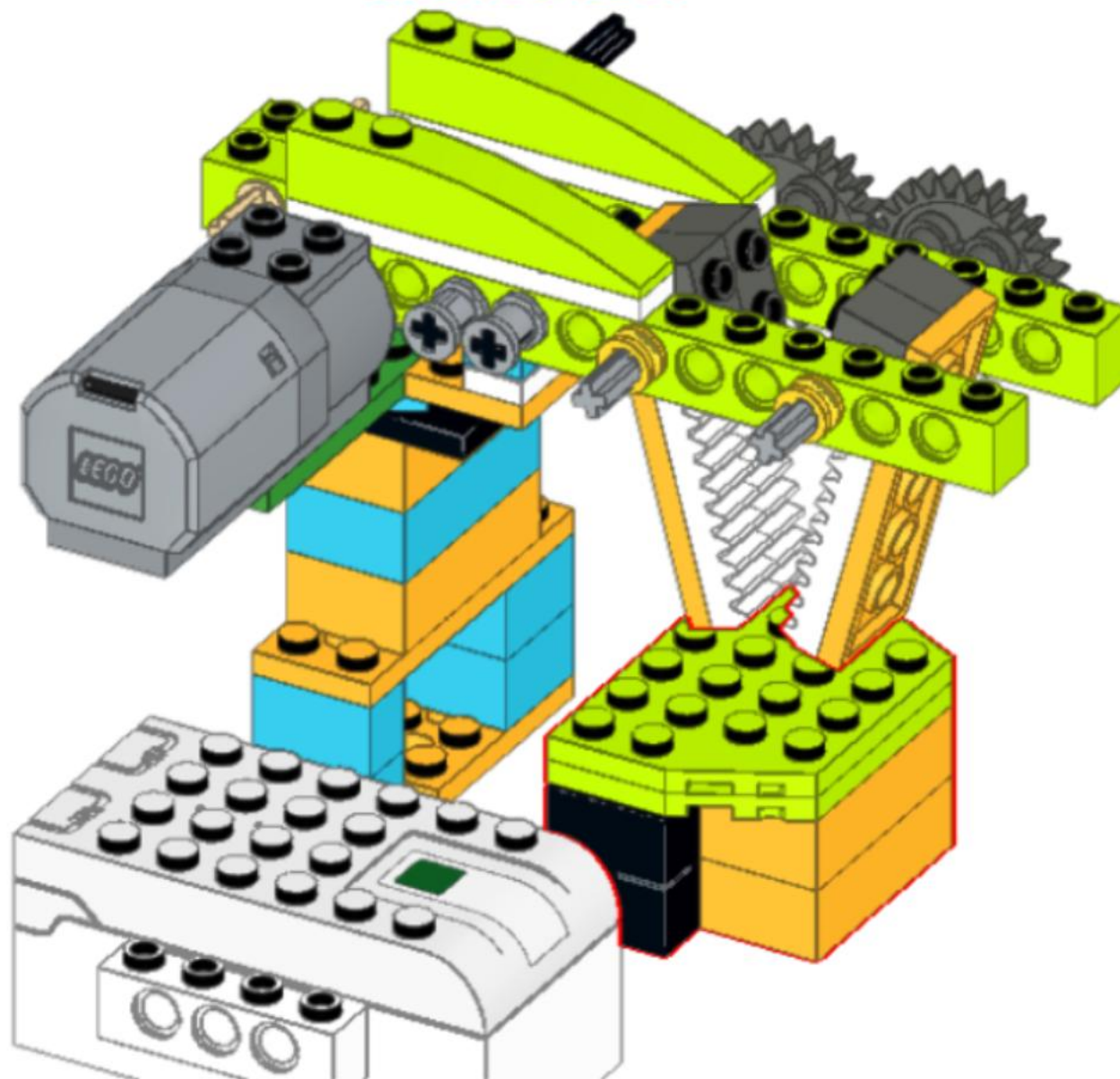




INSTRUCTIONS

ROBOTIC ARM WITH LEGO WEDO 2.0 + MICRO:BIT

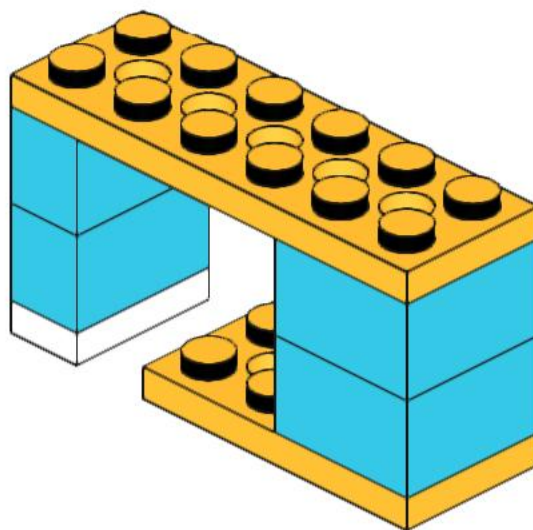
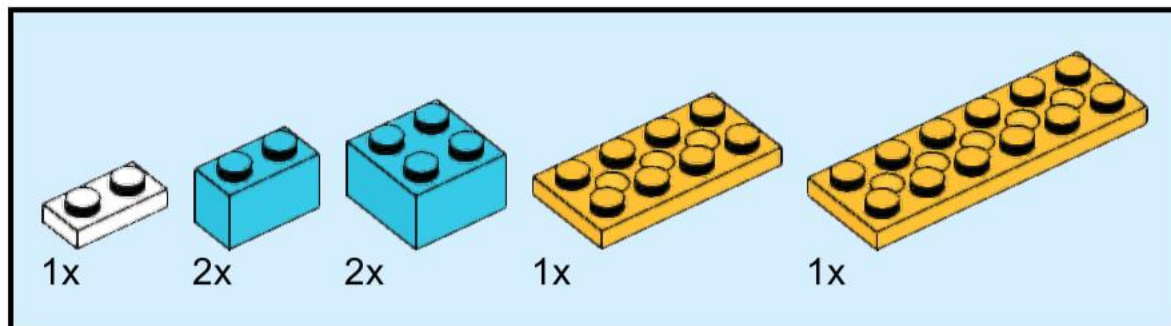


V 1.0

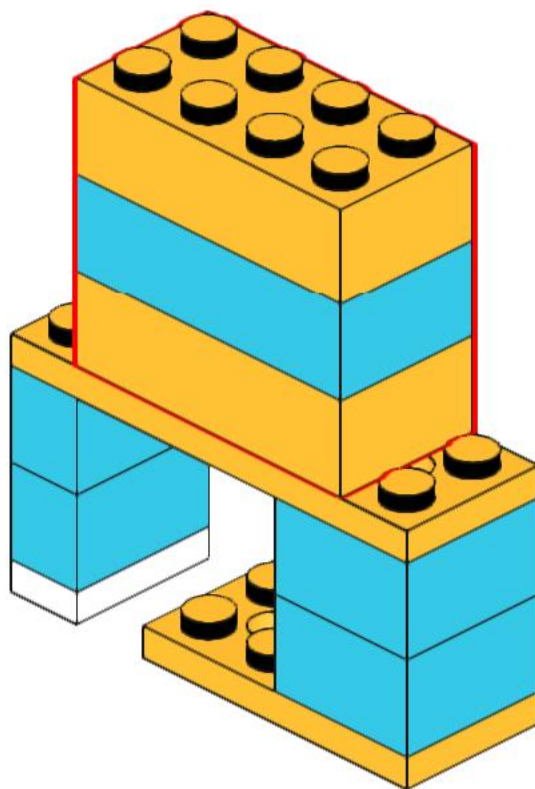
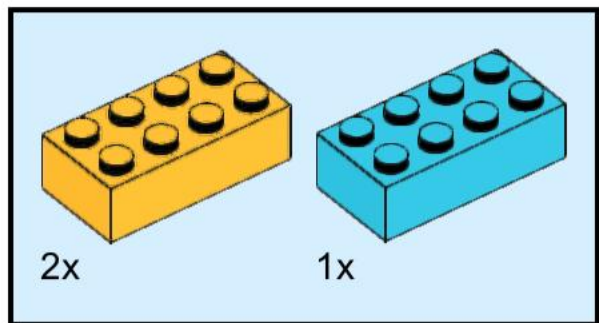
For any request contact us:

giancarlo.tech@gmail.com
<https://www.facebook.com/codingasprincess>

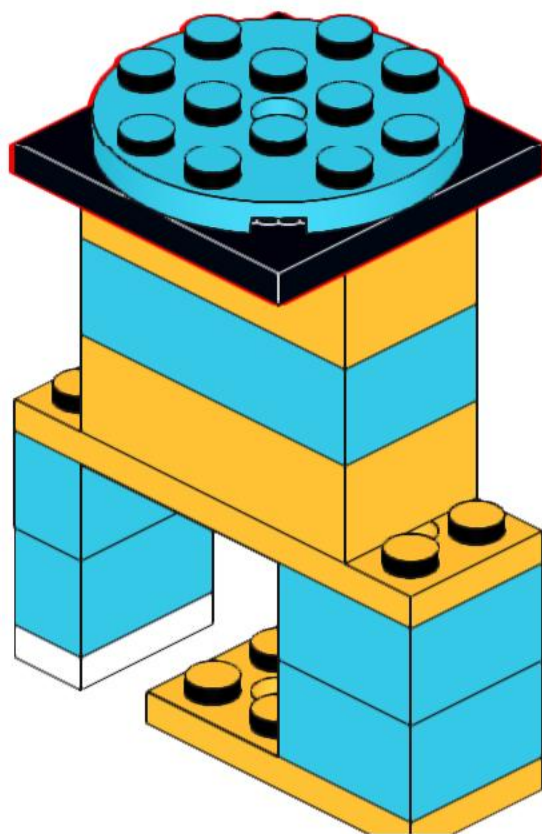
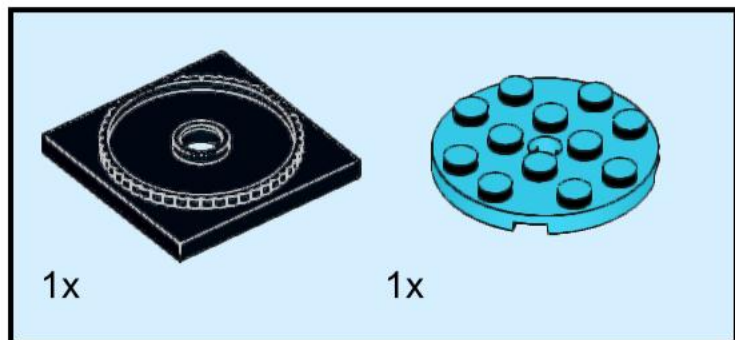
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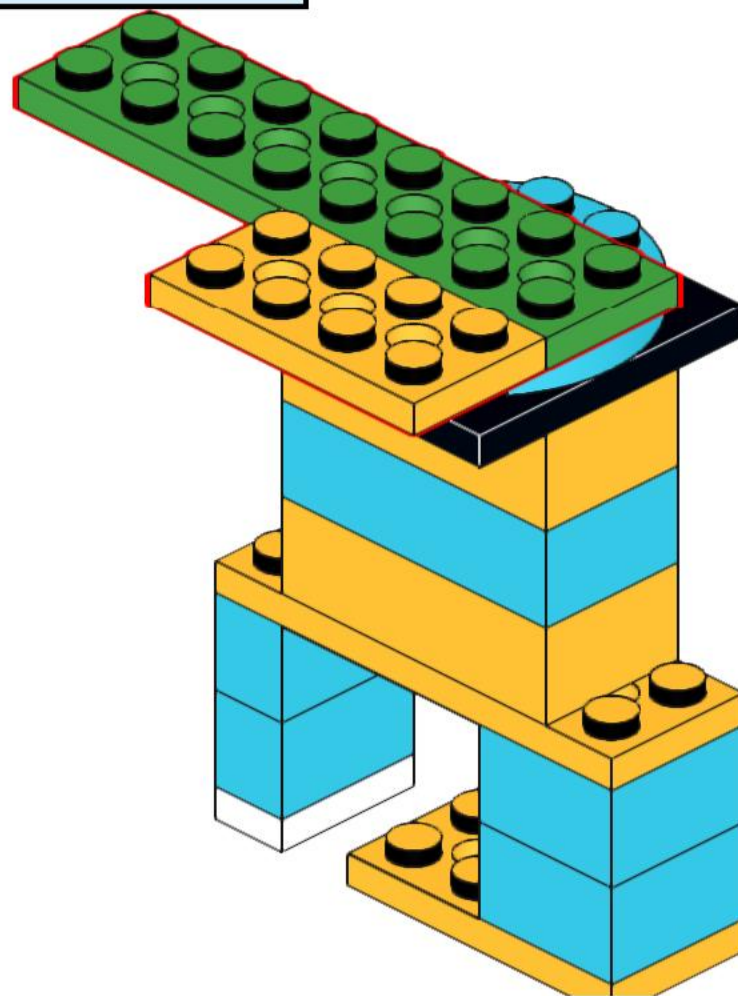
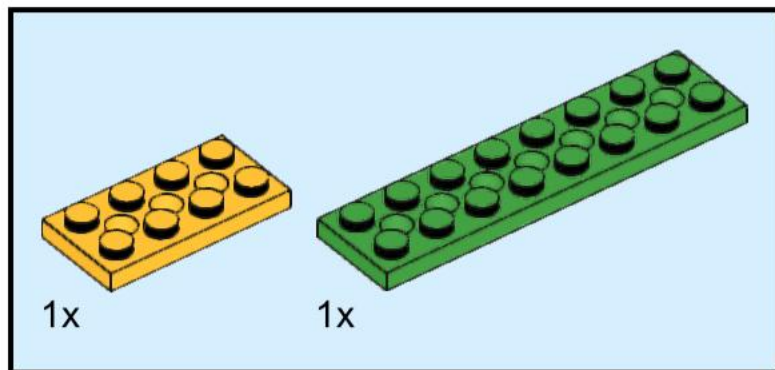
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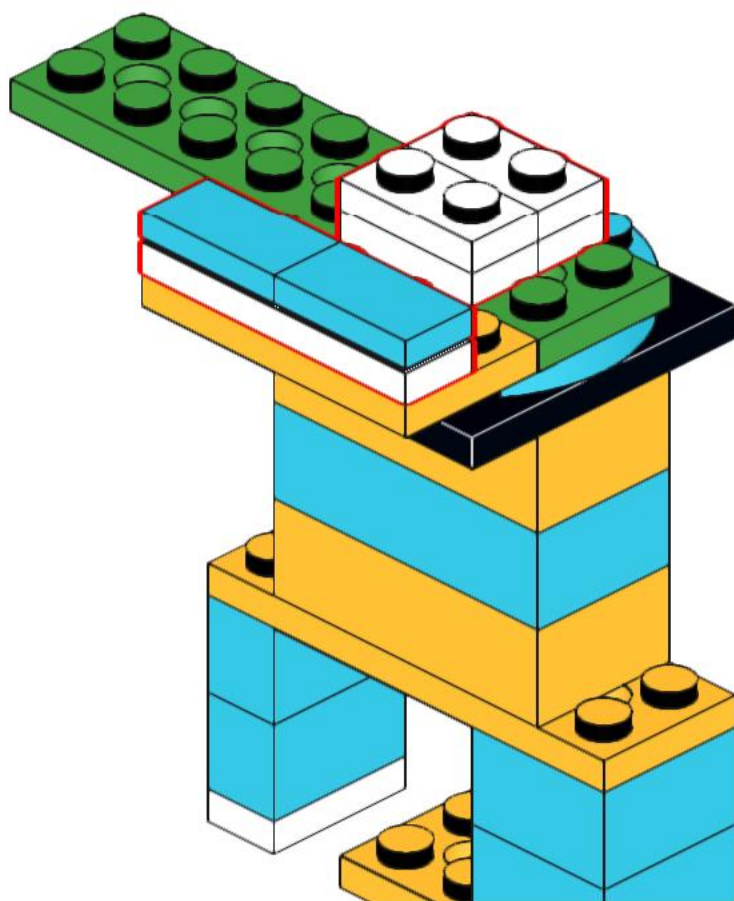
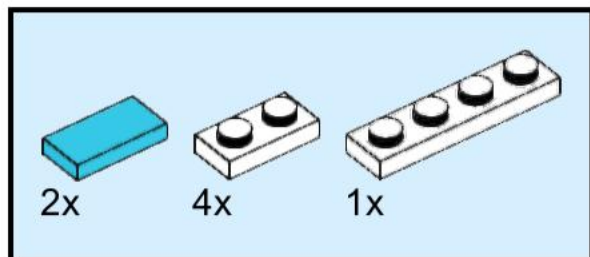
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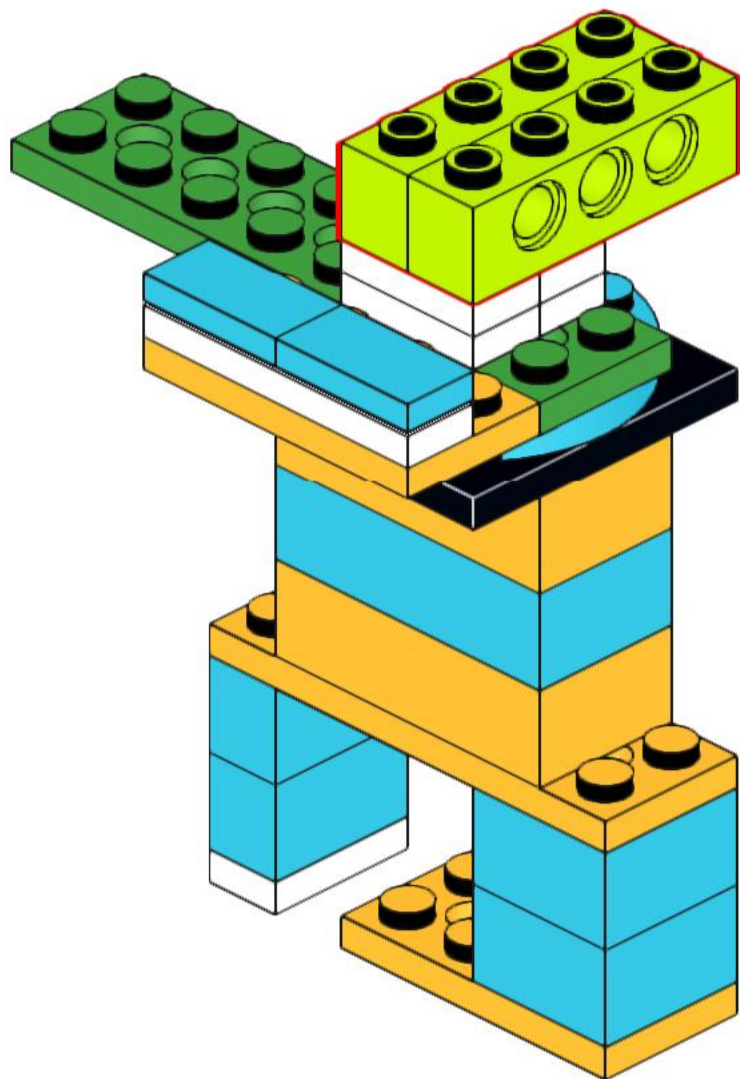
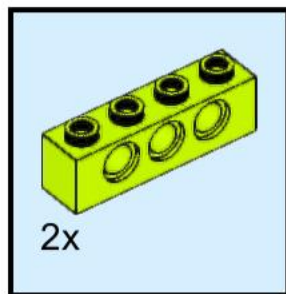
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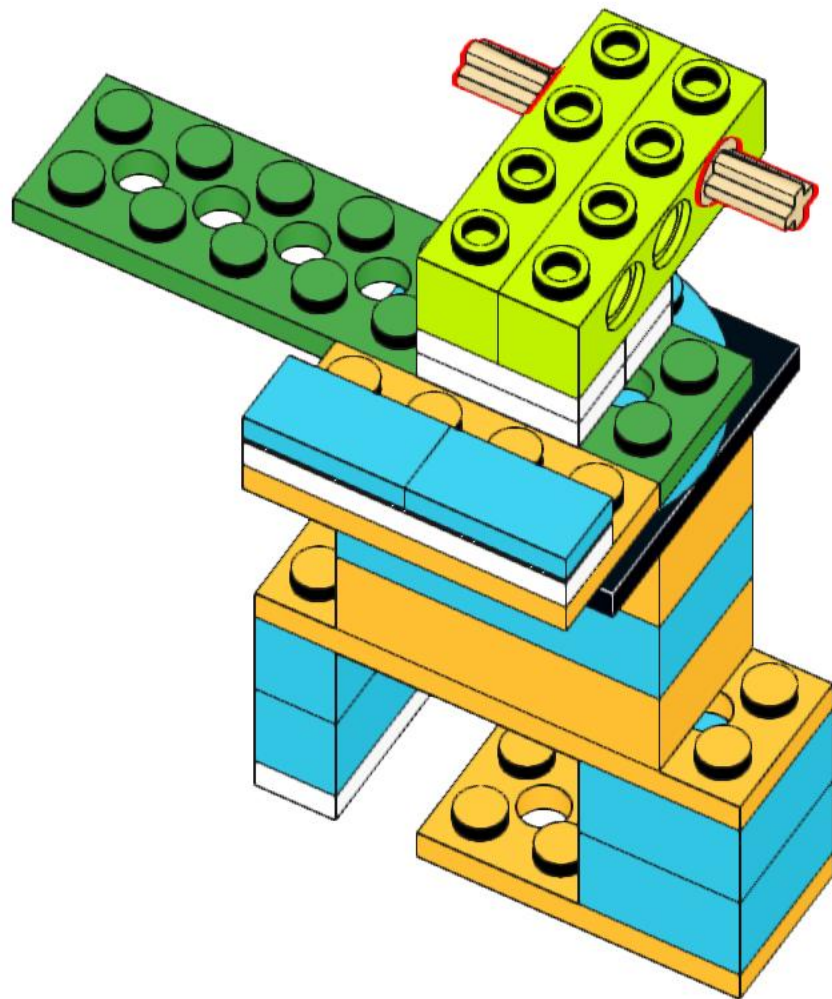
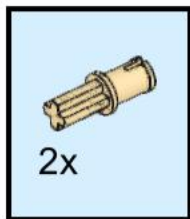
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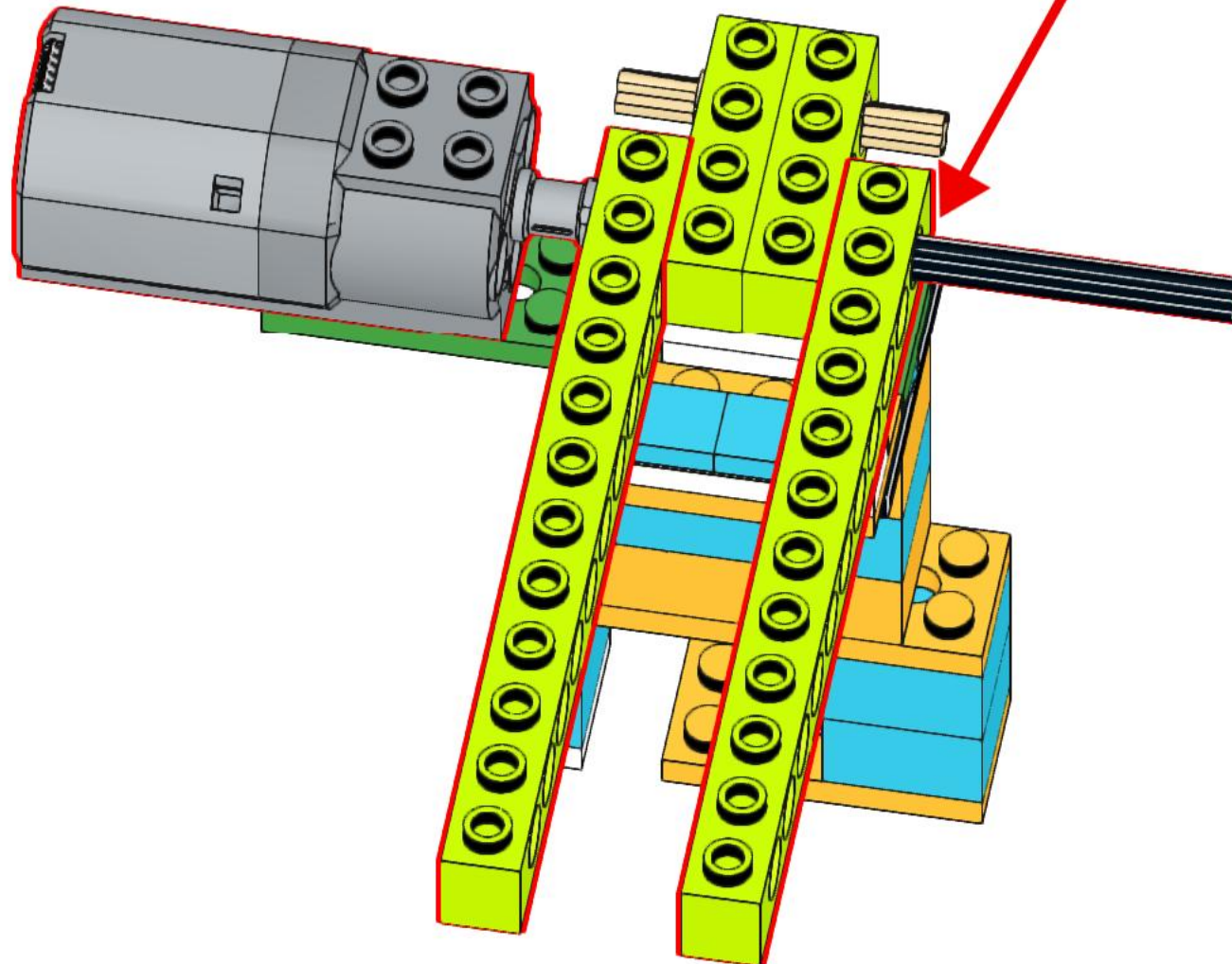
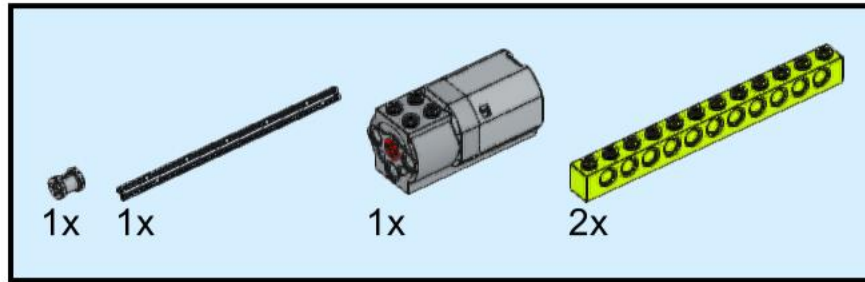
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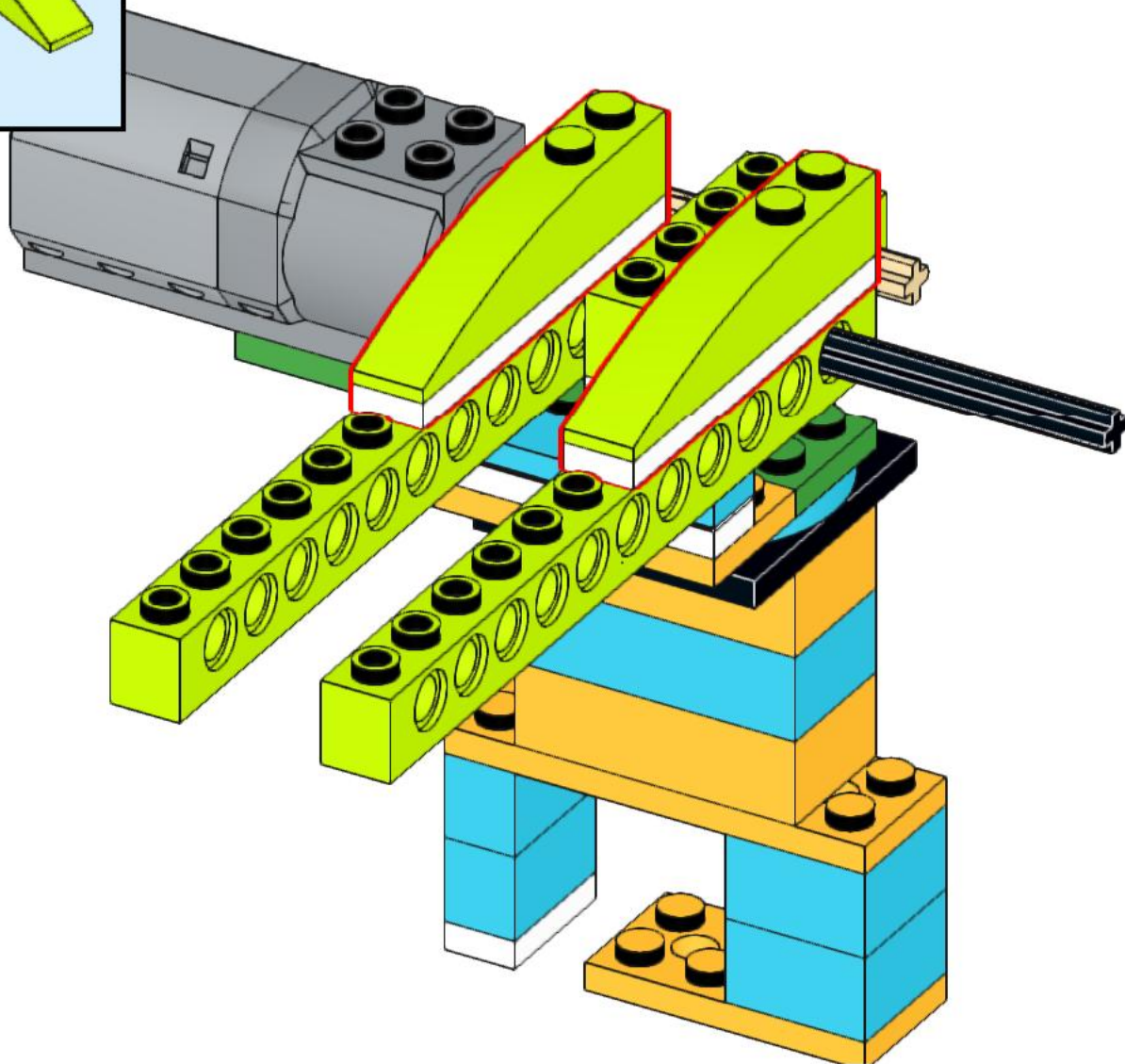
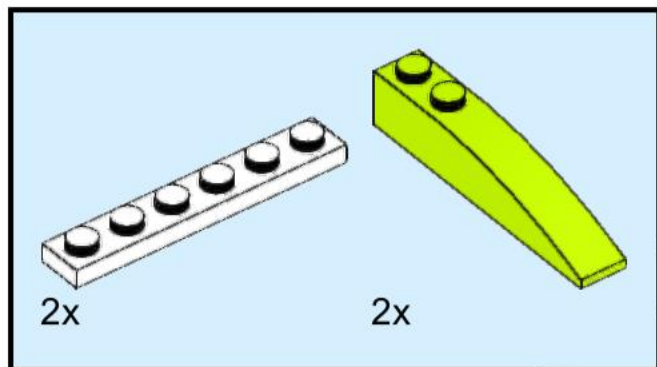


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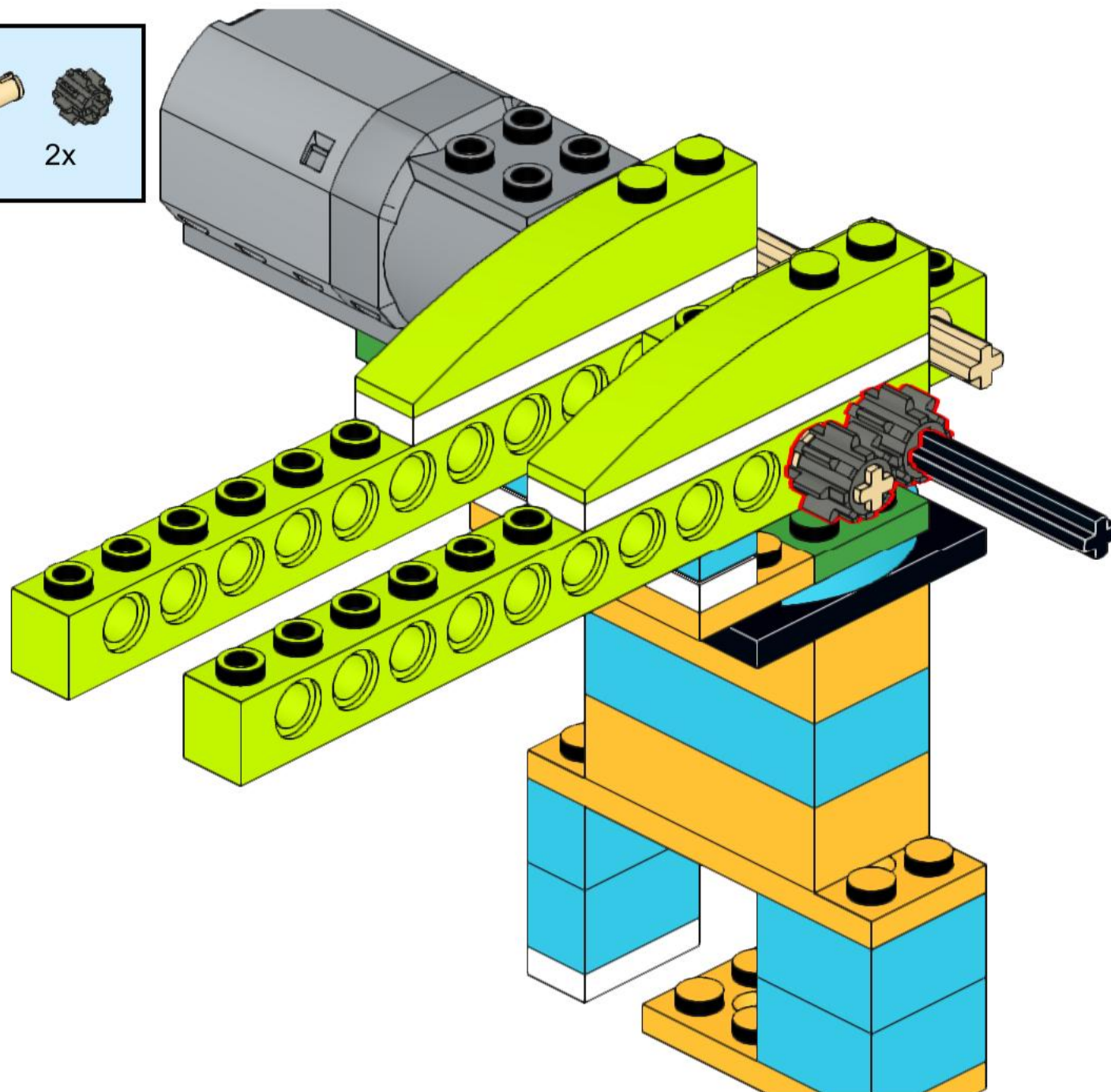
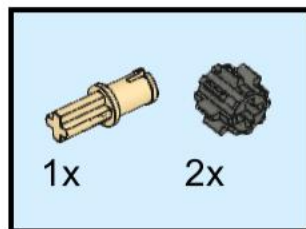


Insert the axle in the first pivot.

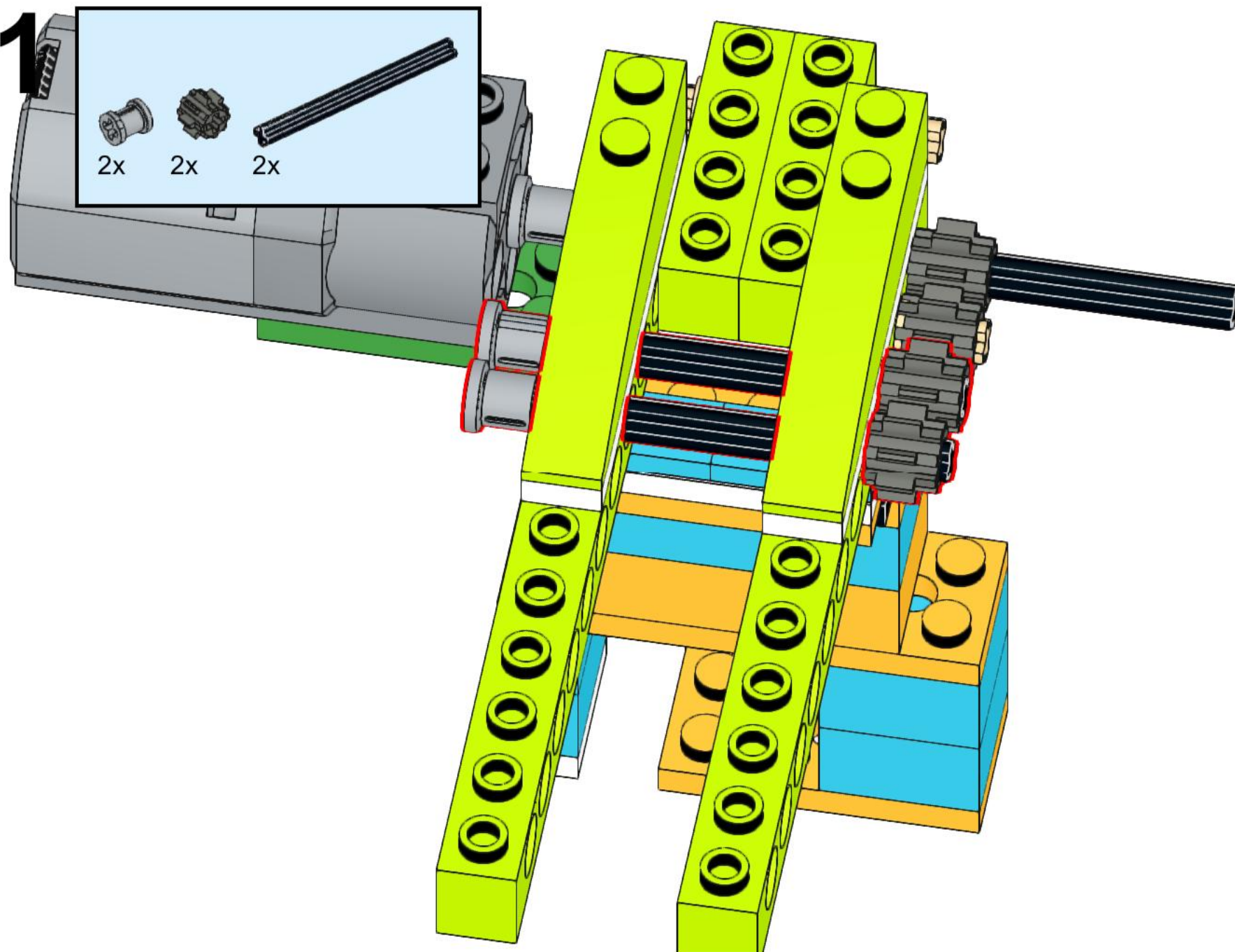
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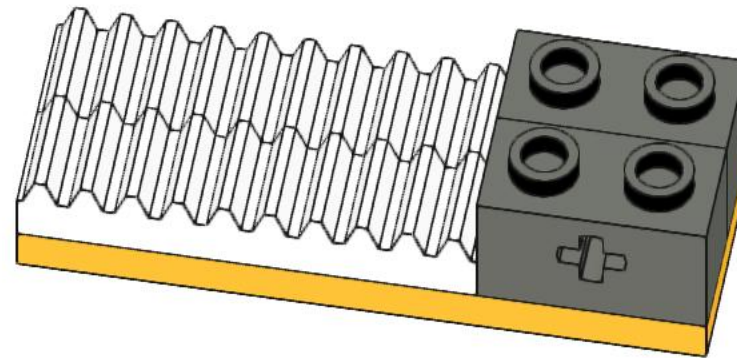
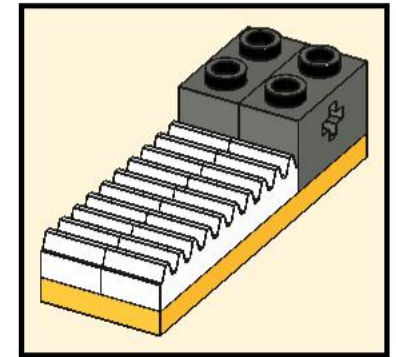
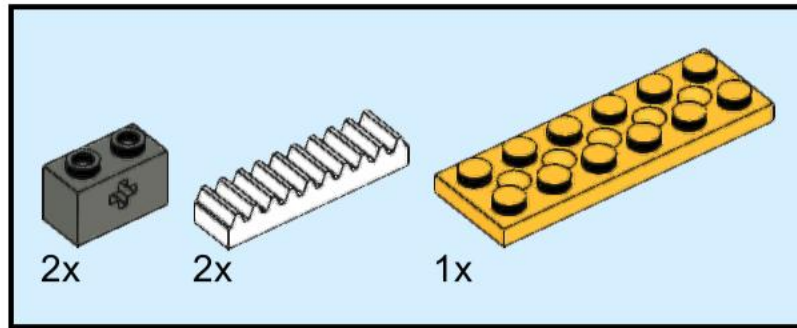
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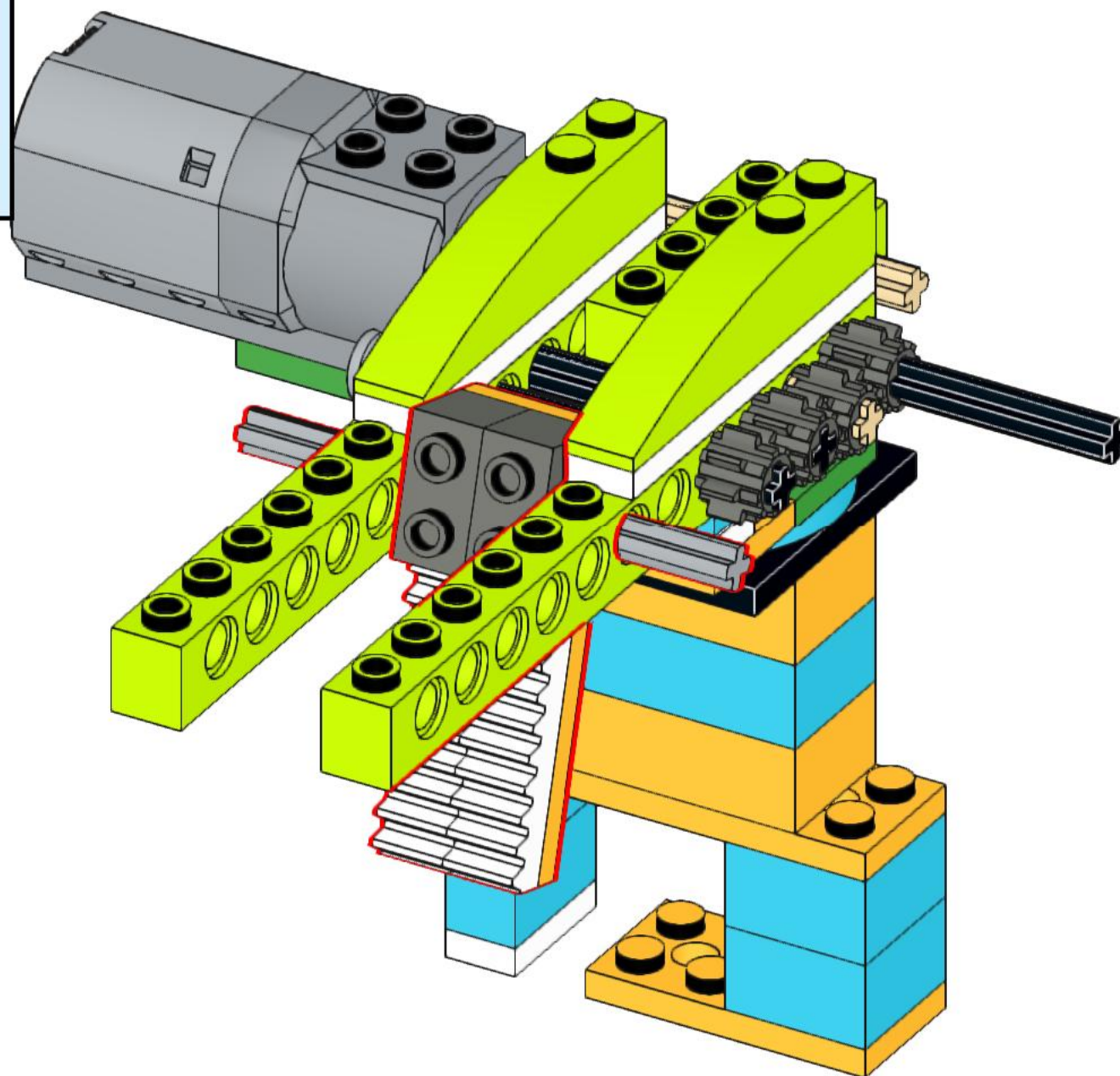
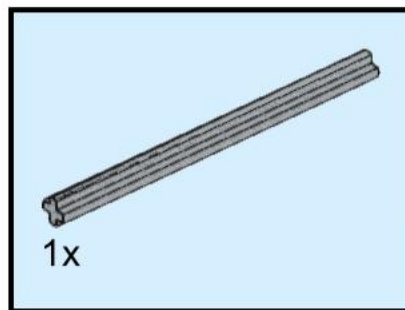
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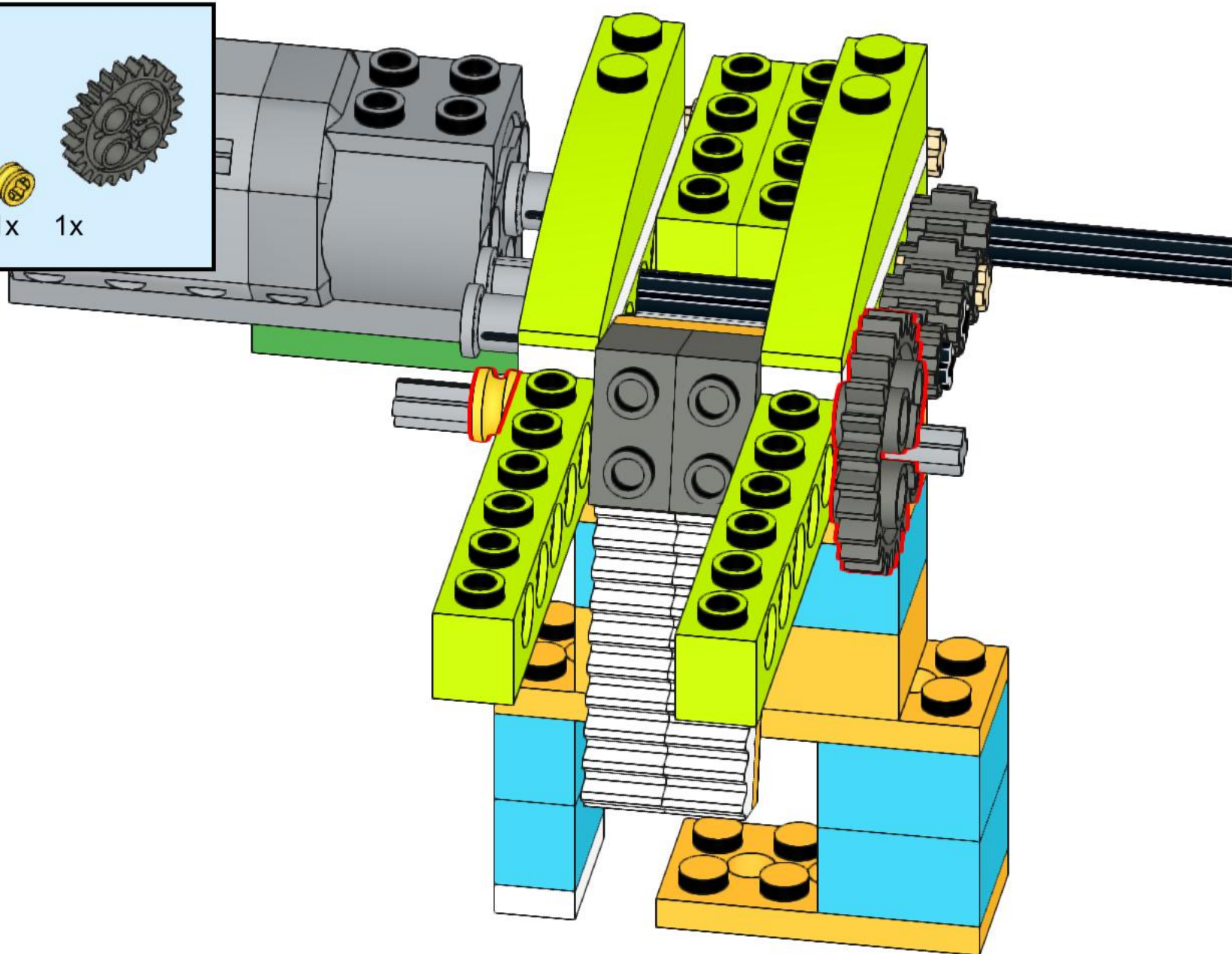
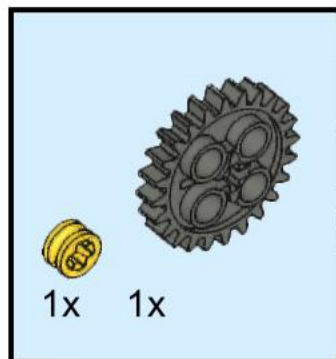
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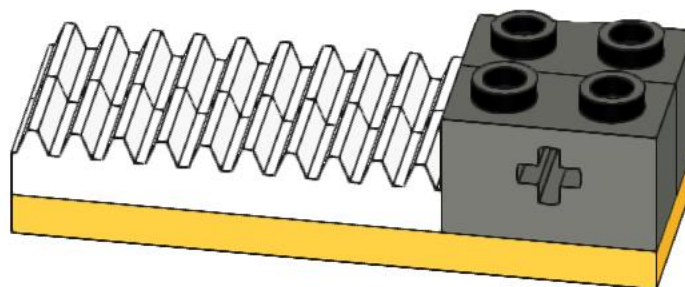
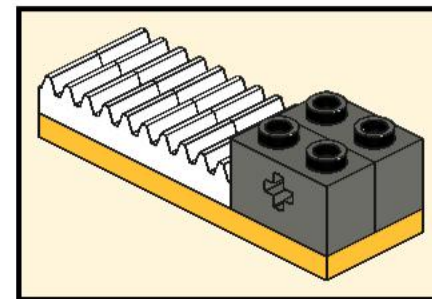
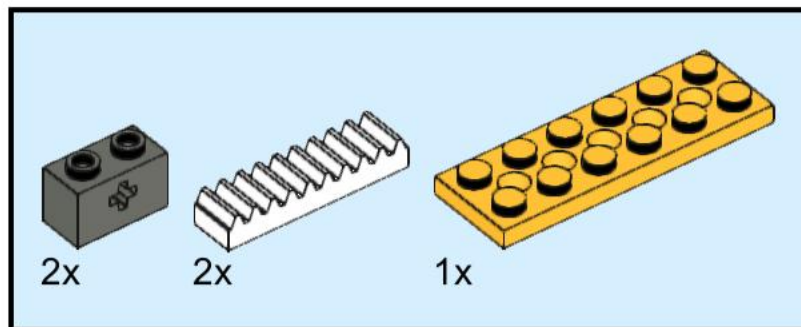
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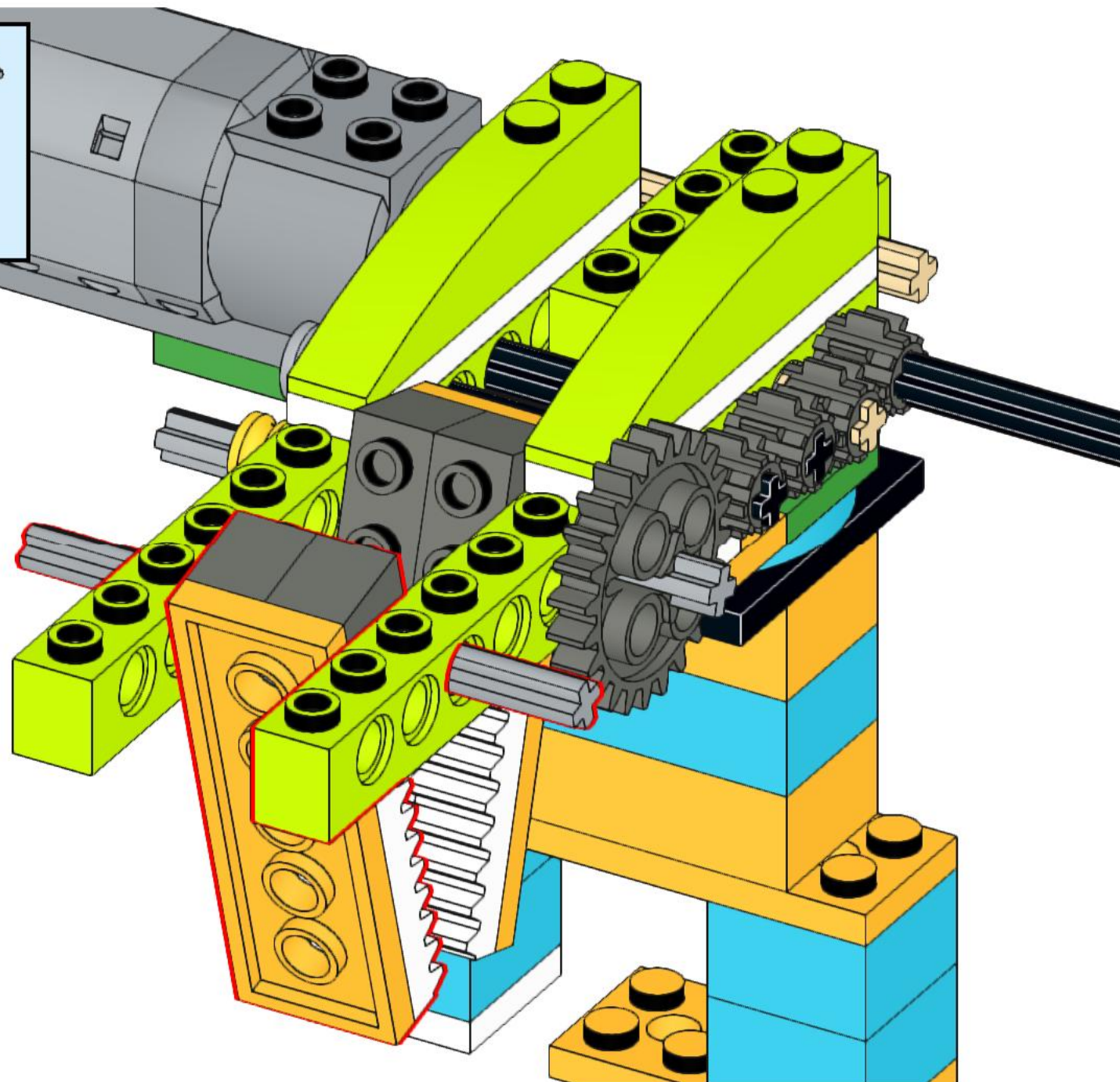
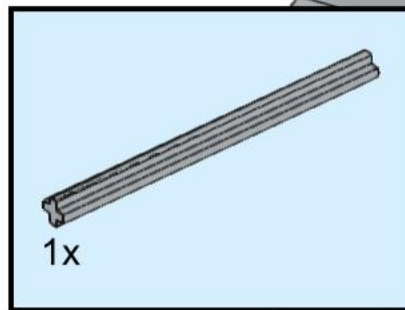
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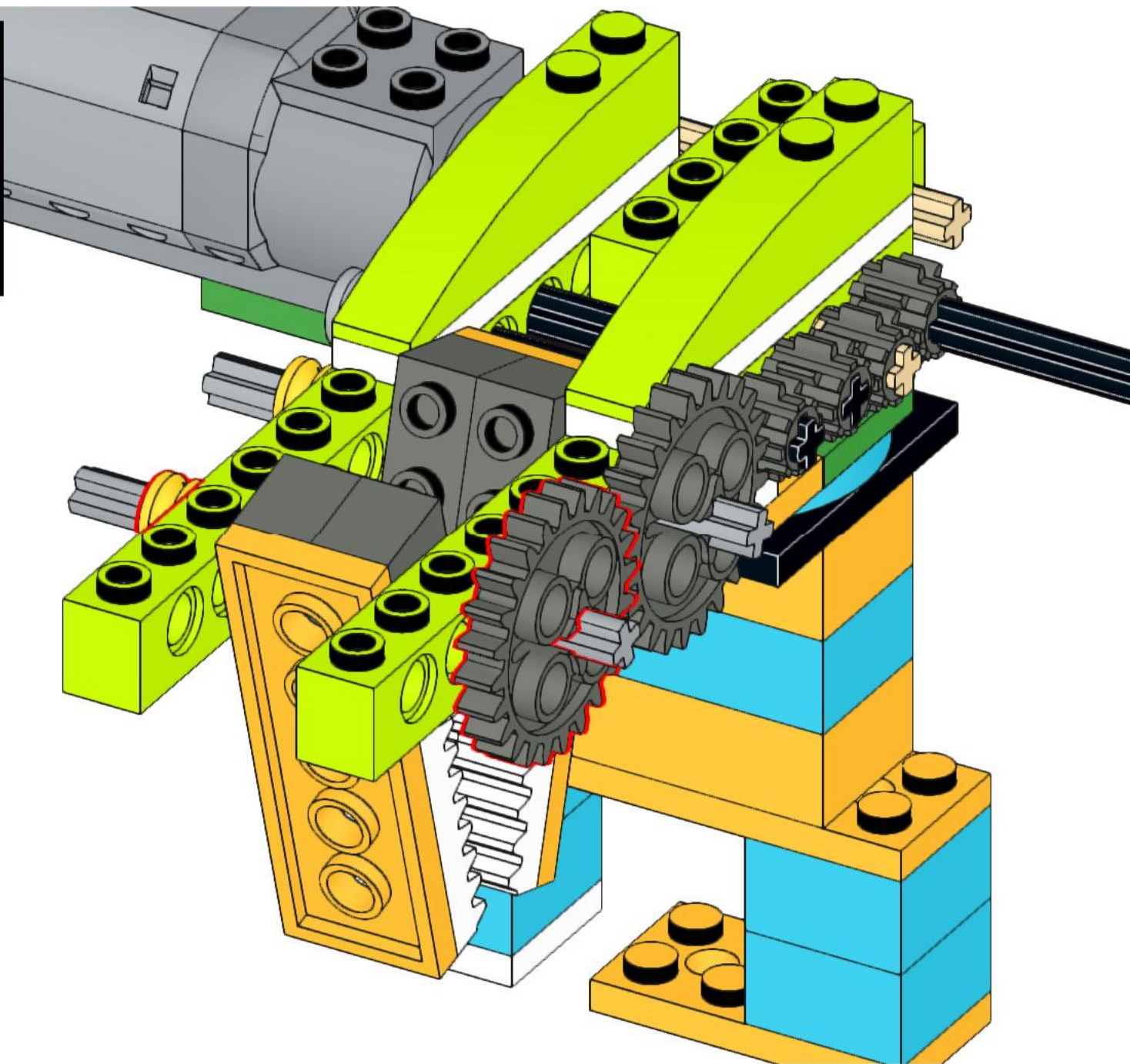
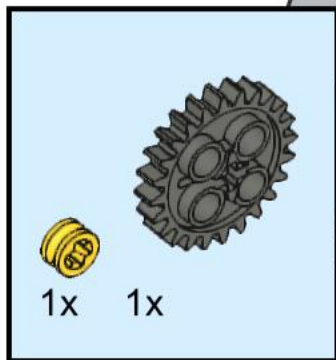
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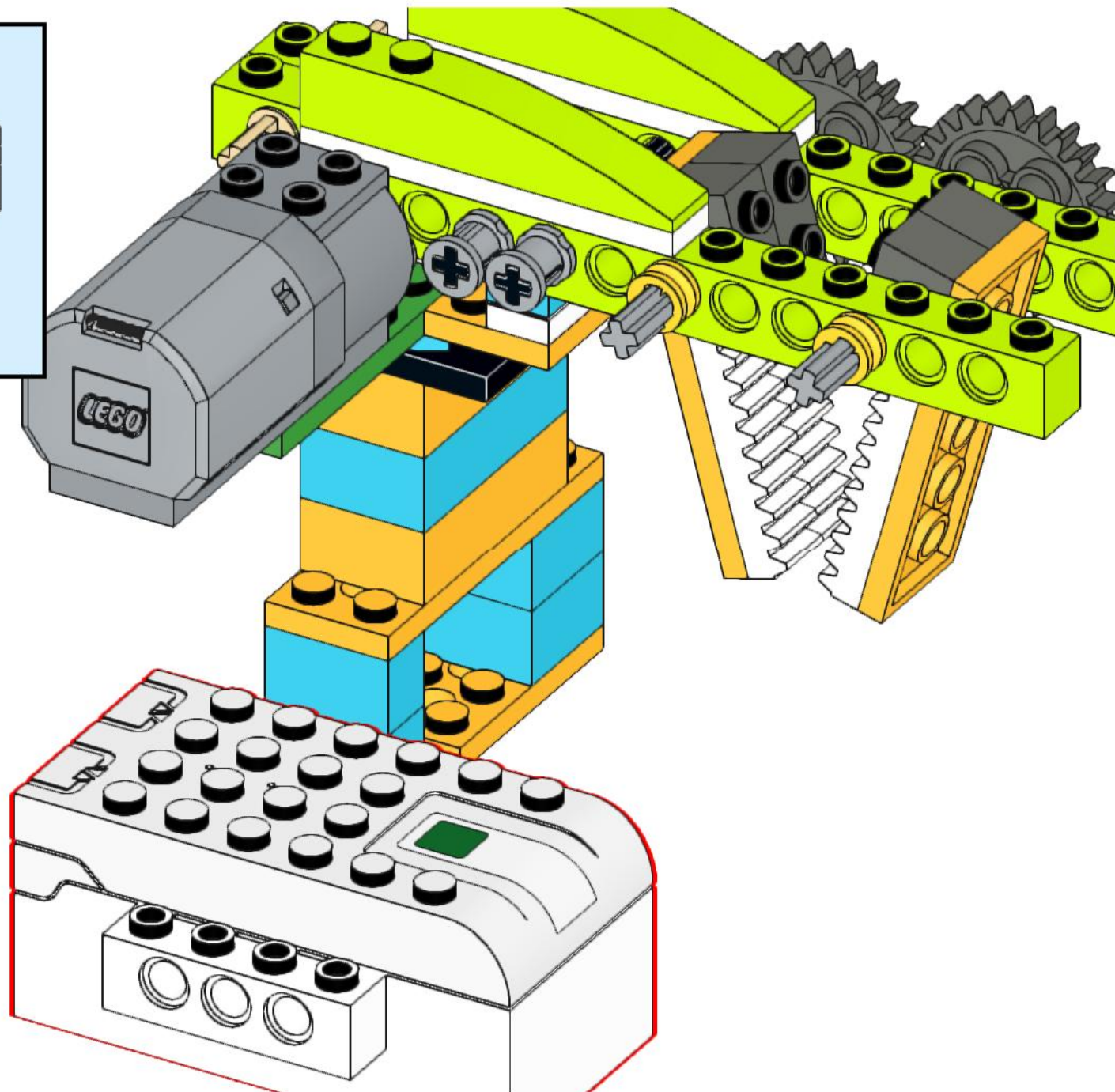
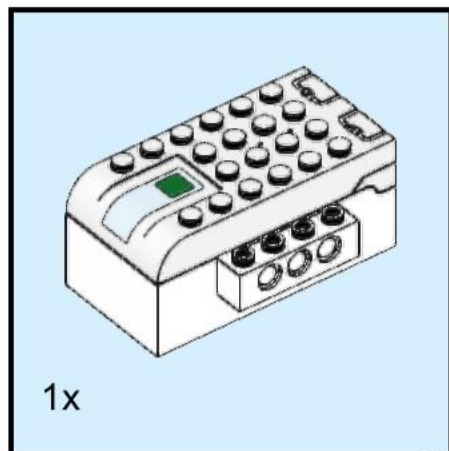
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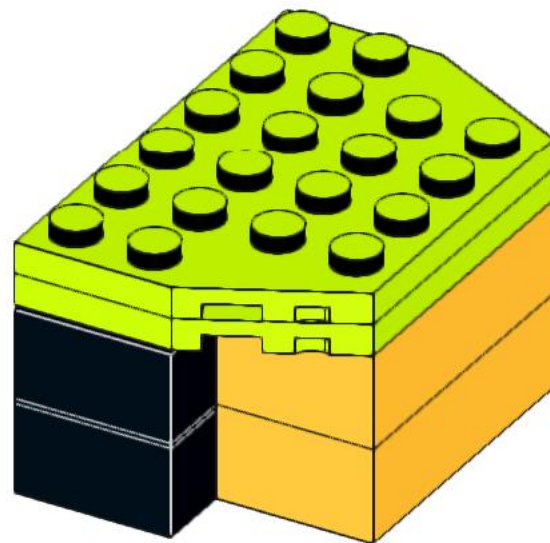
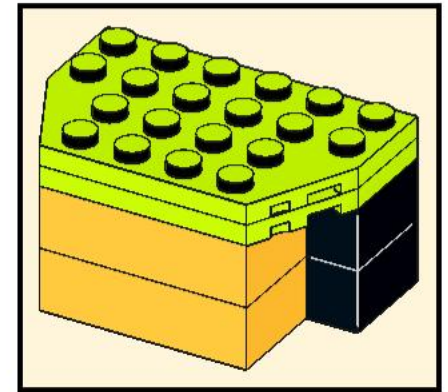
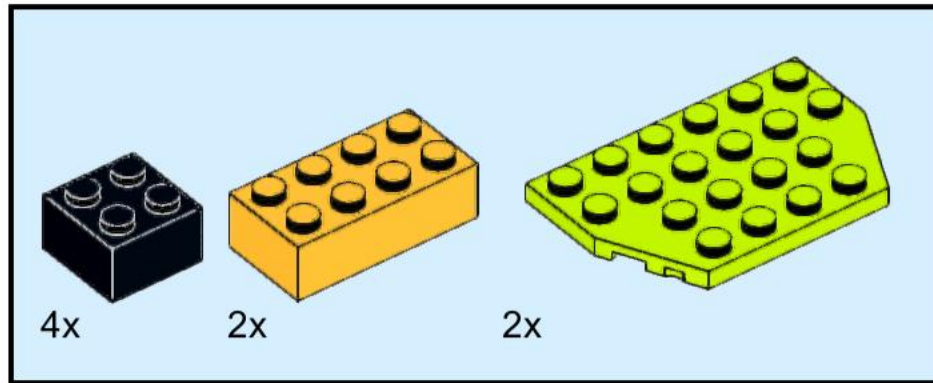
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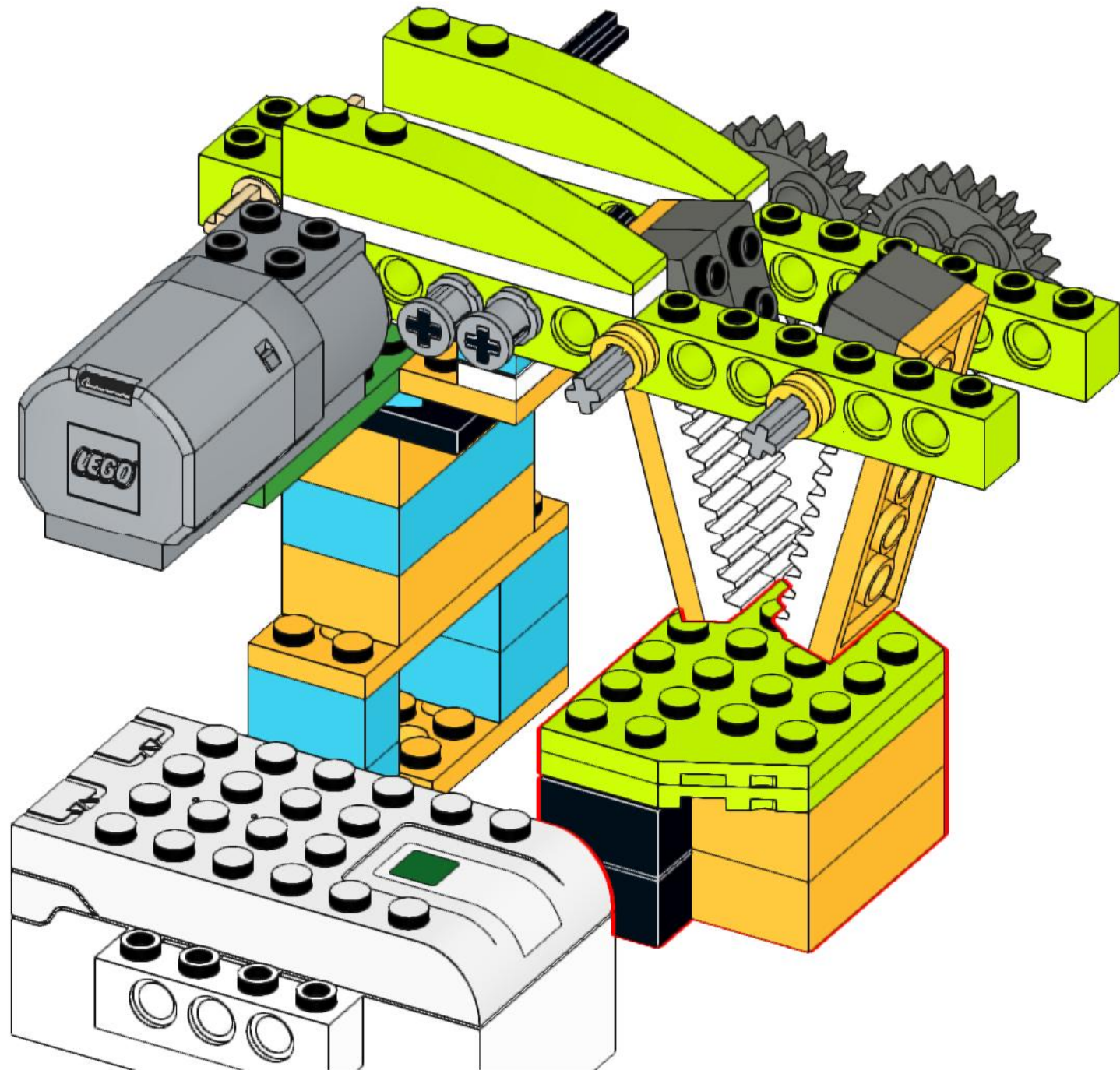
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19



20





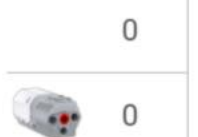
LETS CODE USING LEGO WEDO 2.0 APP



This should raise the arm.



This should lower the arm.





**LETS CODE USING MICROBIT AND
SCRATCH**

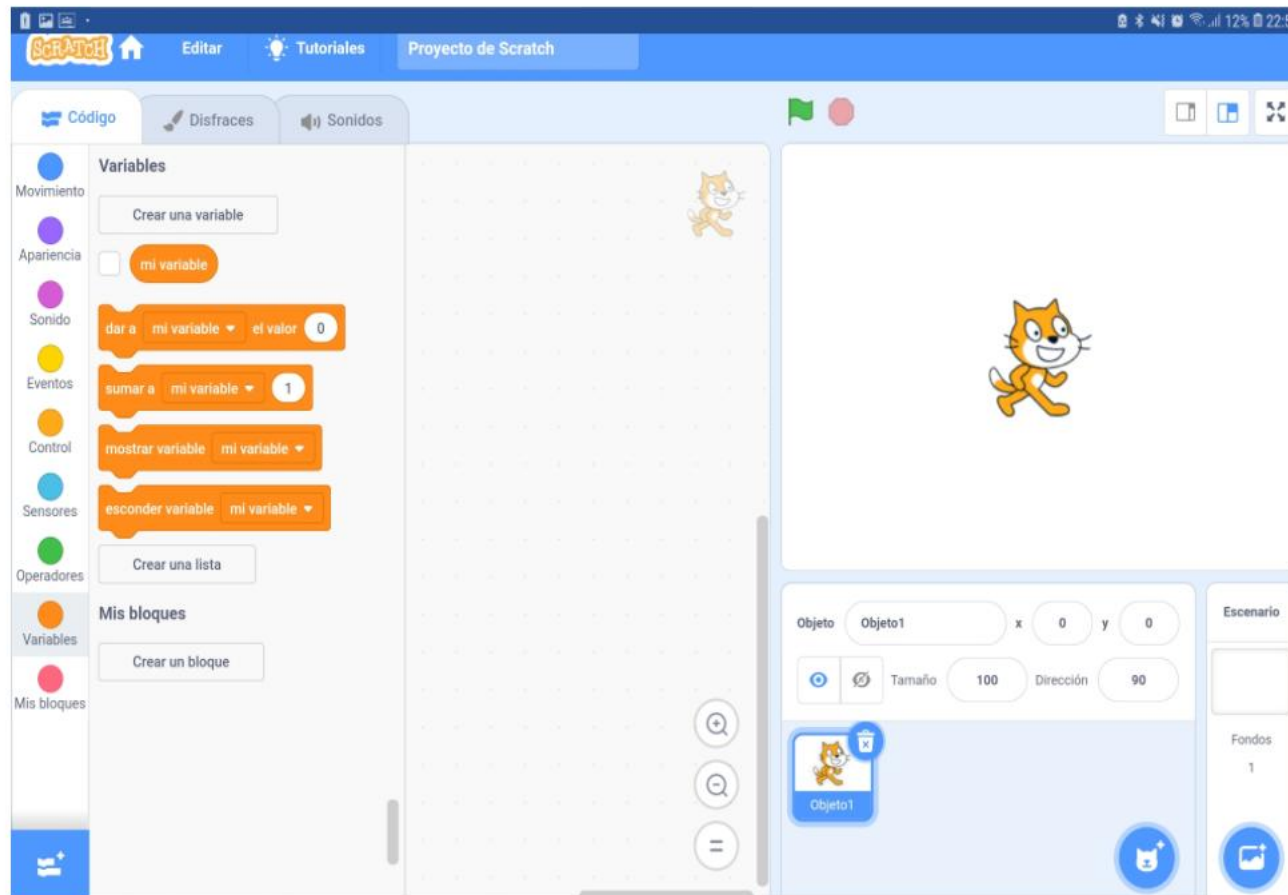
STEPS

1.- Install Scratch from this link:

<https://play.google.com/store/apps/details?id=org.scratch&hl=es>

2.- Create a new Scratch Project

After you create a Scratch project



STEPS

3.- Add micro:bit extension

The image shows the Scratch editor interface. On the left, the 'Variables' panel is visible. At the bottom left, a blue button with a plus sign and a document icon is highlighted by a black arrow pointing upwards. Below this arrow is the text 'Add new extension'. To the right, a dialog box titled 'Elige una extensión' (Choose an extension) is open. It displays several extension options. A black arrow points to the 'micro:bit' extension, which is highlighted. Below the arrow is the text 'Select micro:bit extension'.

Add new extension

Select micro:bit extension

Elige una extensión

Haz que tus proyectos hablen.
Requiere: En colaboración con Amazon Web Services

Traduce texto a muchos idiomas.
Requiere: En colaboración con Google

Convierte cualquier cosa en una tecla.
En colaboración con JoyLabz

micro:bit
Conecta tus proyectos con el mundo.
Requiere: En colaboración con micro:bit

LEGO MINDSTORMS EV3
Construye robots interactivos y mucho más.
Requiere: En colaboración con LEGO

LEGO BOOST
Dale vida a tus creaciones robóticas.
Requiere: En colaboración con LEGO

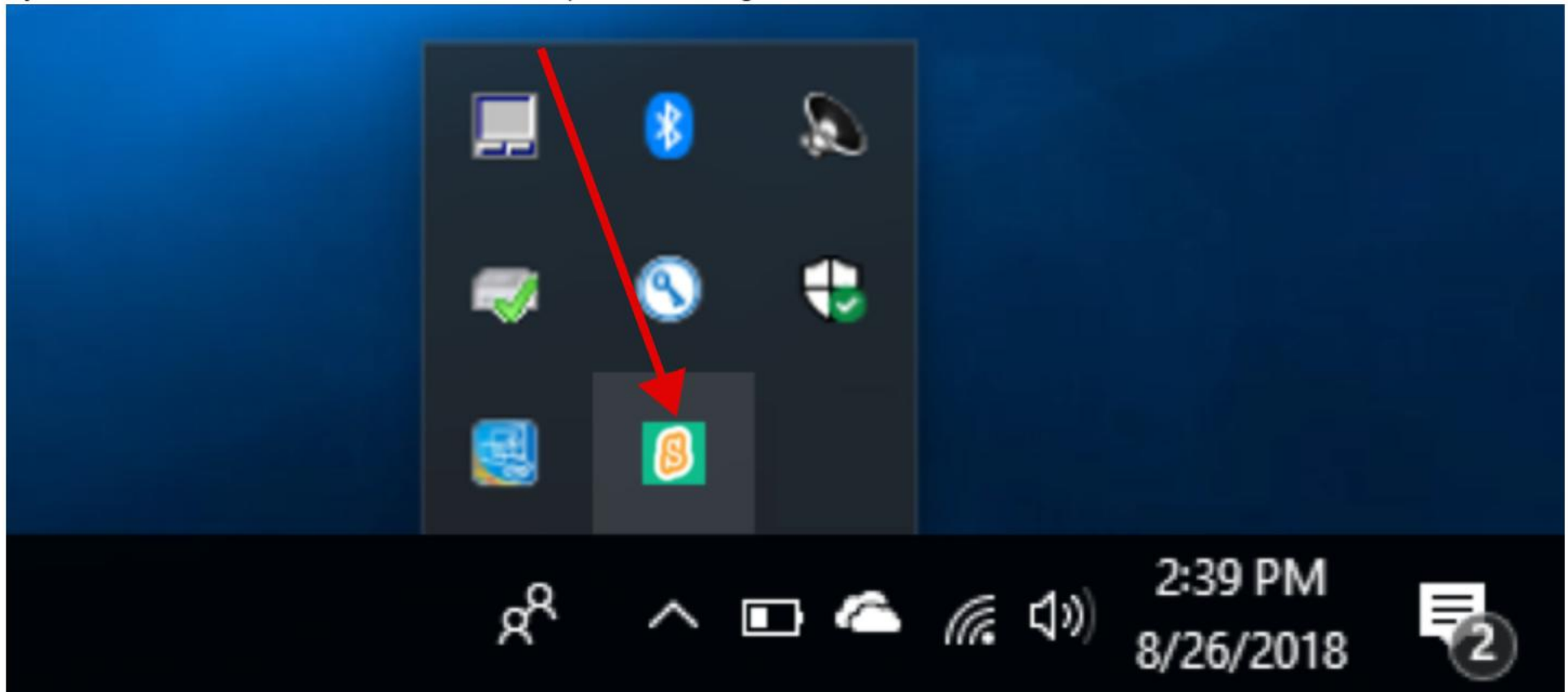
STEPS

4.- Install Scratch Link **ONLY if you will work with Scratch in PC, with devices (Tablets) is not needed, but in this tutorial we are working with a tablet.**

You will need to install Scratch Link from this LINK

<https://downloads.scratch.mit.edu/link/windows.zip>

After you install Scratch link, make sure it is up and running, it should be in the toolbar.



STEPS

4.- Install Sractch micro:bit HEX file in your micro:bit

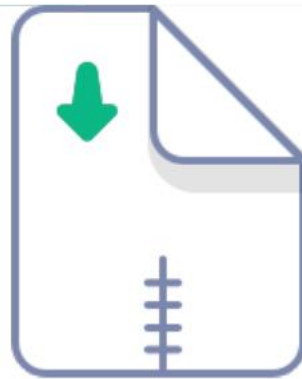
This file needs to be added in microbit by using USB cable.

1



Connect micro:bit to your PC with a USB cable

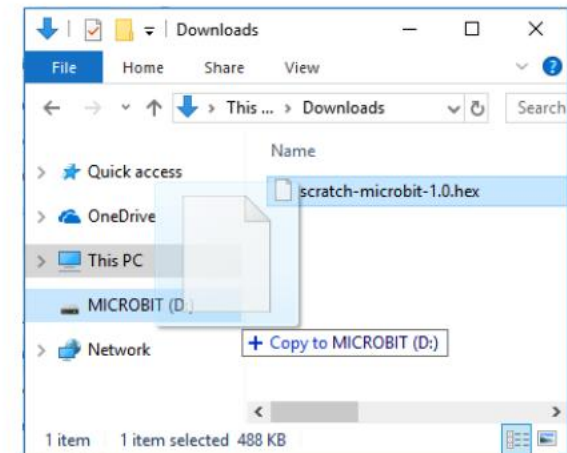
2



Download the file Scratch micro:bit HEX from this link.

<https://downloads.scratch.mit.edu/microbit/scratch-microbit-1.1.0.hex.zip>

3

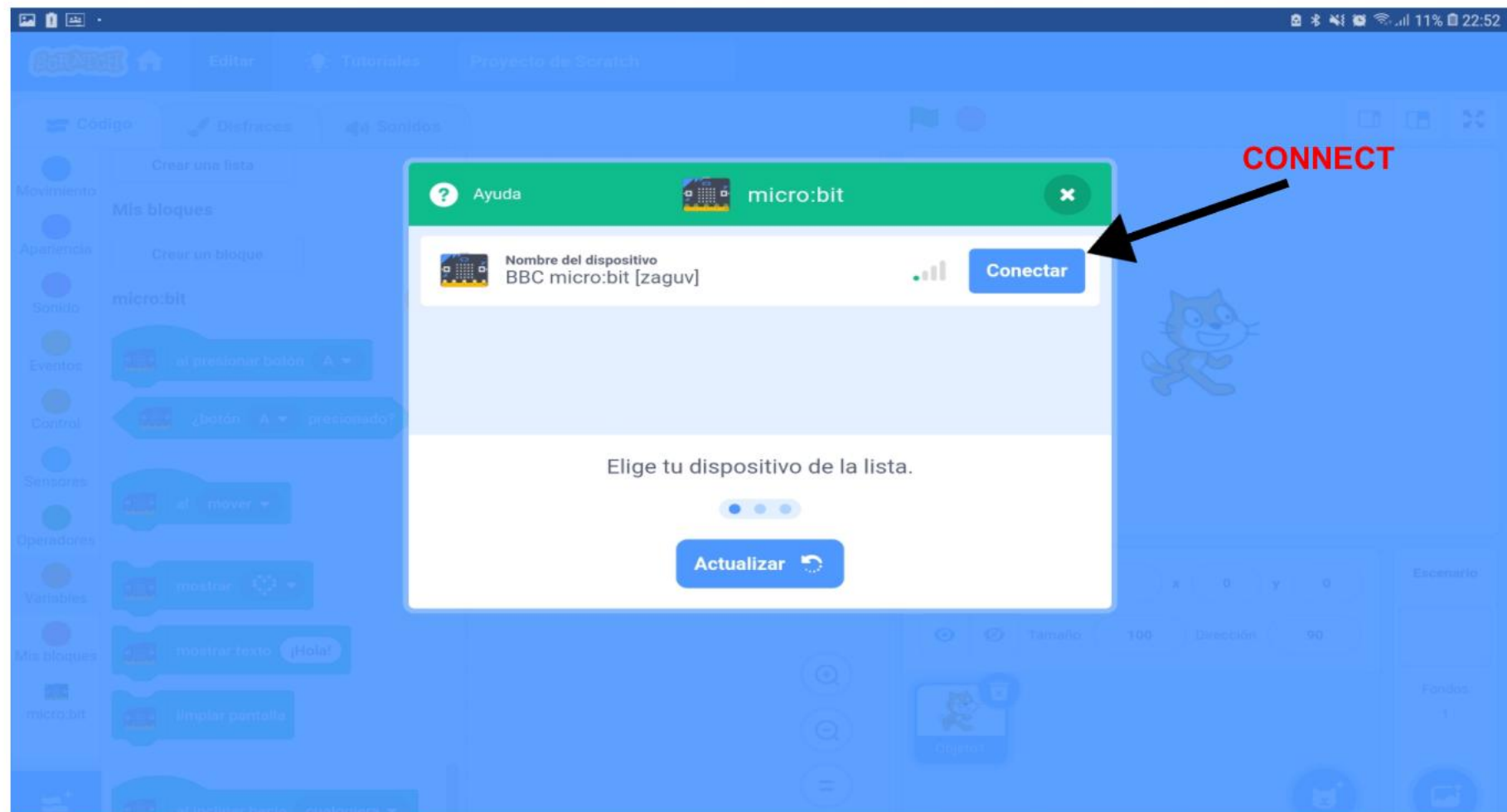


Drag and Drop the HEX file into the micro:bit

STEPS

4.- Bind Scratch with micro:bit

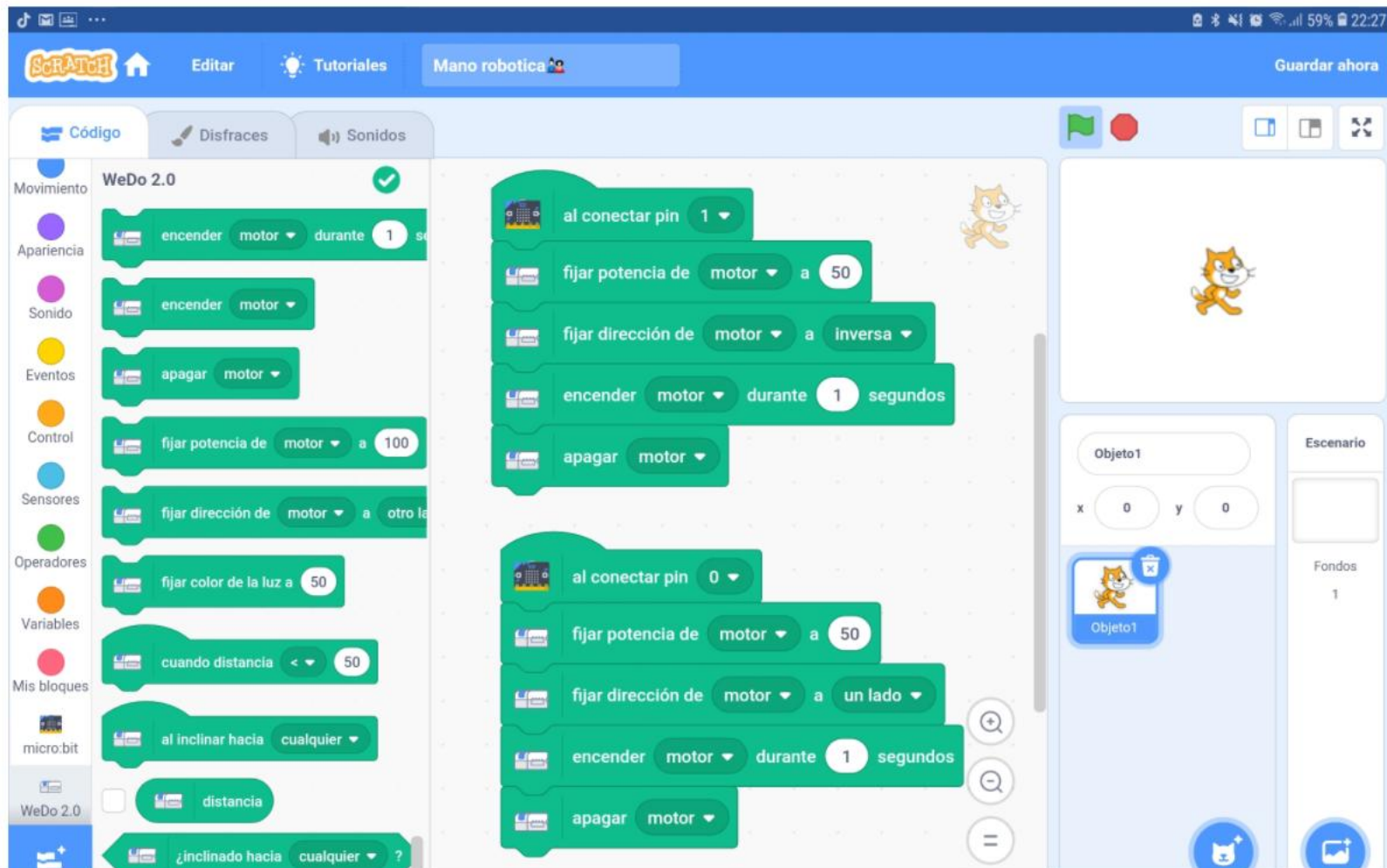
Now in Scratch you should see your micro:bit listed so click in "Connect"



STEPS

4.- Code in Scratch

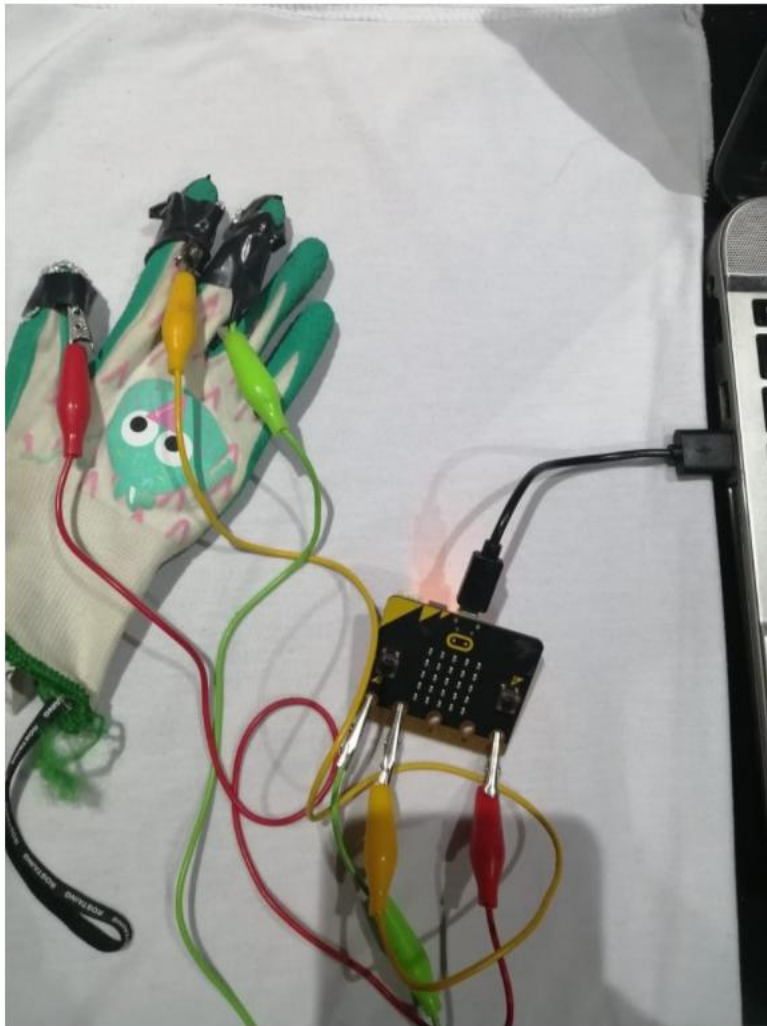
Now lets add some coding blocks to make this work from the scratch side.



STEPS

5.- glove to manipulate the robotic arm

You can use platinum paper, and scotch paper



THANK YOU

