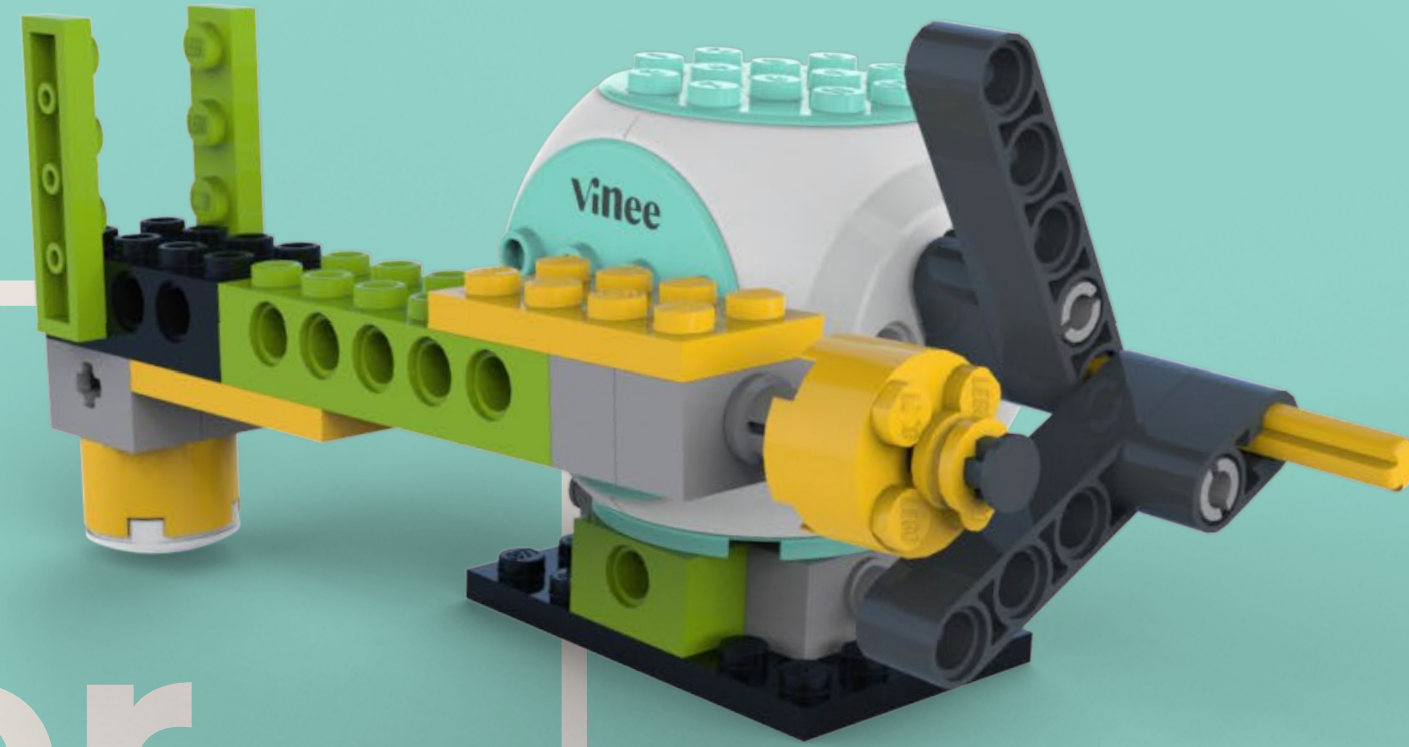


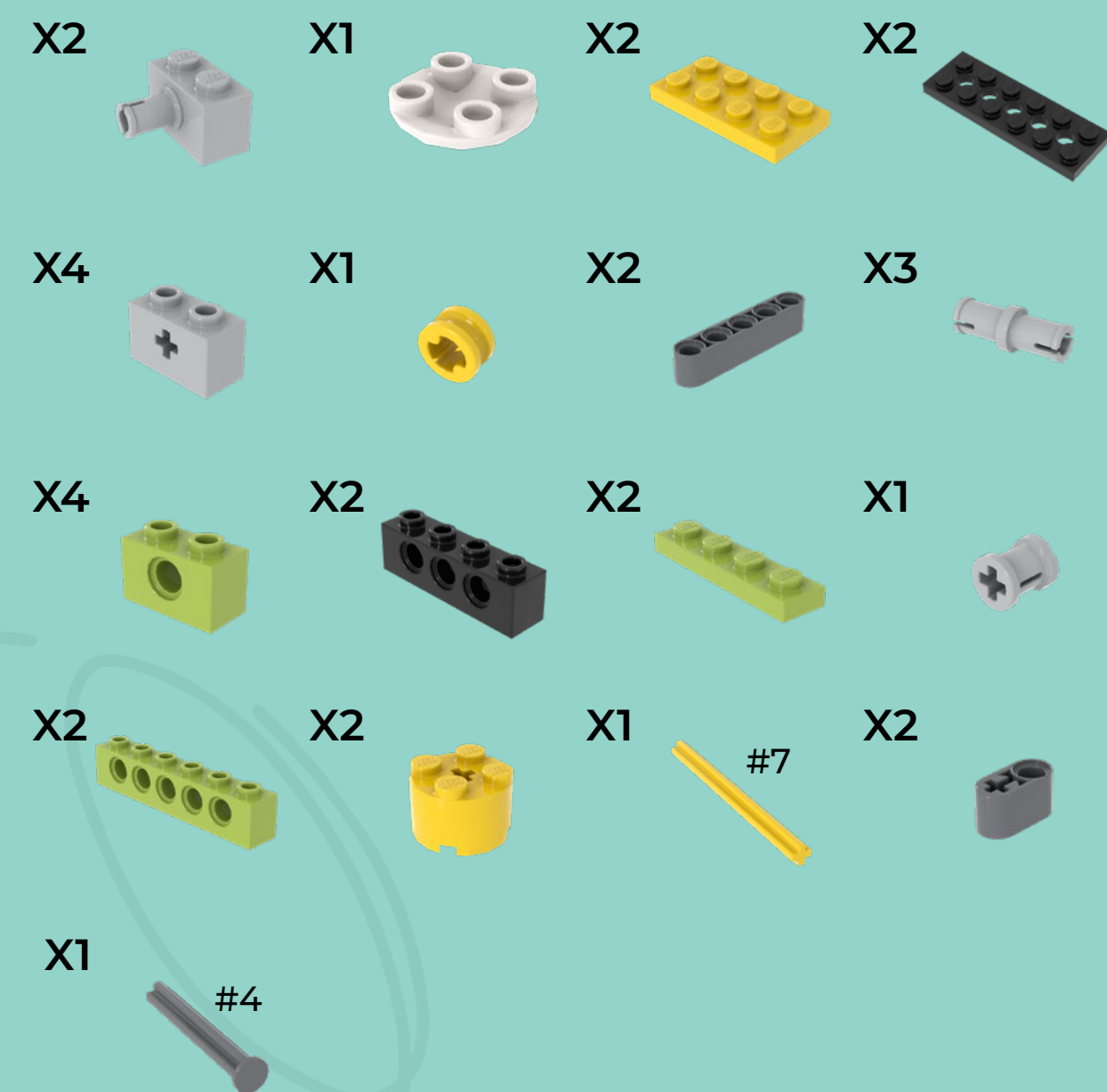
Start
Building!

Hammer



Hammer

Parts In This Build



Description:

The Hammer is a class 1 lever with 3 parts: A load, force, and fulcrum between them to pivot on. The motor provides the force to lift the load of the weight of the hammer.

The beams that apply force can be adjusted to change the speed and pattern of the hammering.

ViNee Set:

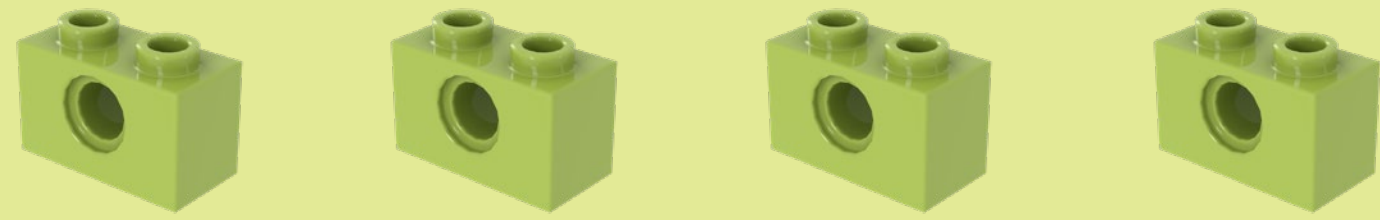
Essential

Learn:

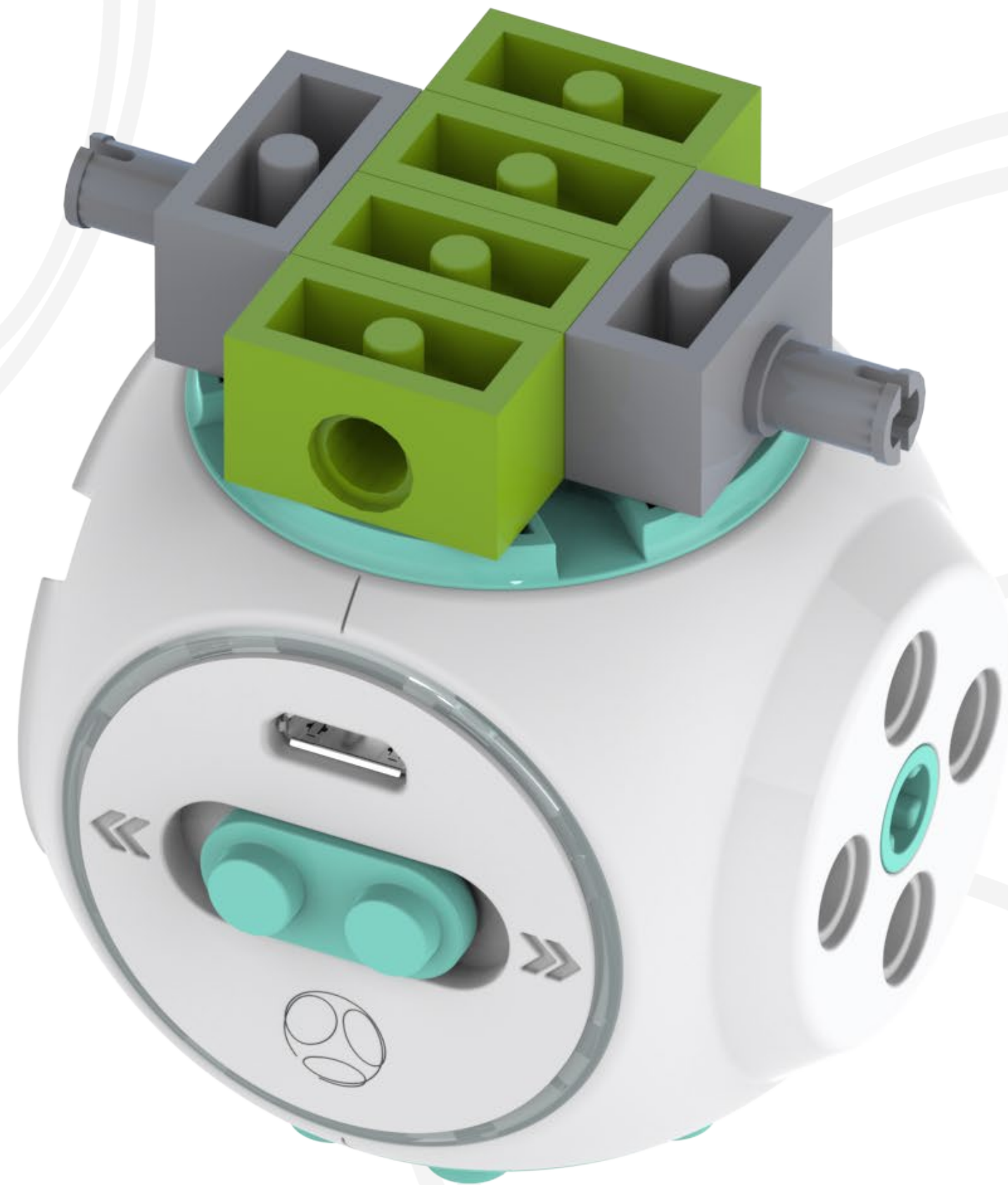
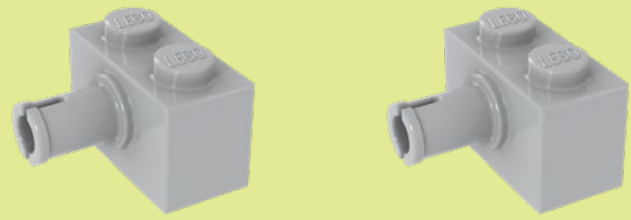
• Lever



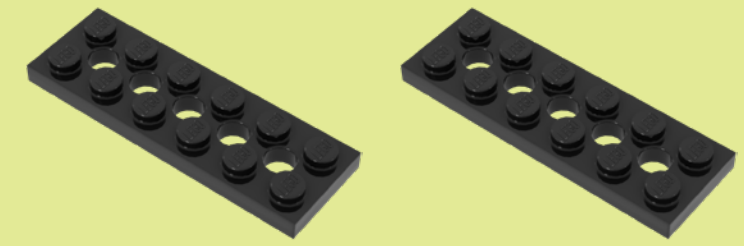
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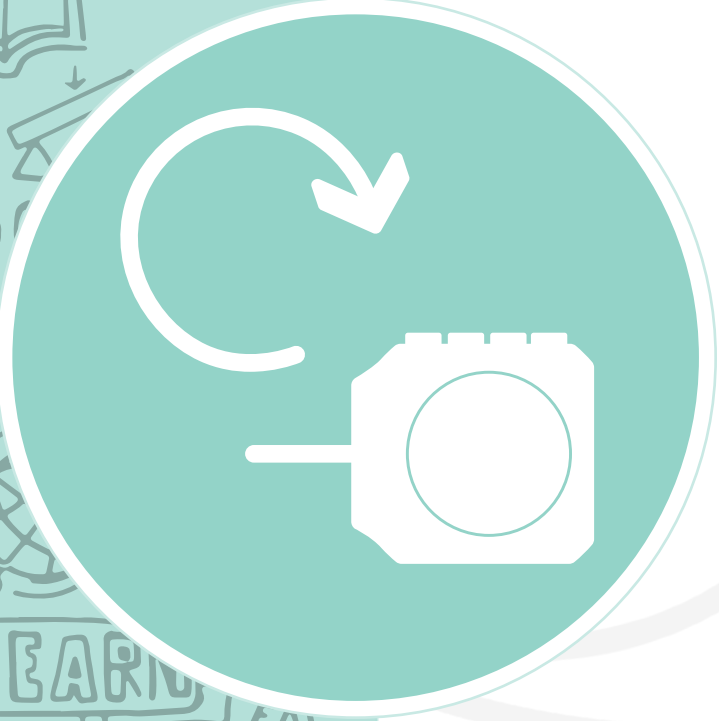
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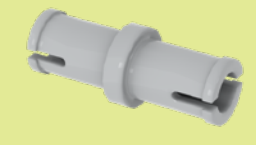
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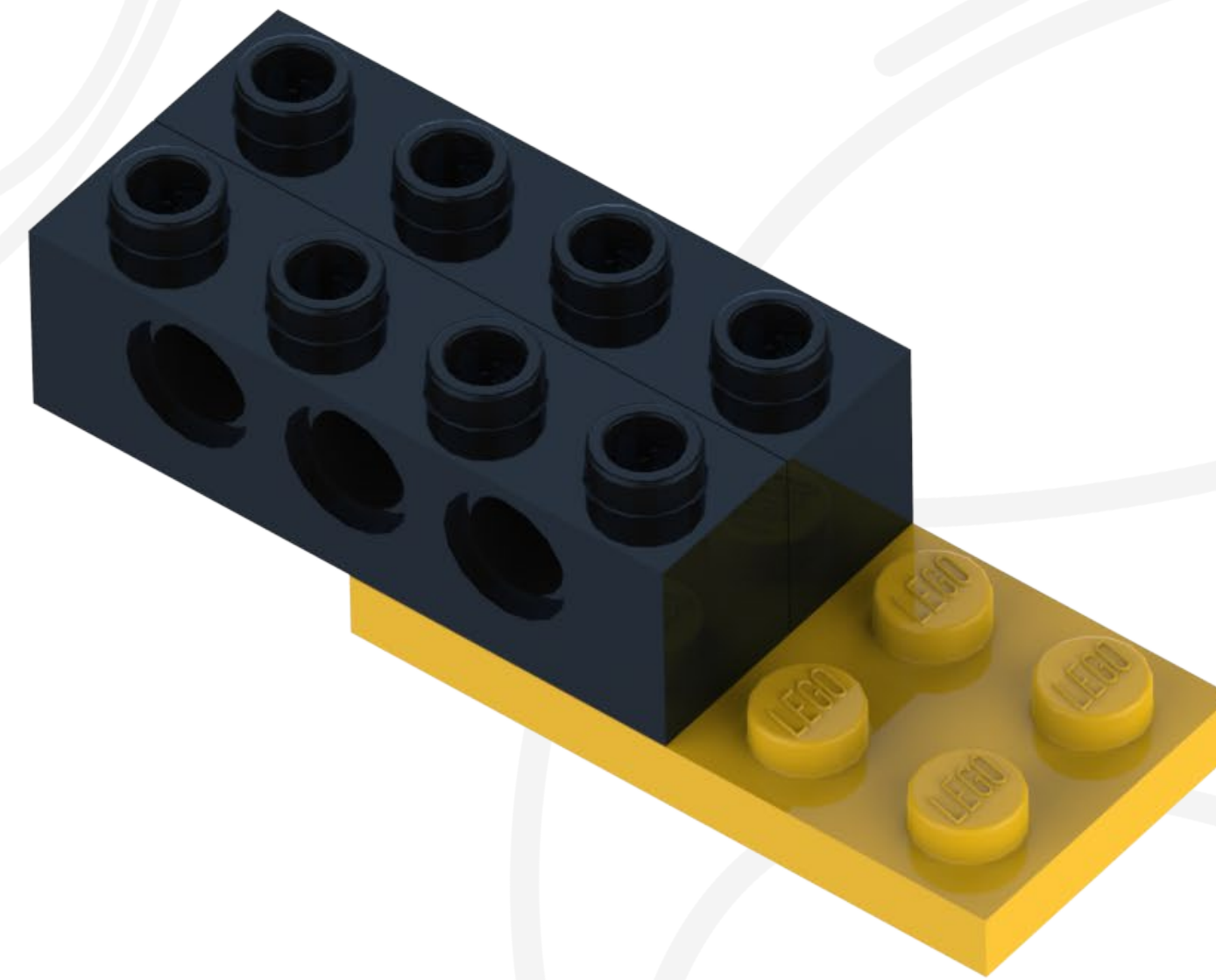
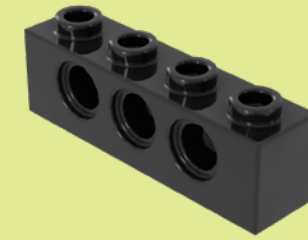
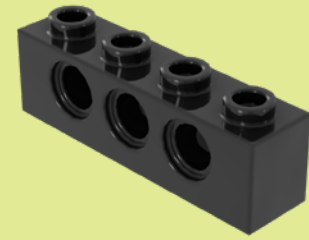
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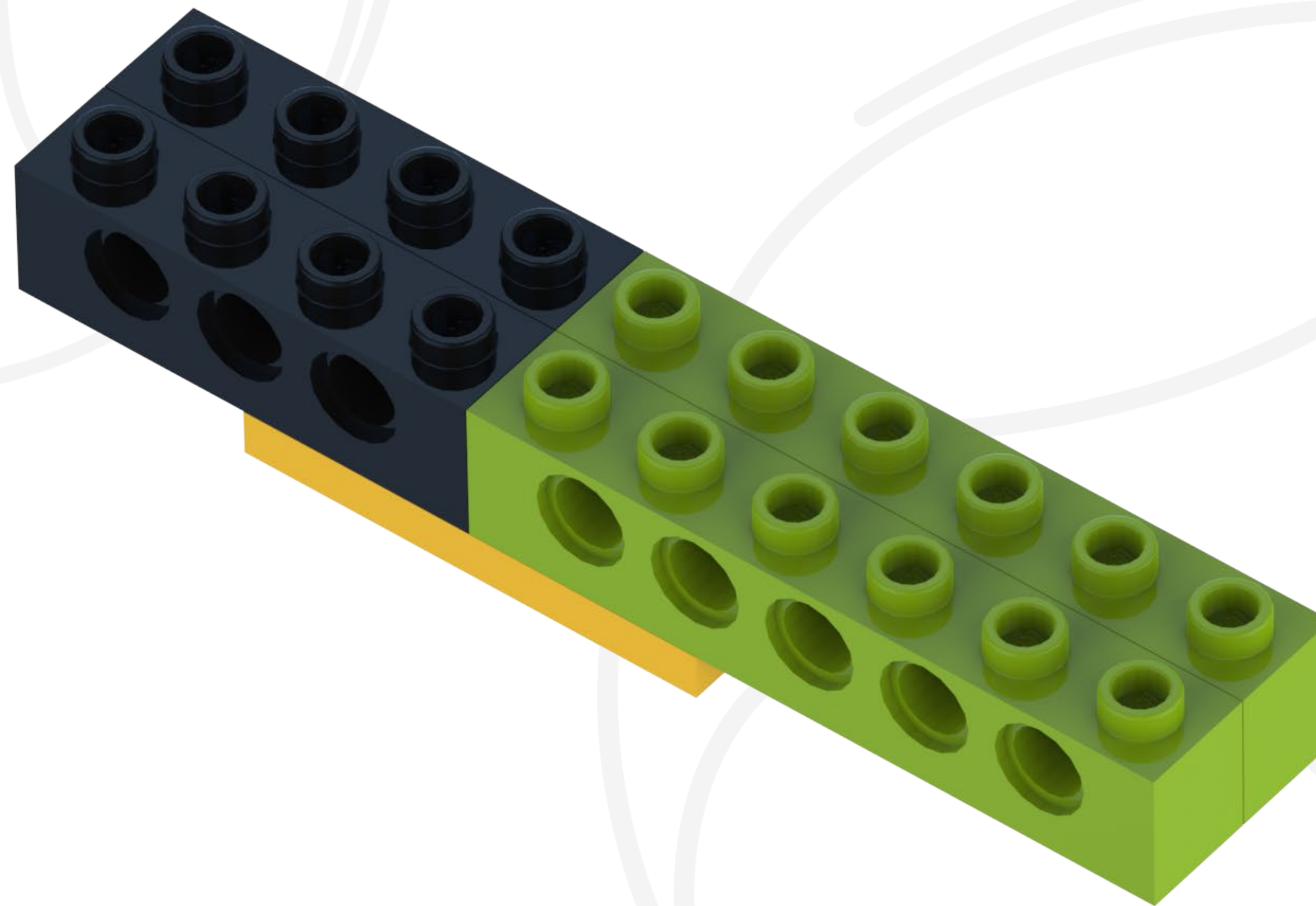
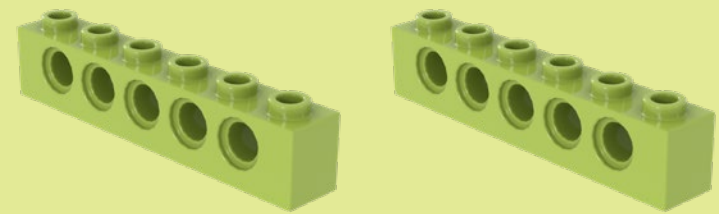
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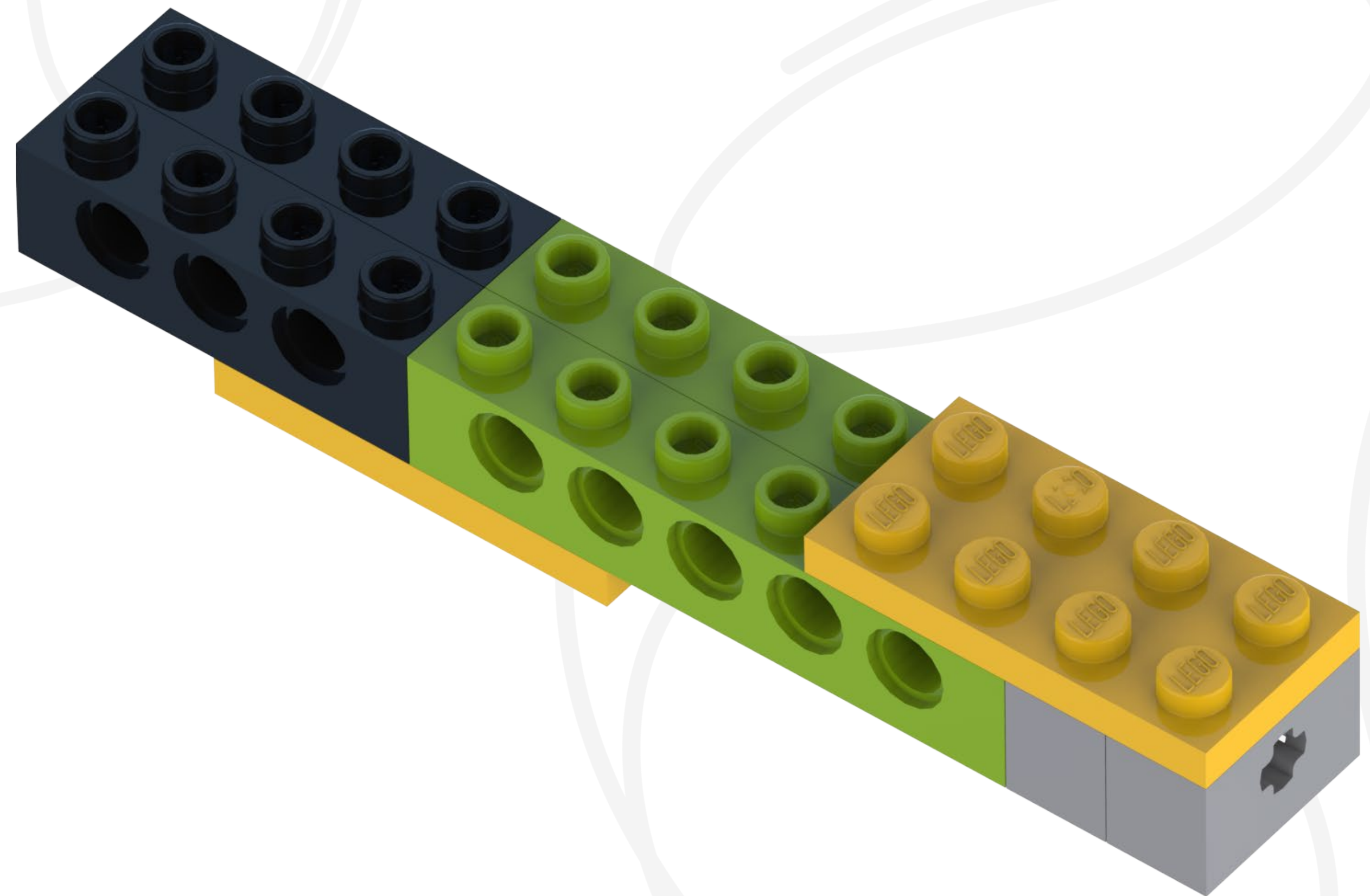
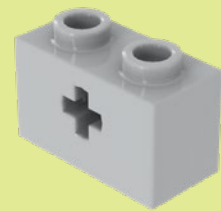
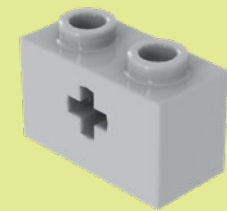
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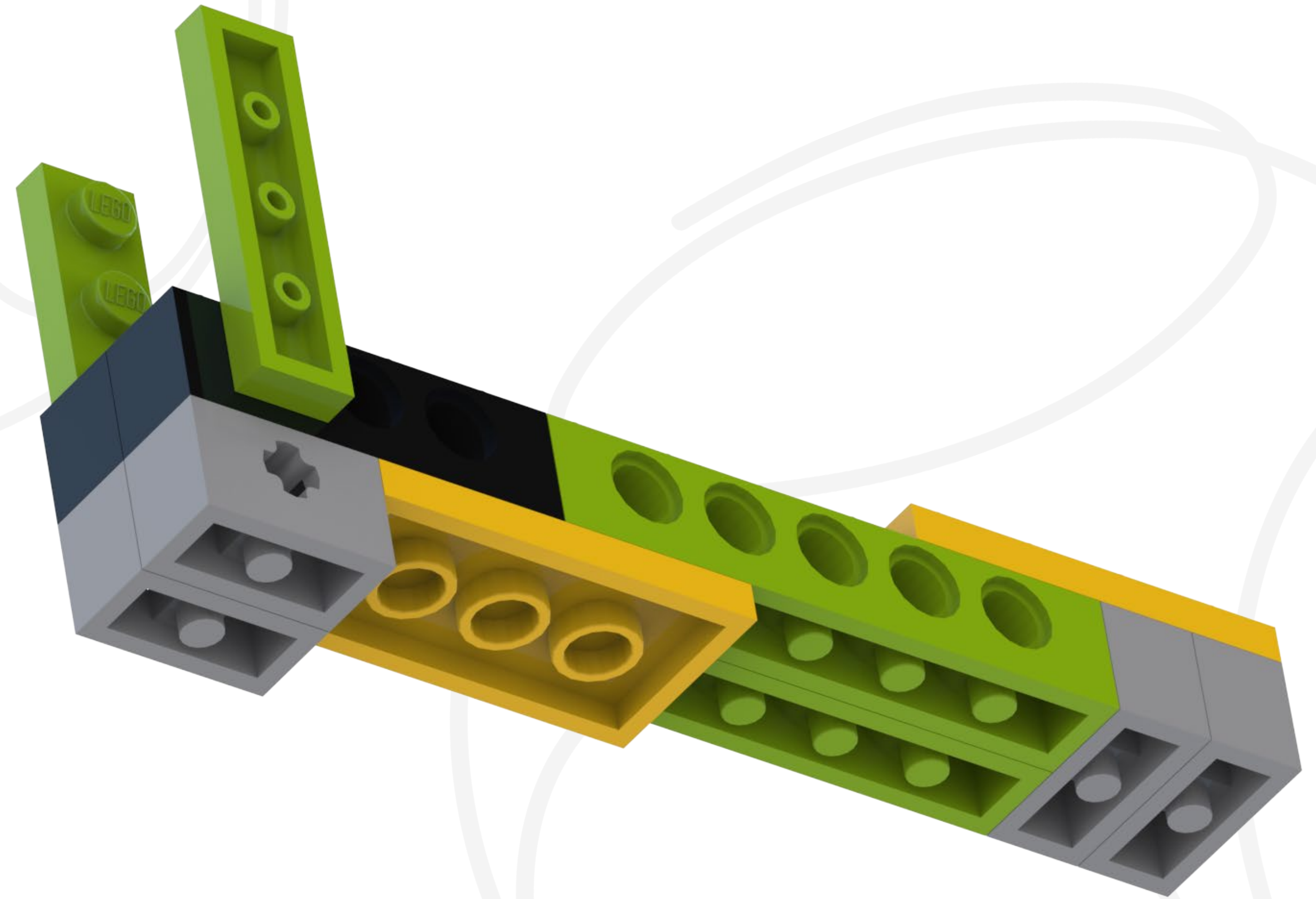
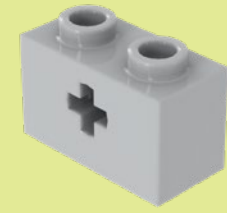
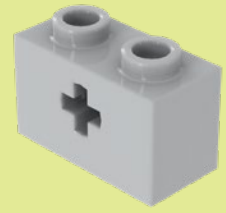
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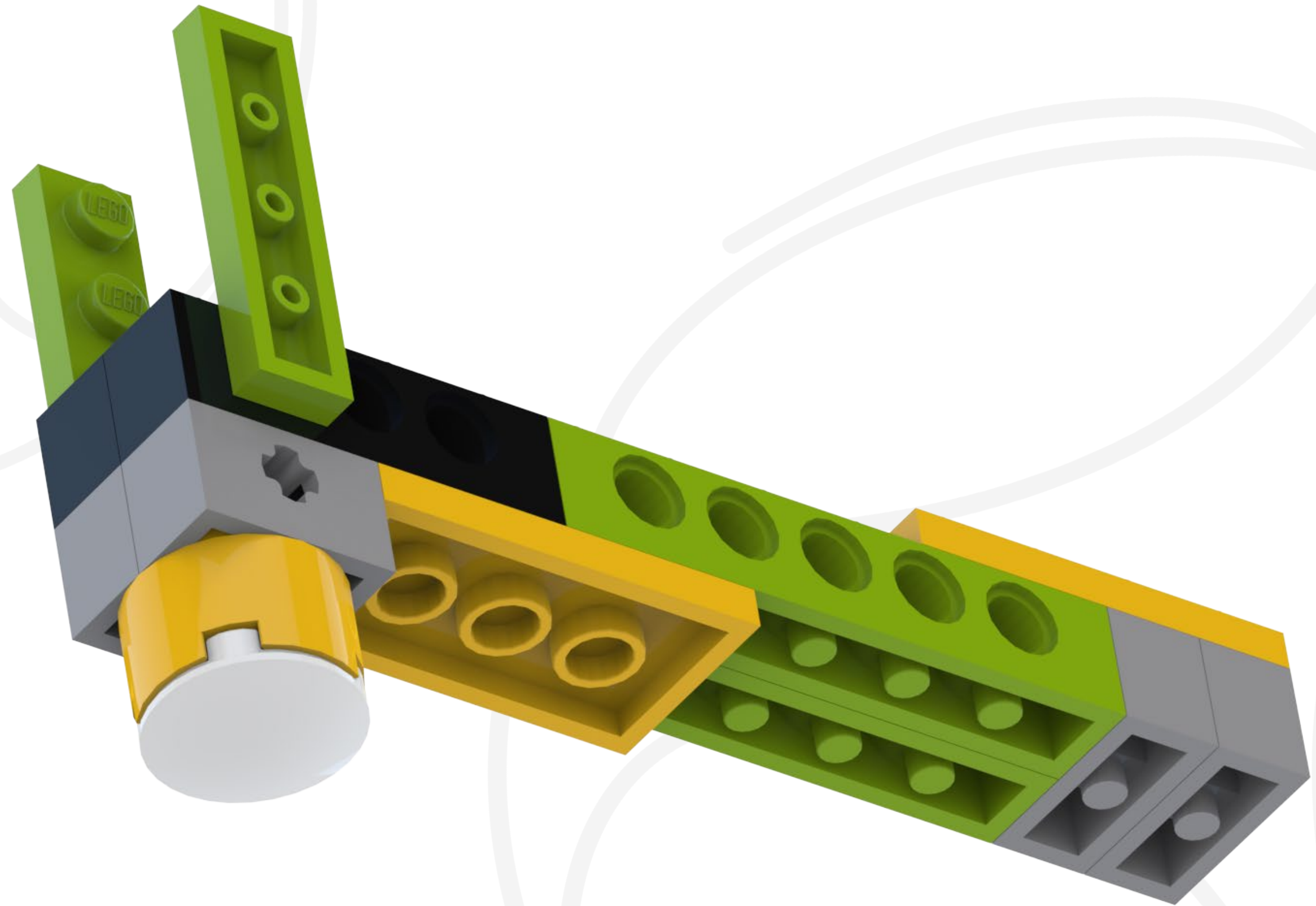
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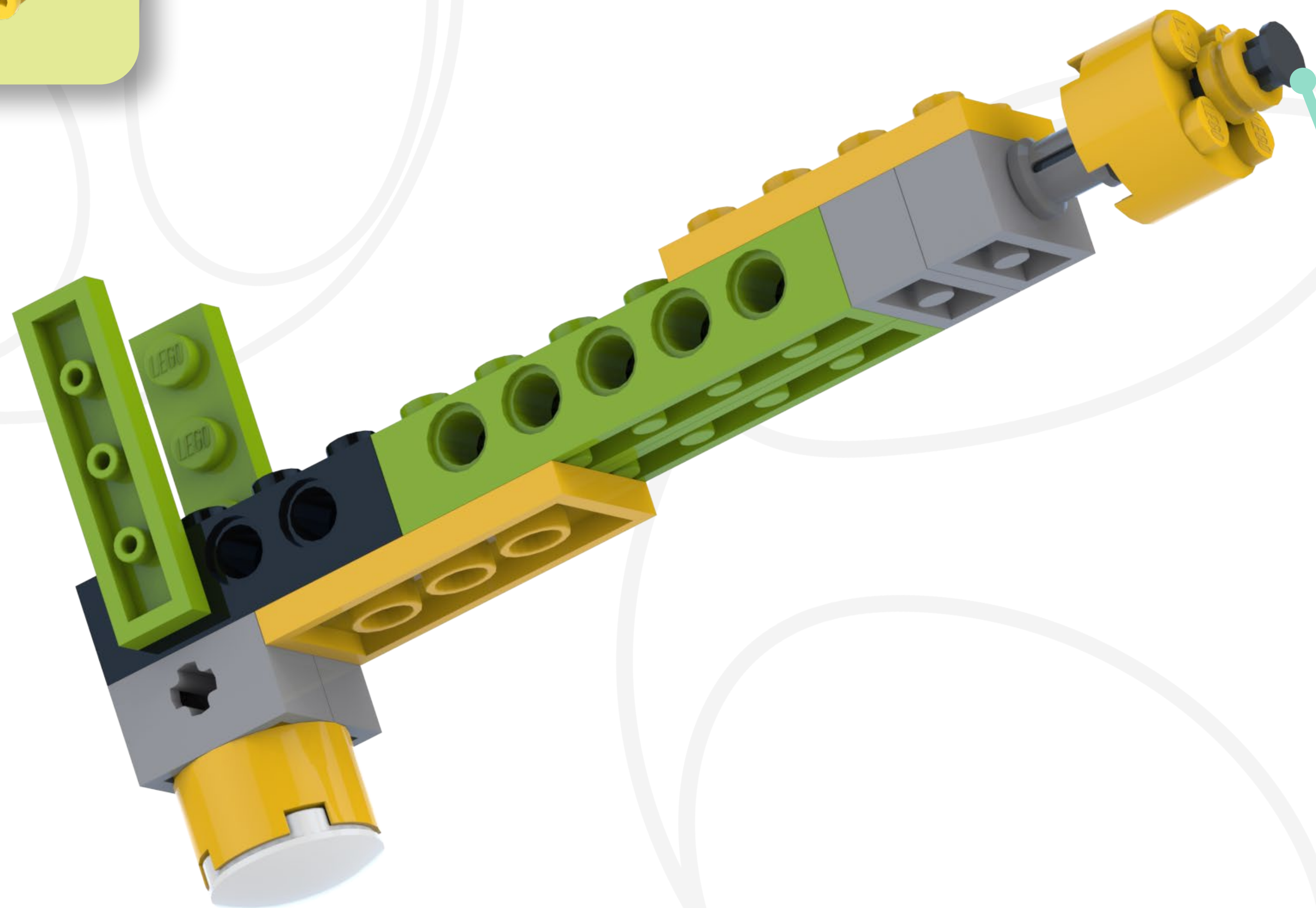


11



12

#4

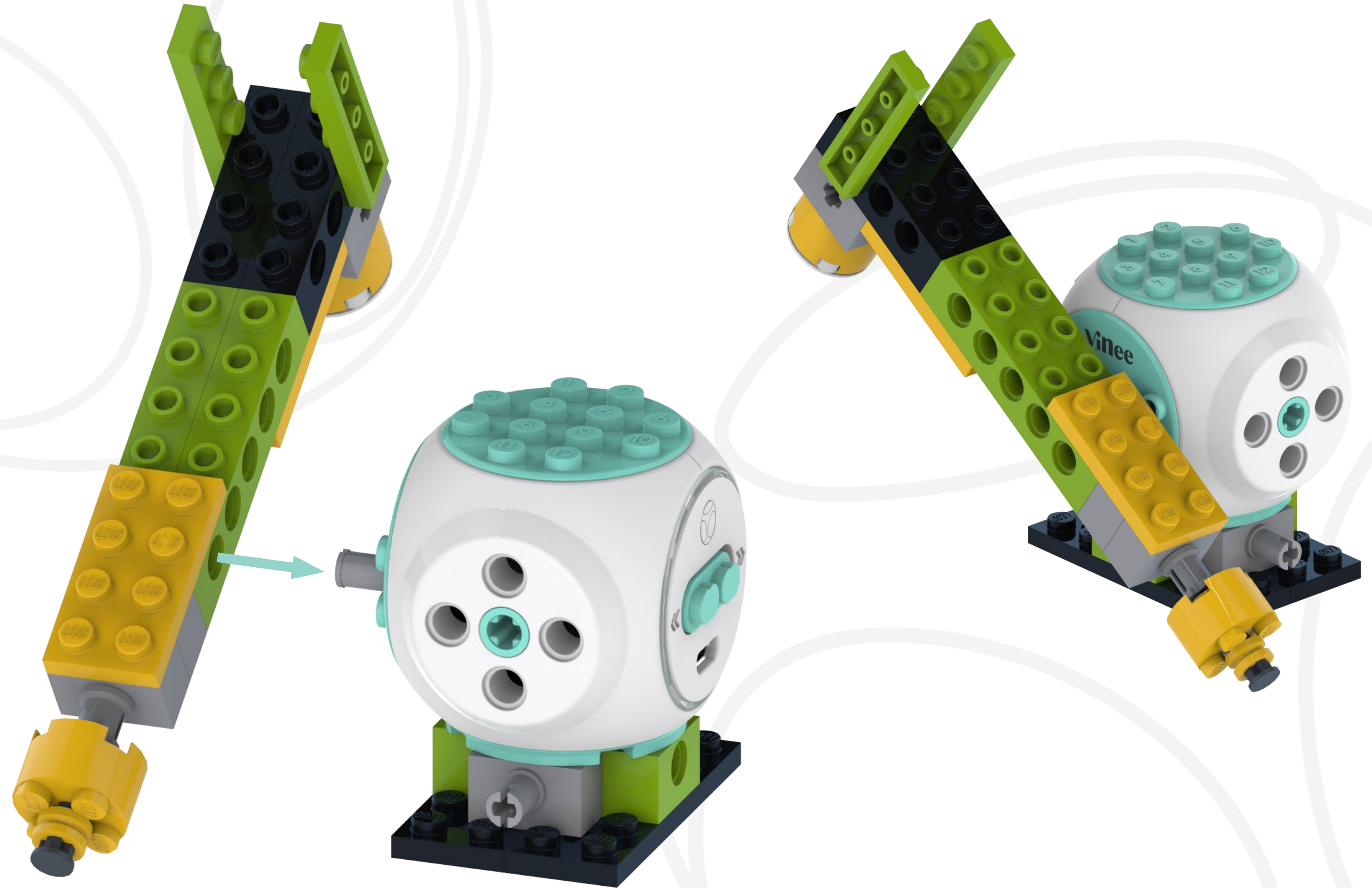


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13

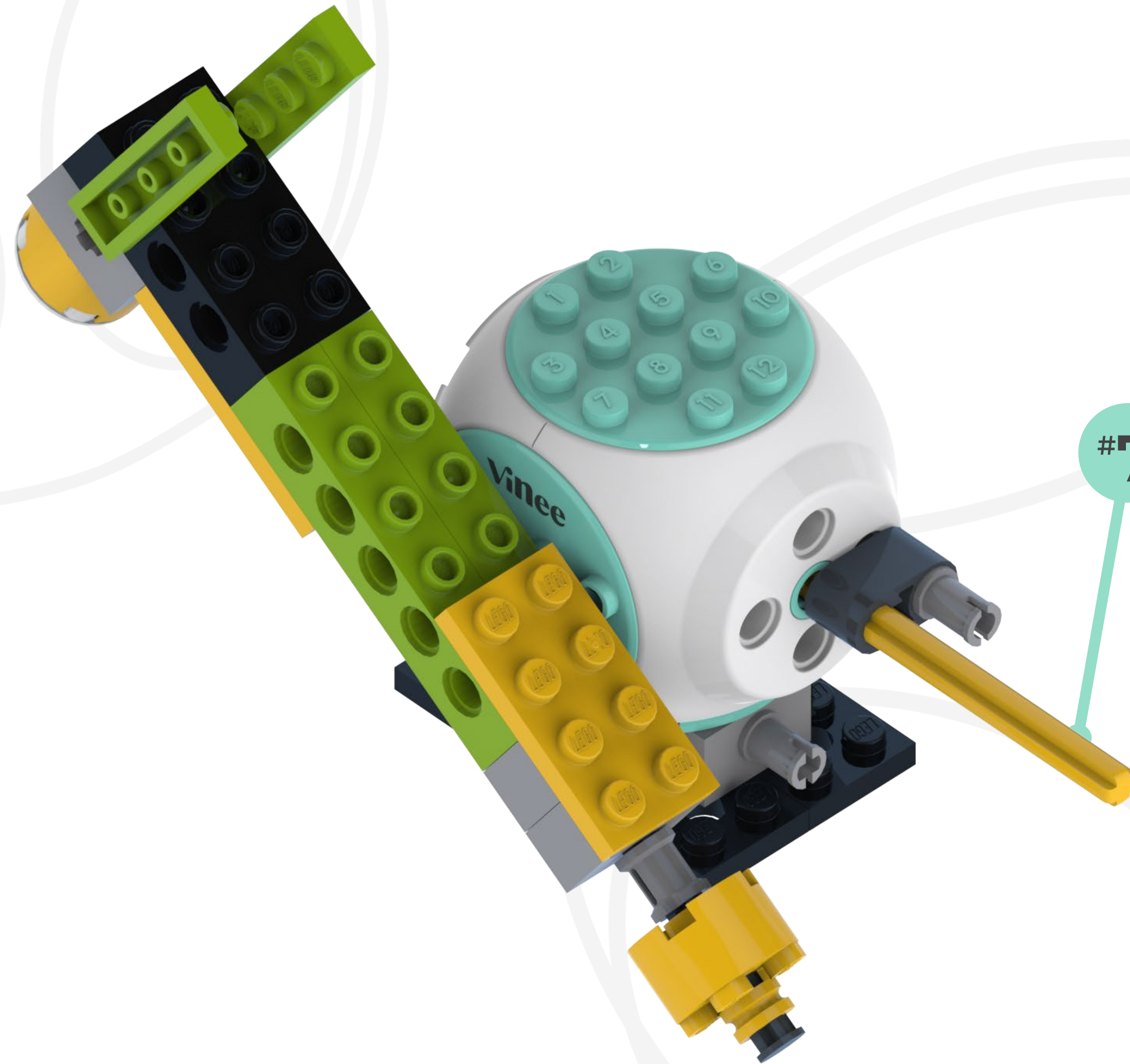
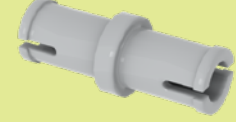
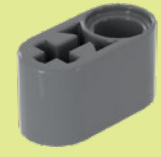

Attach!



14



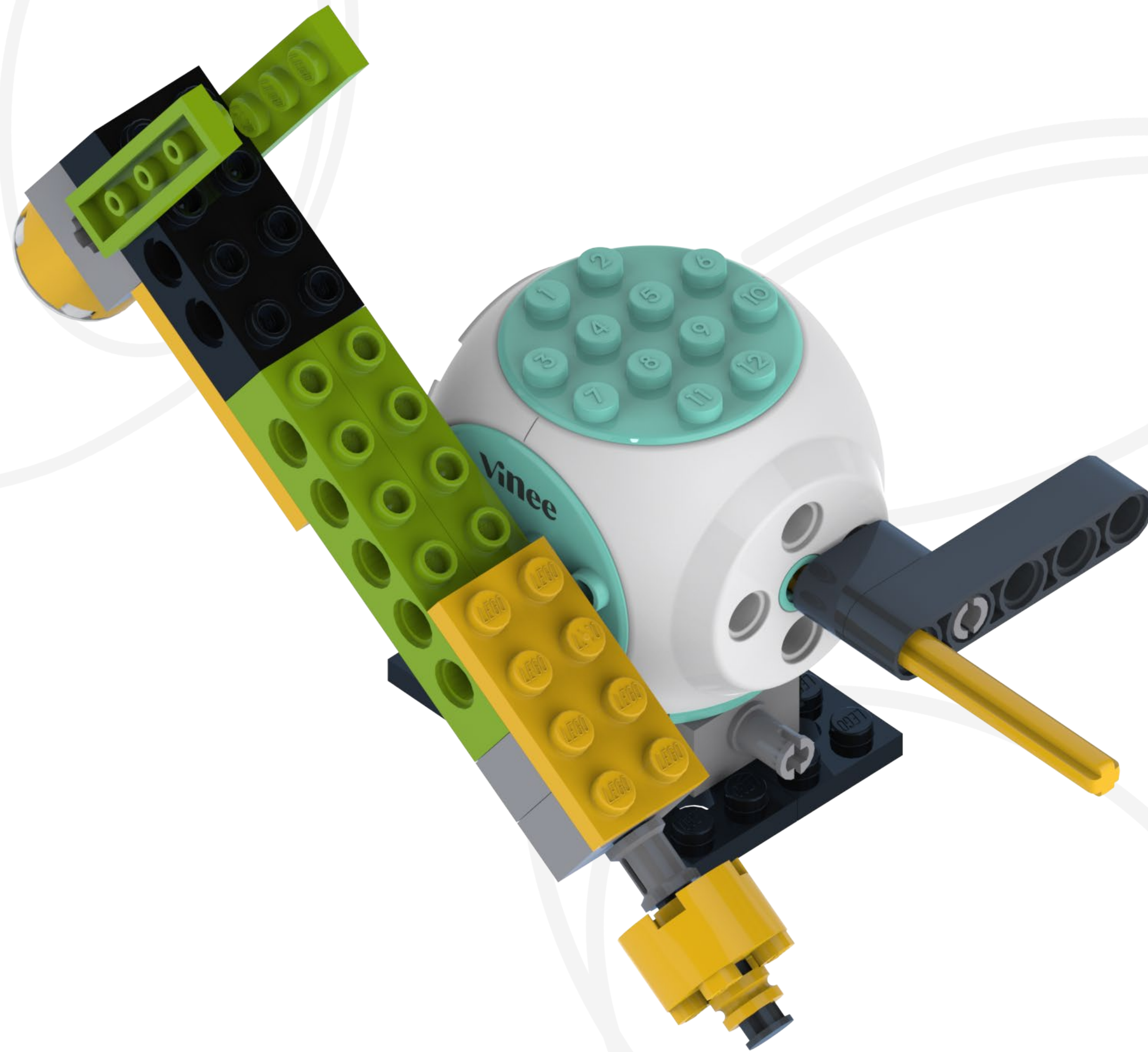
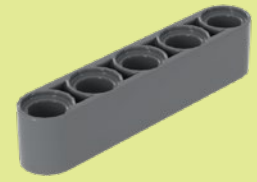
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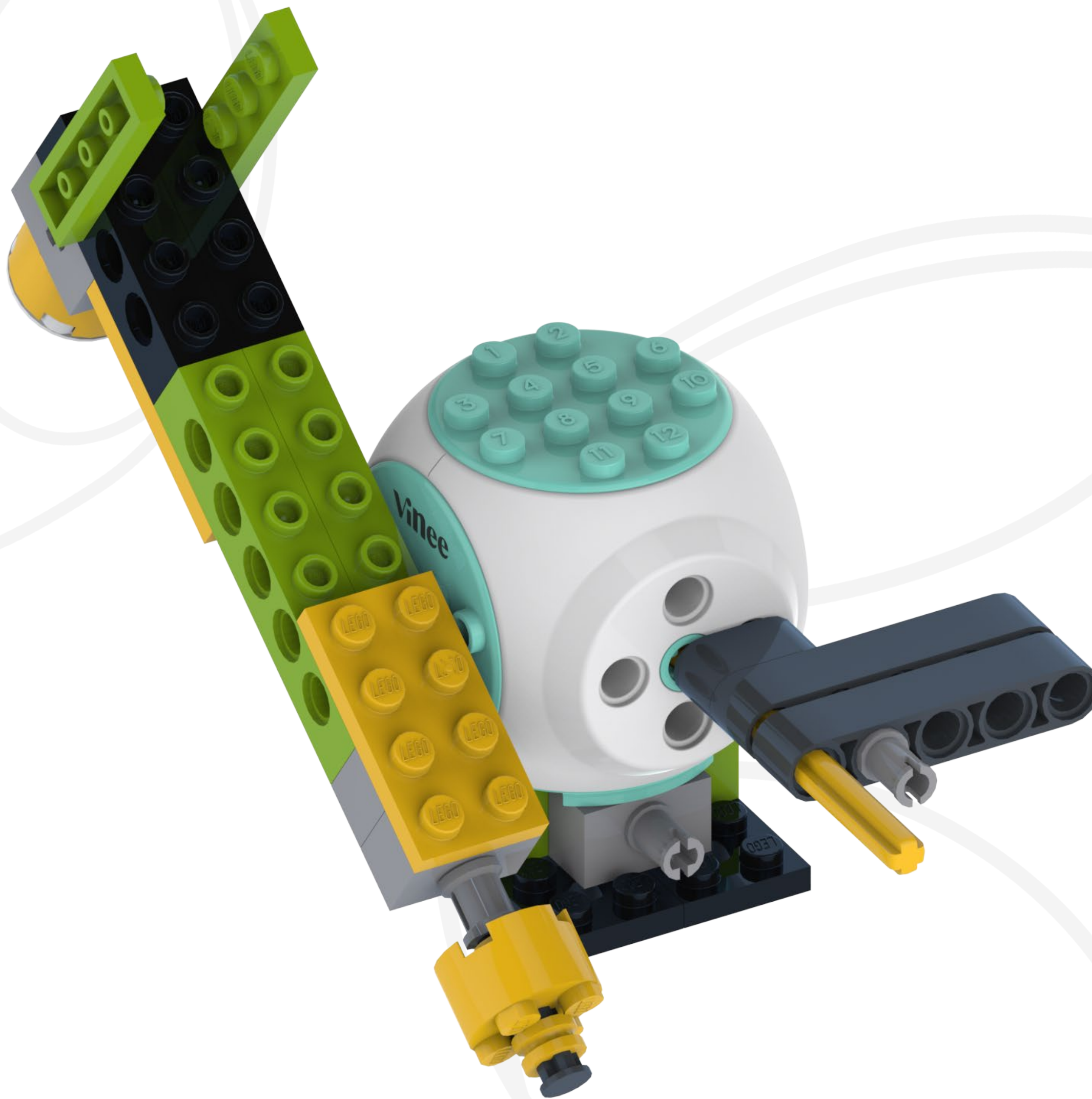
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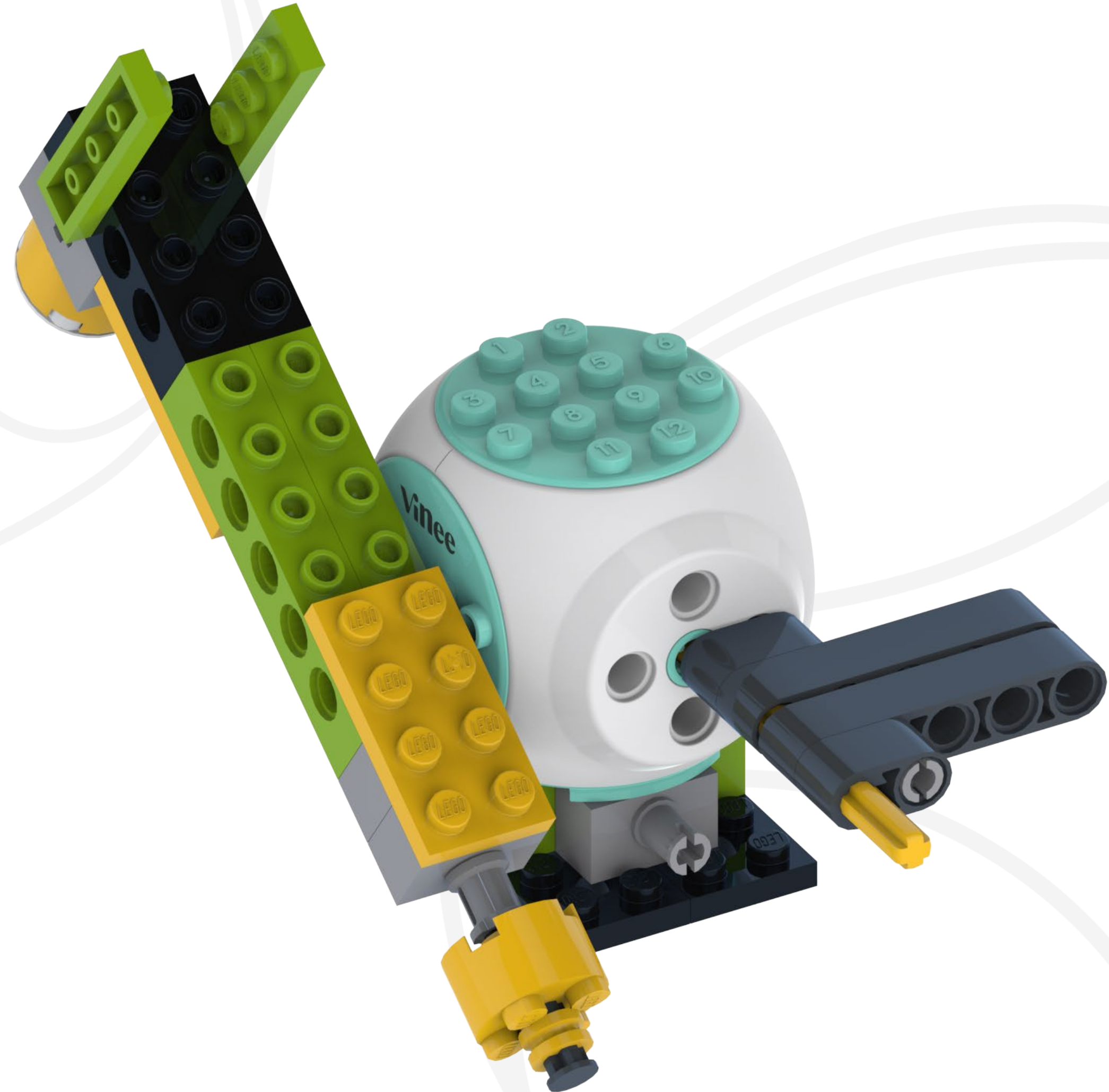
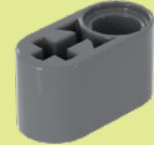
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16

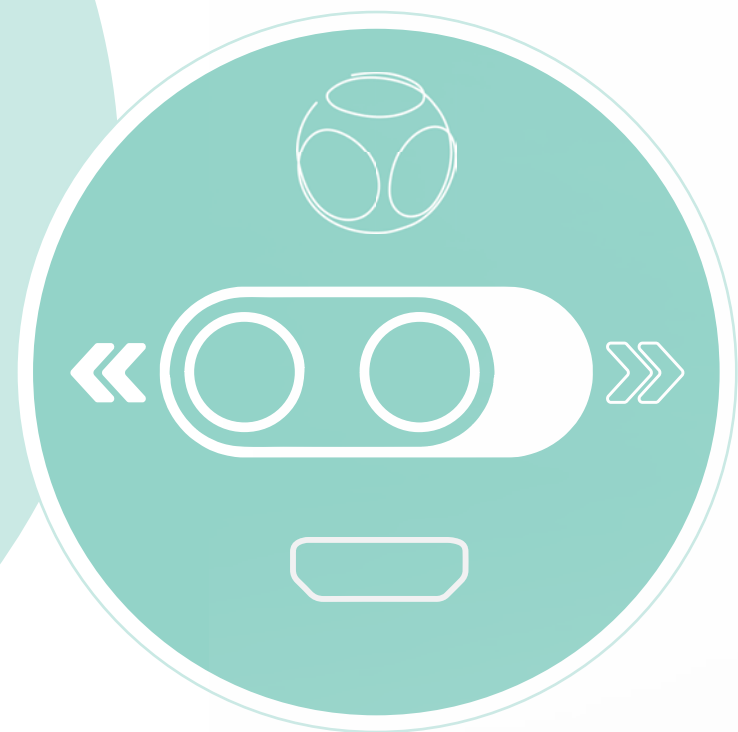


17



! Finished

Pay attention
to the motor
direction!



Learn

Lever

A lever is a long, sturdy body with three parts. it helps use lift heavy objects.

Fulcrom

The fulcrum is the place where the lever pivots.

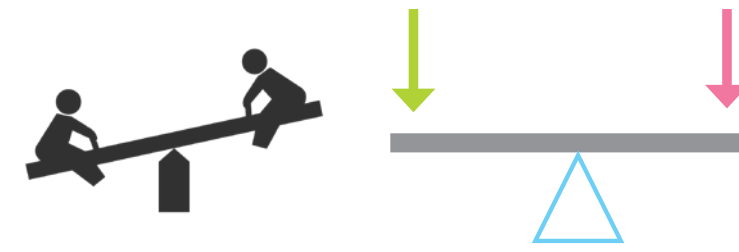
Load

The load is the object that is being lifted.

Force

In order to lift a load, there has to be a force acting to move the load.

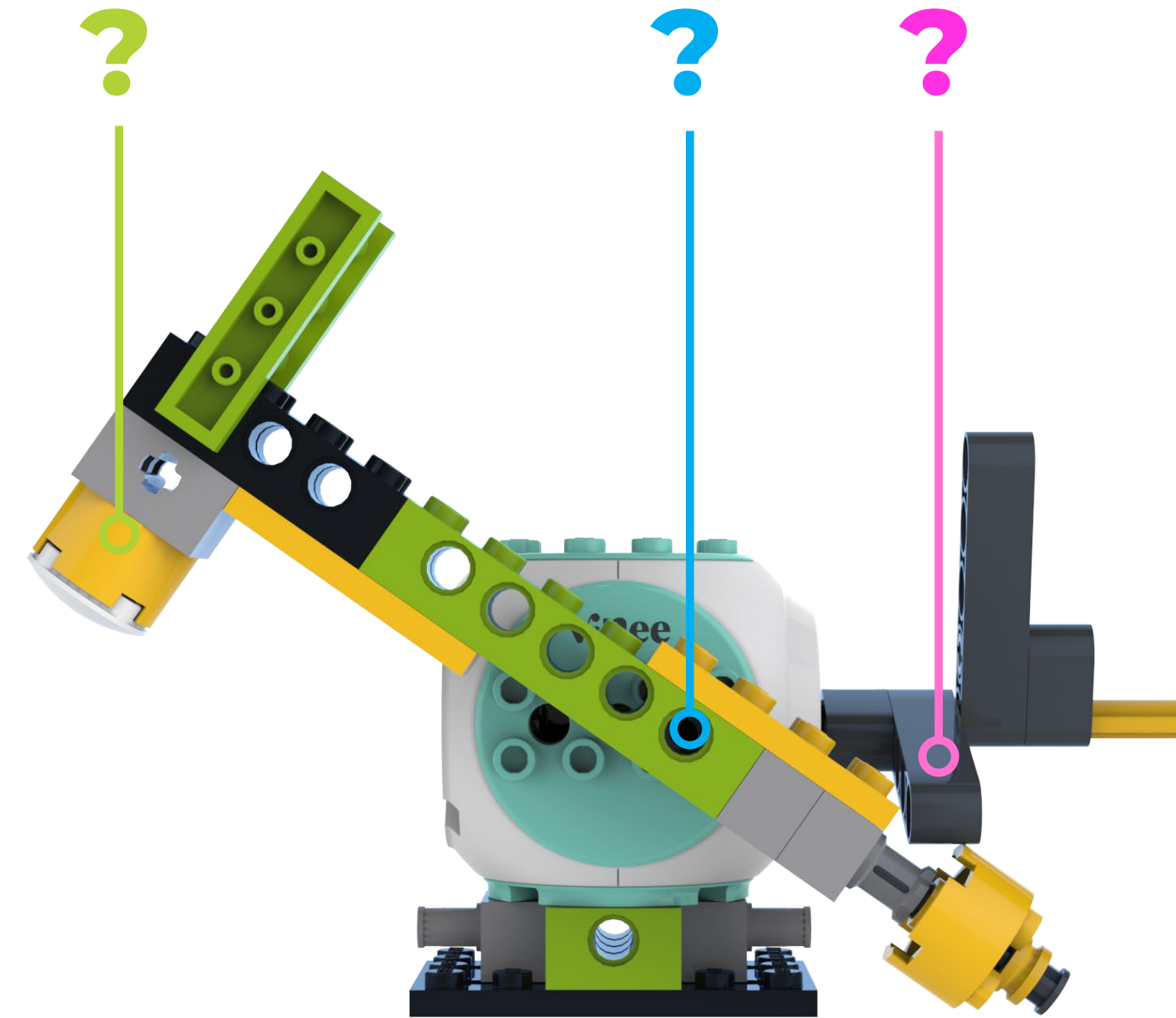
1st Class



2nd Class



3rd Class



Task

1. Identify the fulcrum (pivot point), the force, and the the load. Which class of lever is this hammer machine?
2. Change the beam position on the axle (pictures on the right). How does the hammering speed change? How does the pattern change?
3. A real hammer is also a lever (with out power). Which class of lever is a real hammer?

You are really getting
good at building!



vinee

