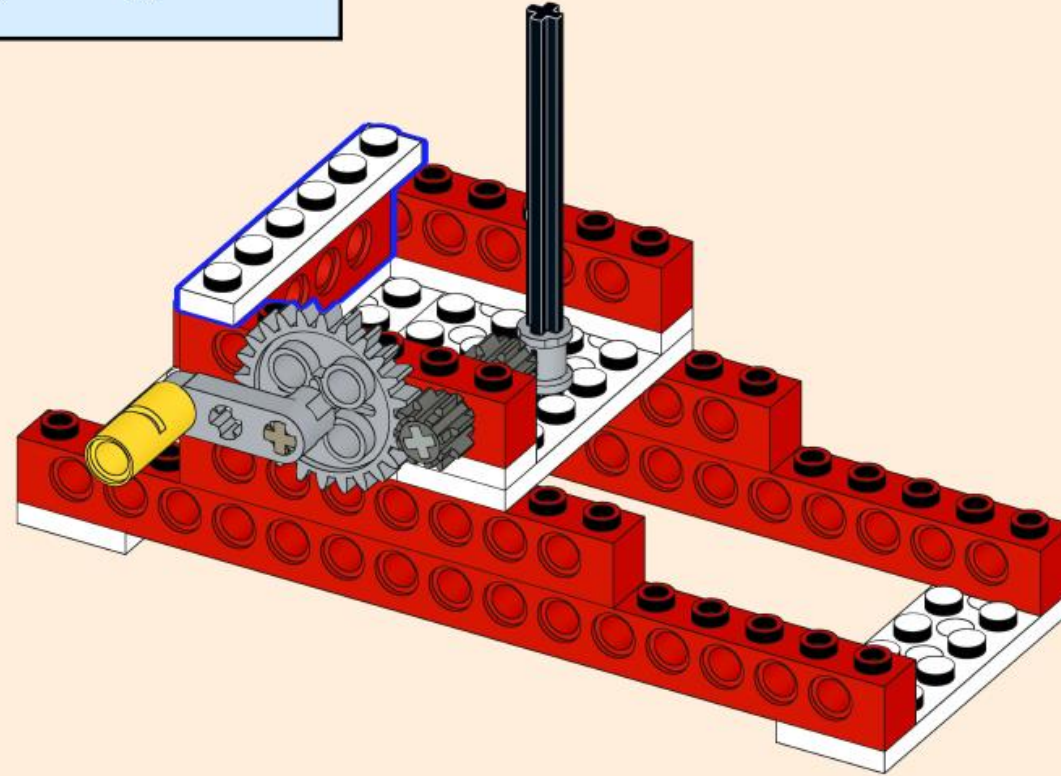
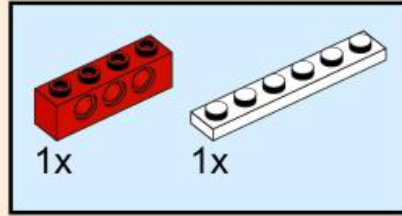
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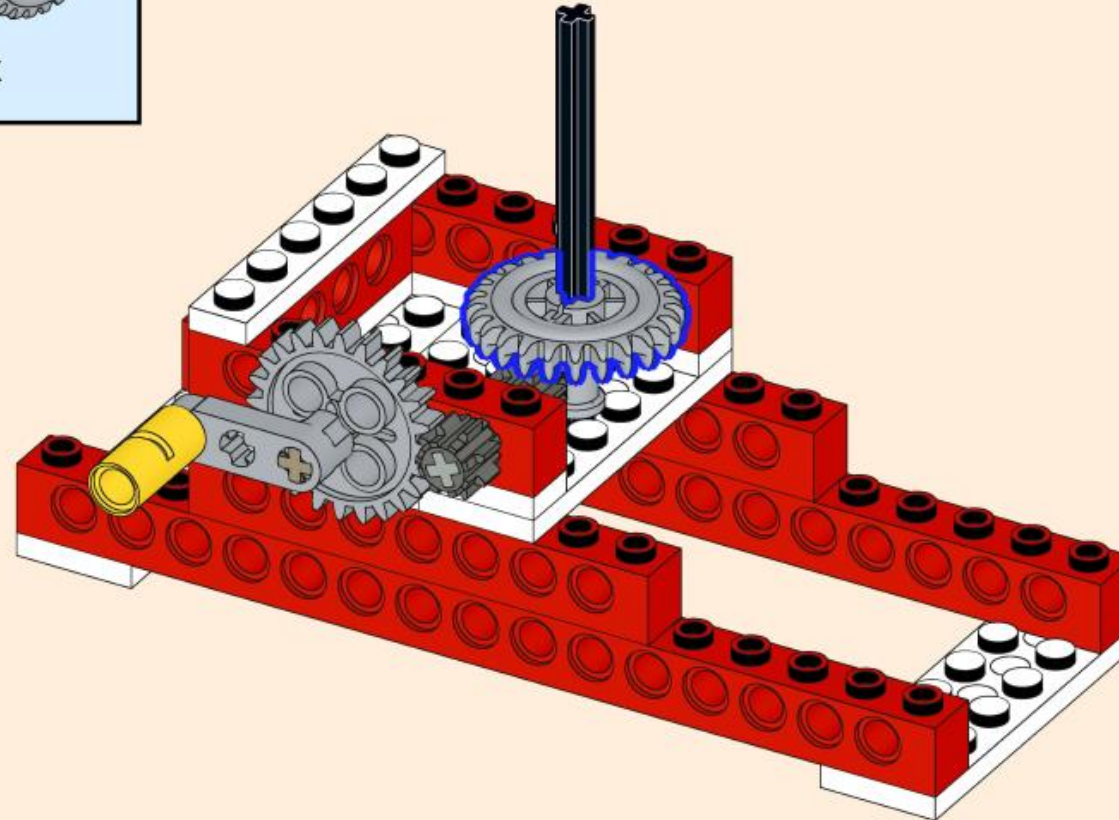
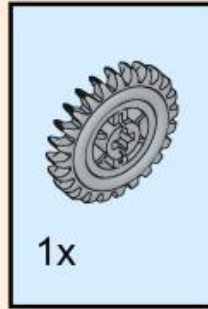
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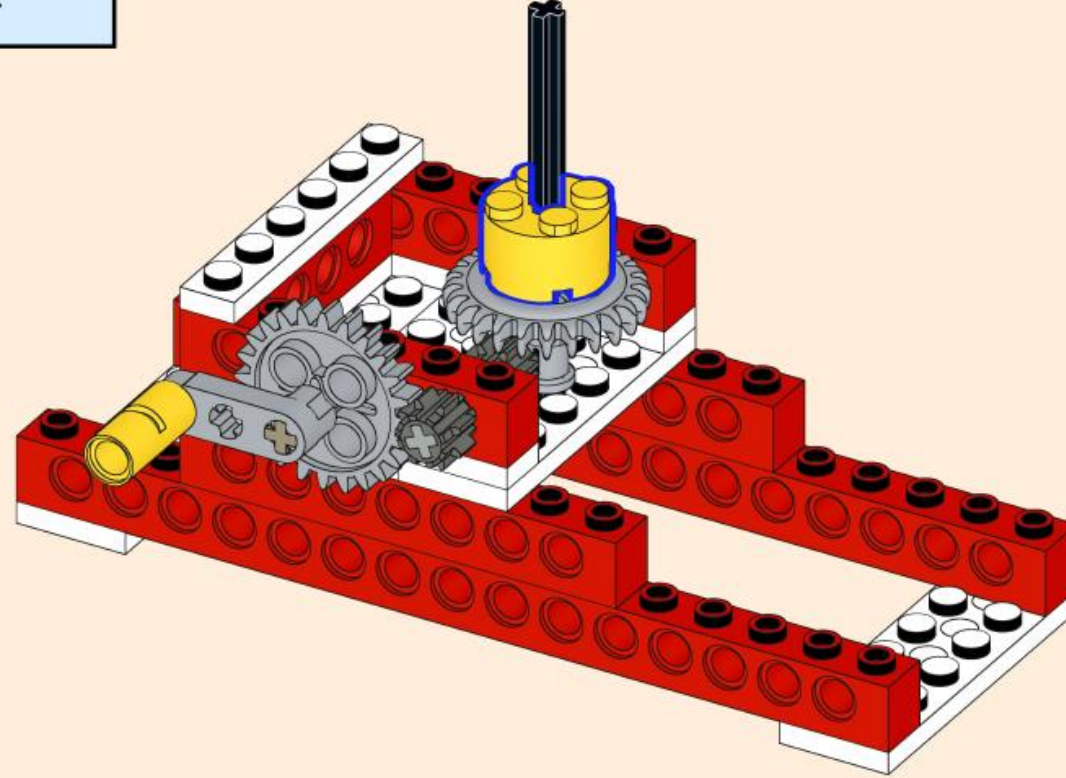
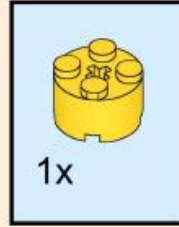
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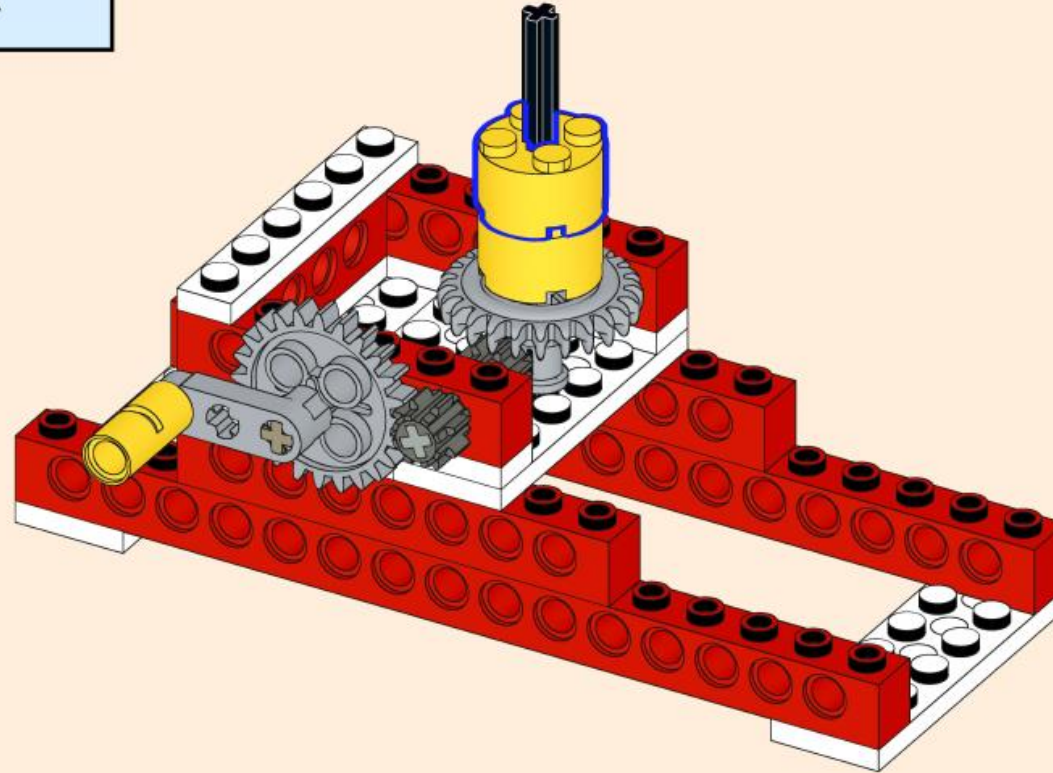
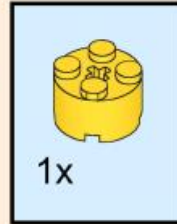
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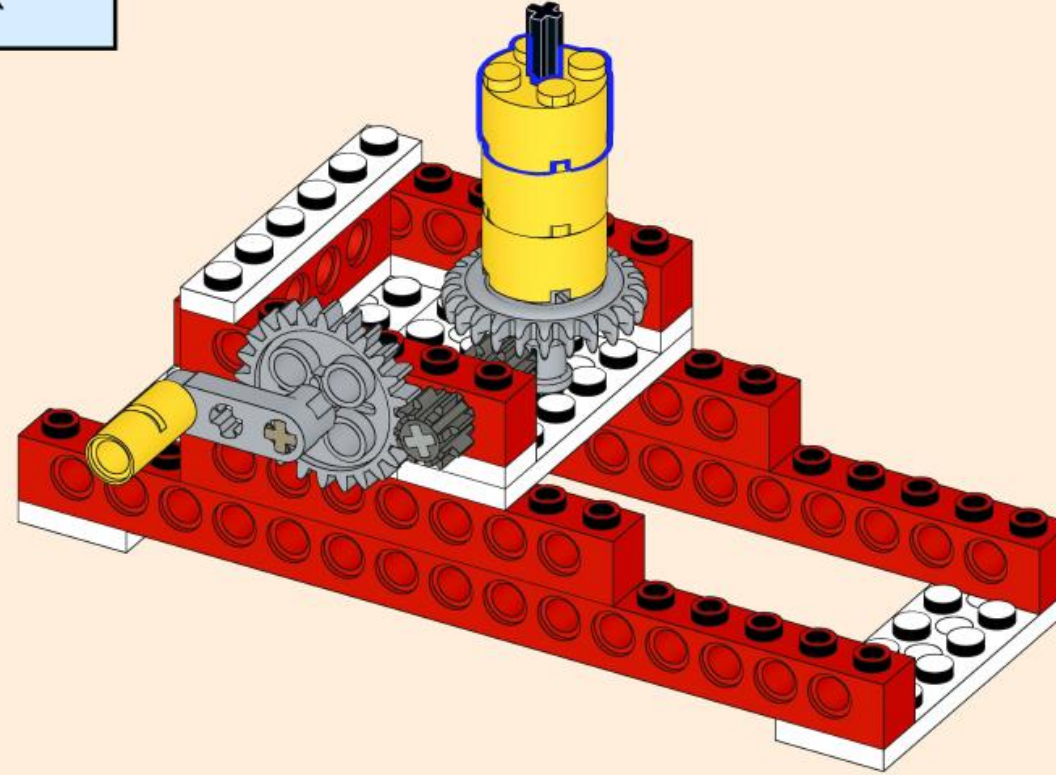
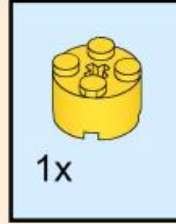
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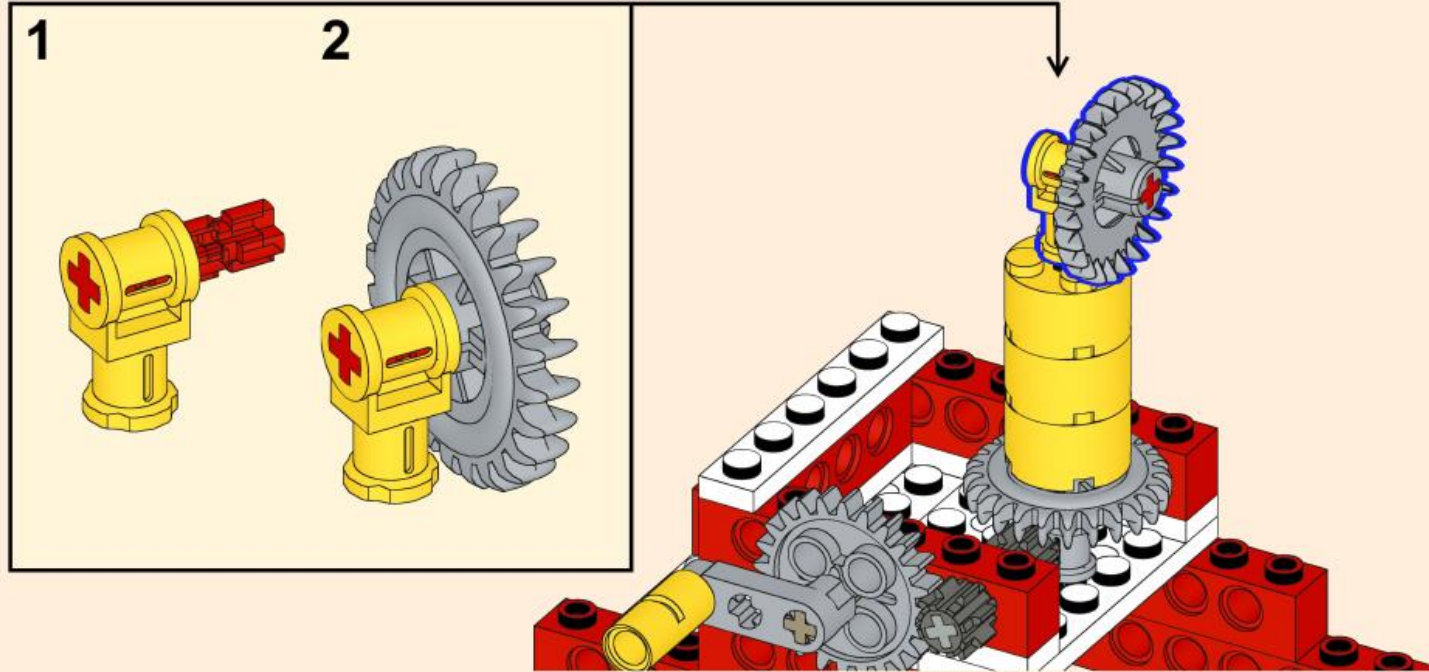
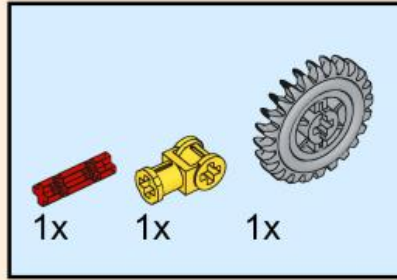
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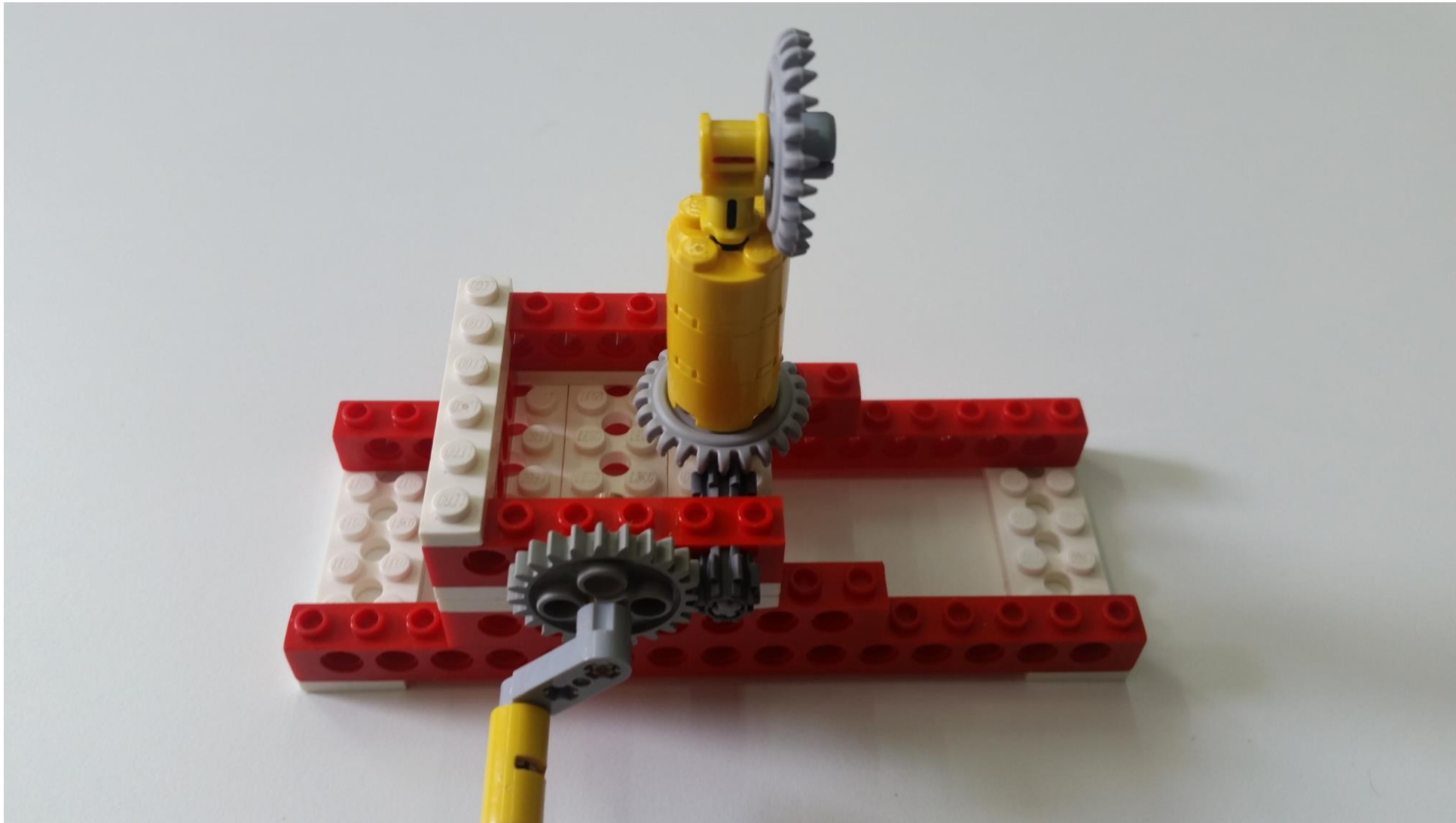


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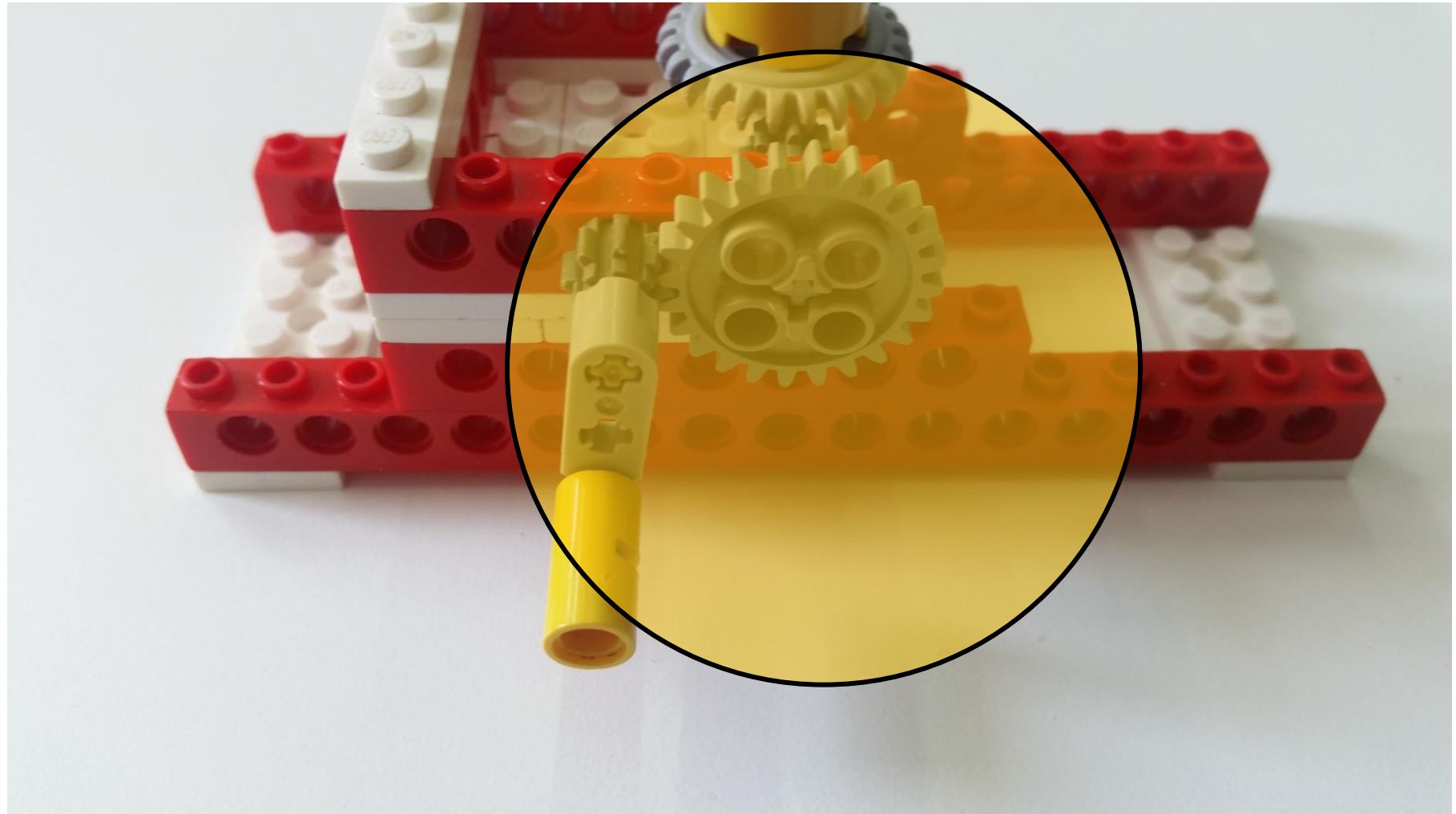


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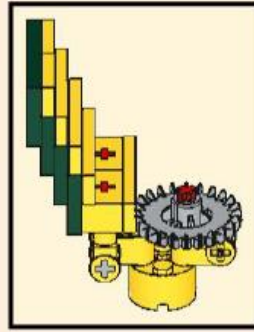


Αλλάξτε τη θέση
των δύο
γρاناζιών και
παρατηρήστε τη
διαφορά

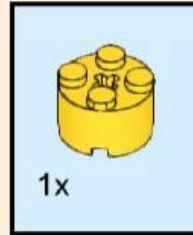


Πώς μπορούμε
να
ακολουθήσουμε
το σήμα;





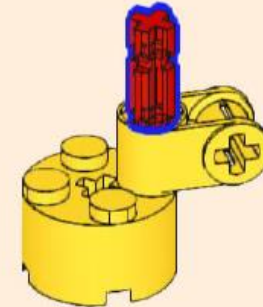
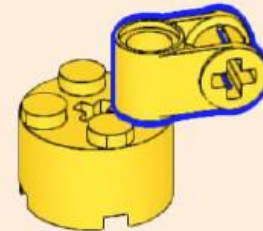
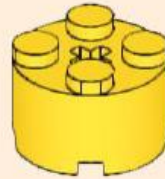
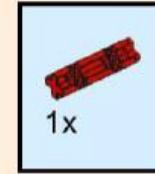
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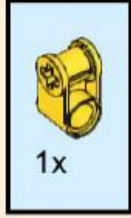


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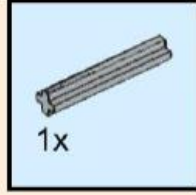


Πώς μπορούμε να ακολουθήσουμε το σήμα;

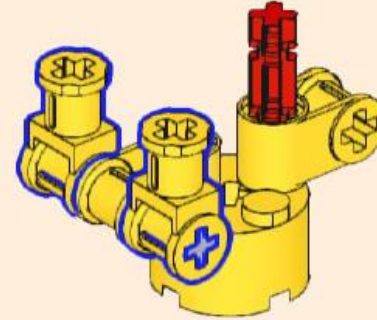
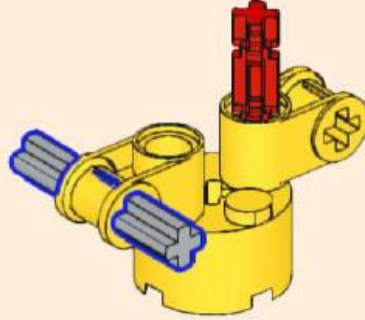
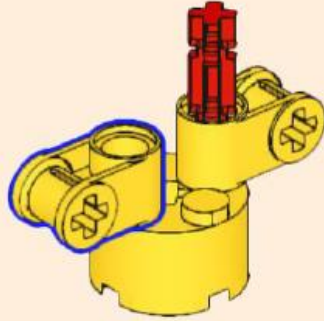
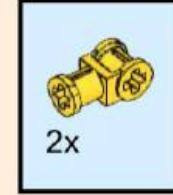
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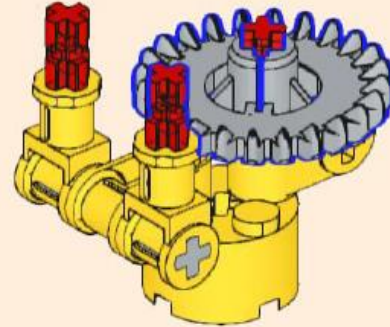
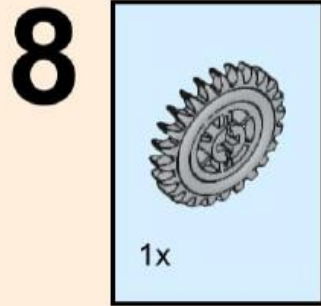
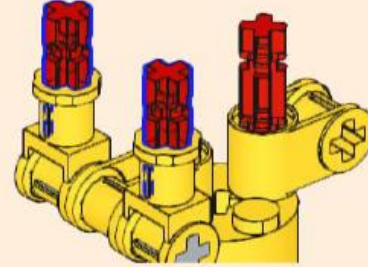
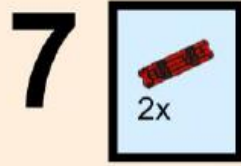


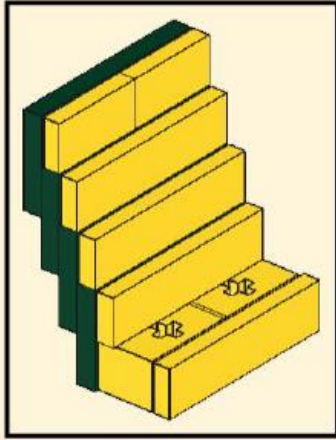
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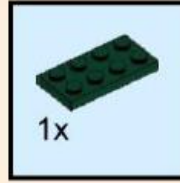
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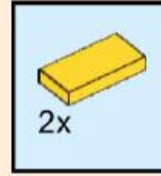




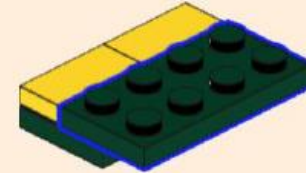
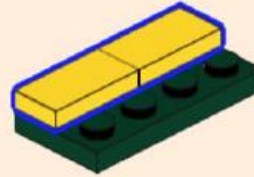
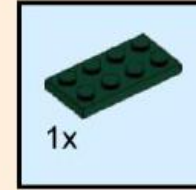
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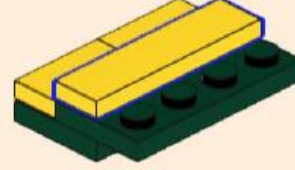
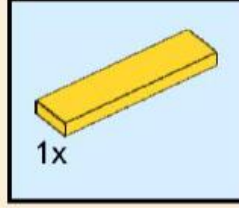
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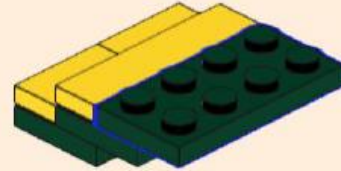
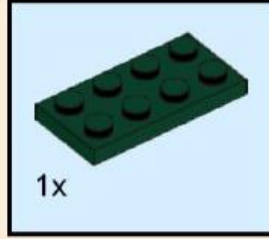
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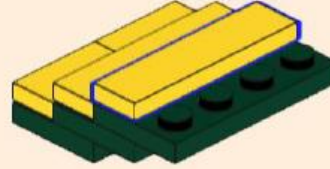
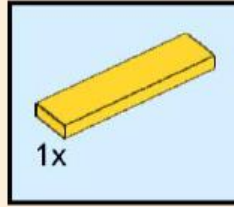
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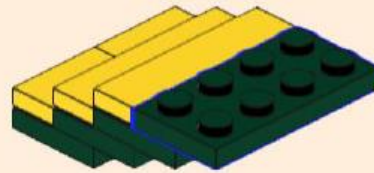
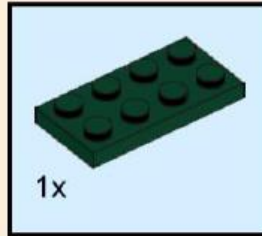
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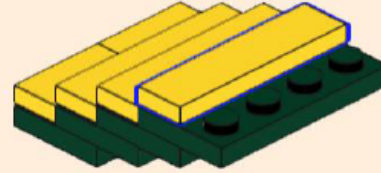
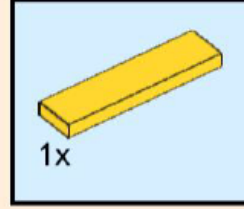
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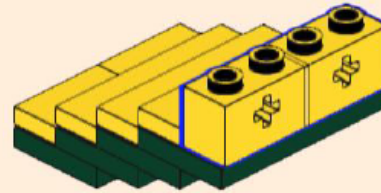
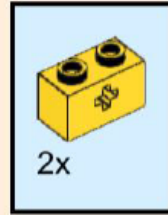
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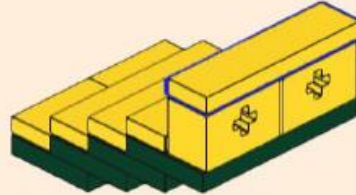
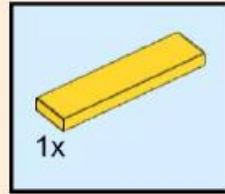
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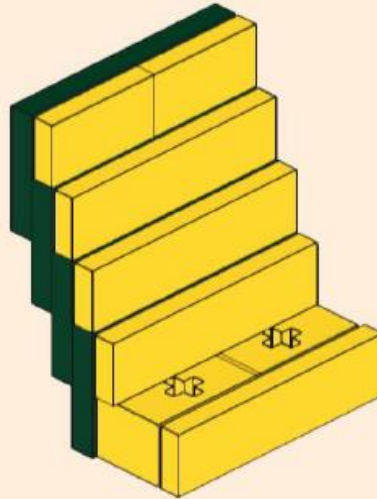
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