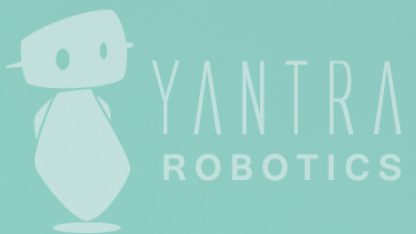
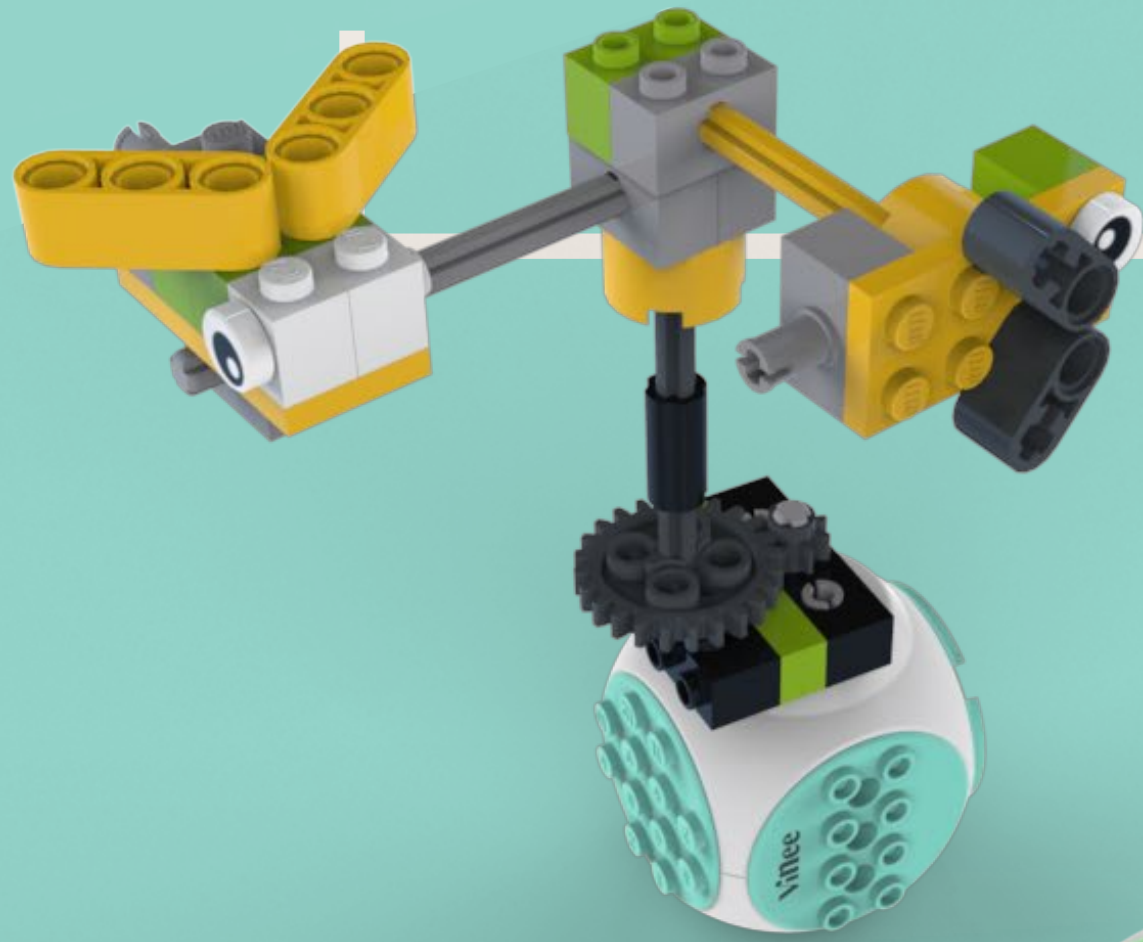
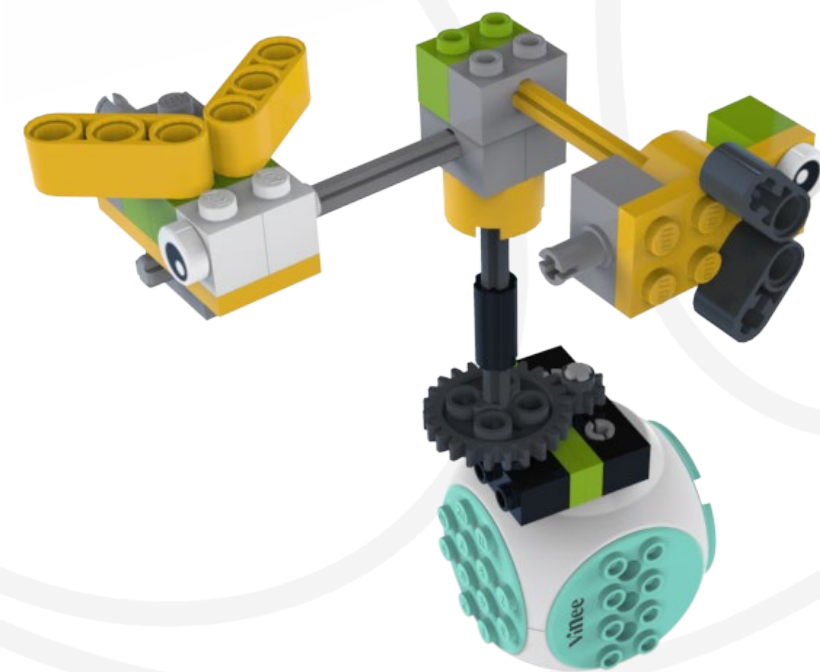


Start
Building!

Busy Bees



Busy Bees



Description:

Busy Bees uses gears to transfer power and motion from one axle to another. Learn why gears have teeth and how they can interlock to turn each other.

Experiment with gear ratio by swapping the gears to change the speed.

ViNee Set:

Essential

Learn:

- Gears
- Gear ratio

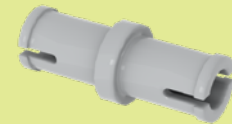
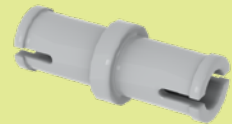
Parts In This Build



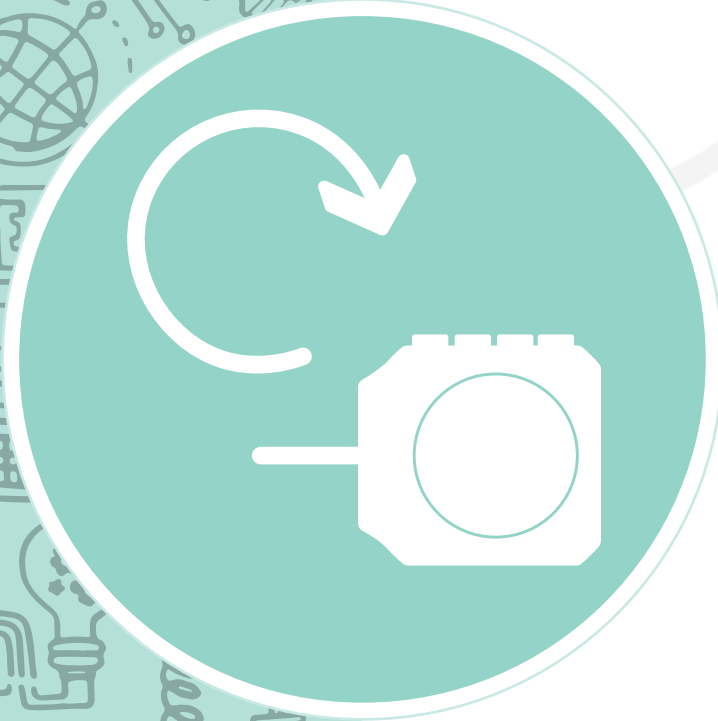
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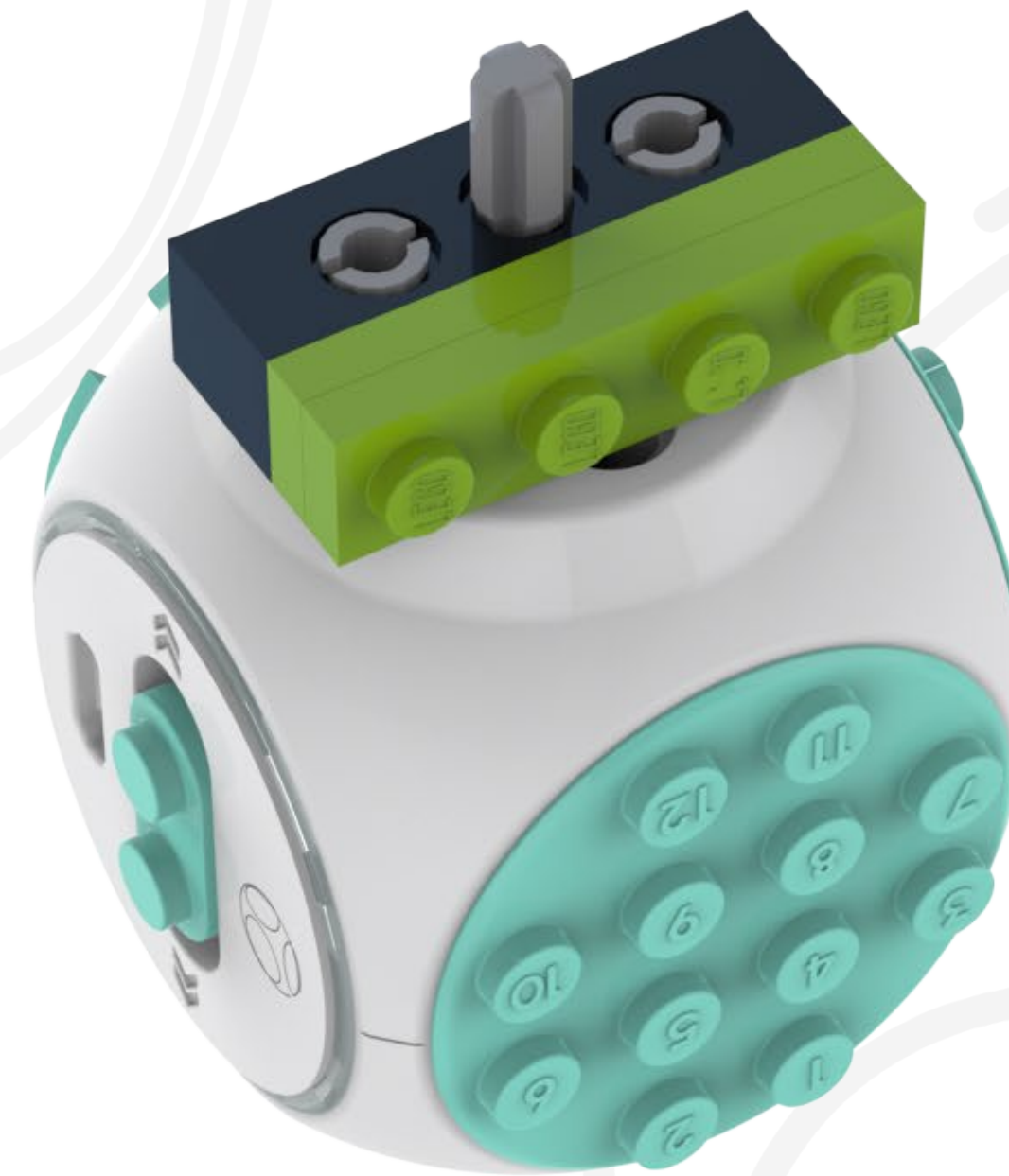
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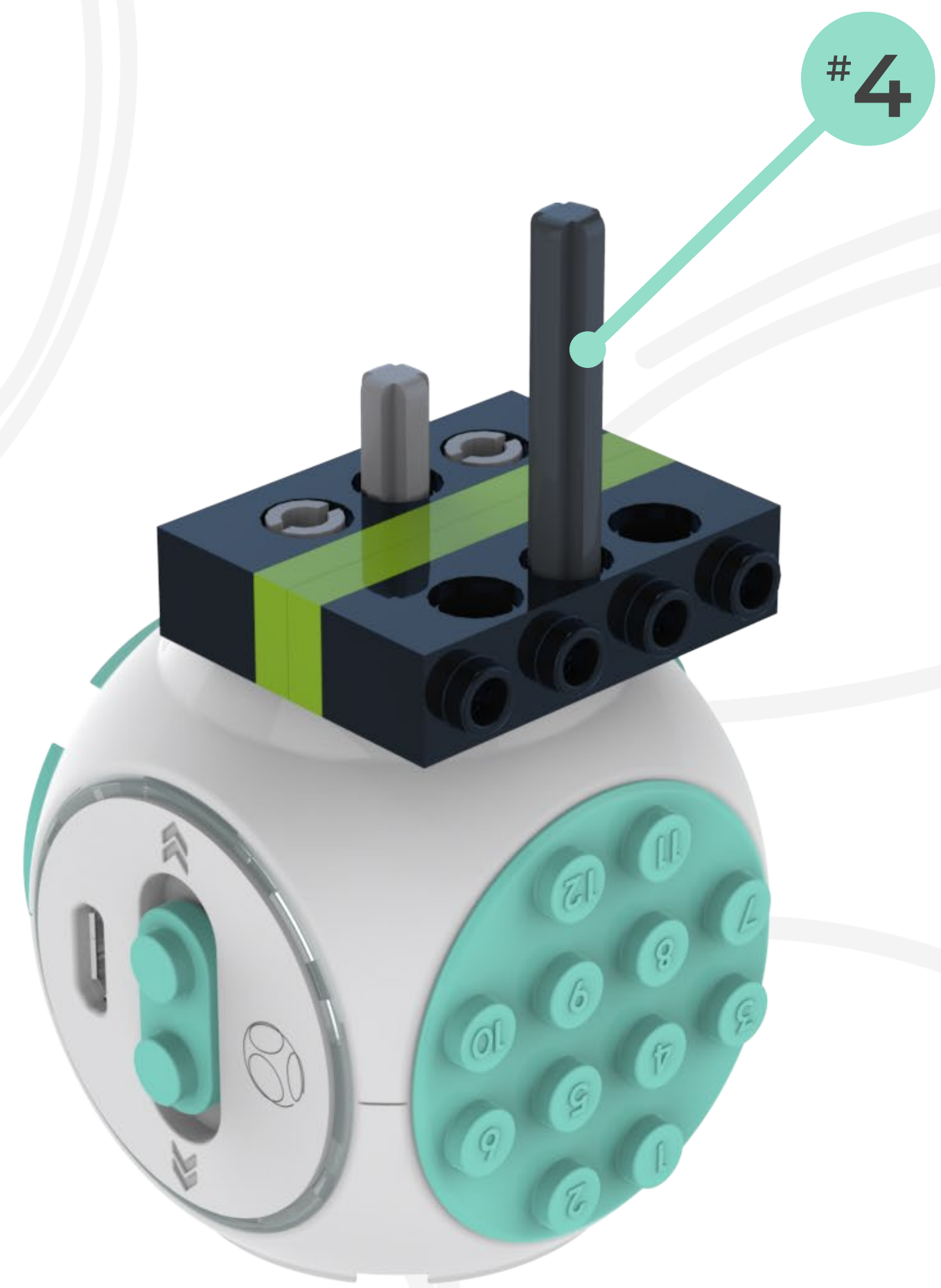
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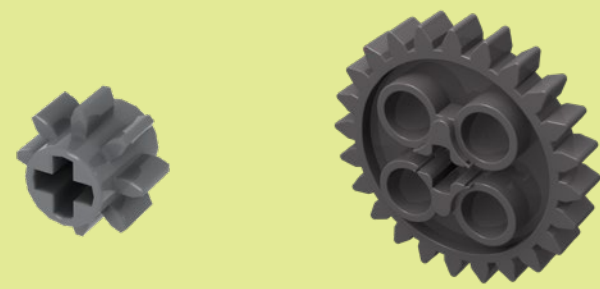
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3 #4



4



5



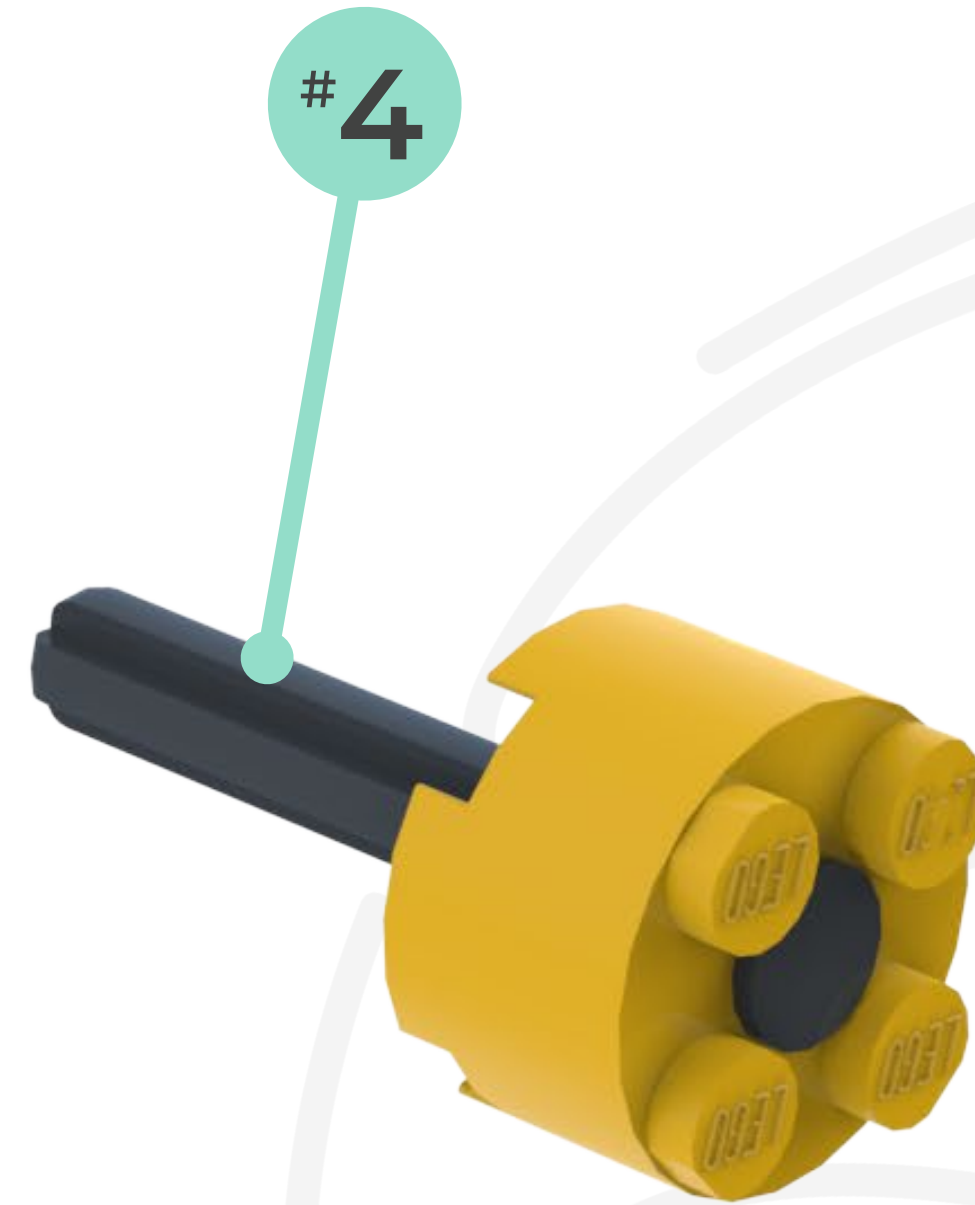
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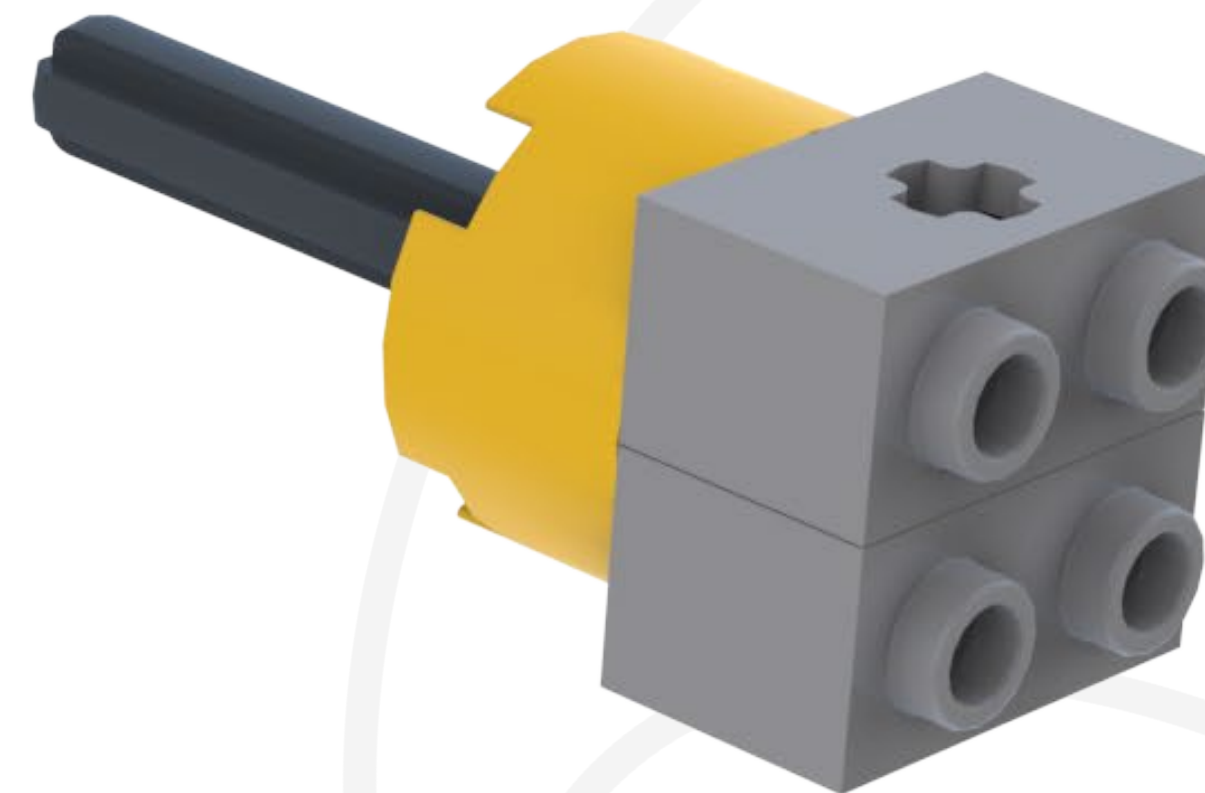
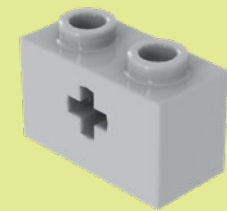
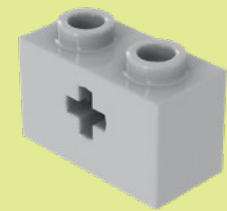
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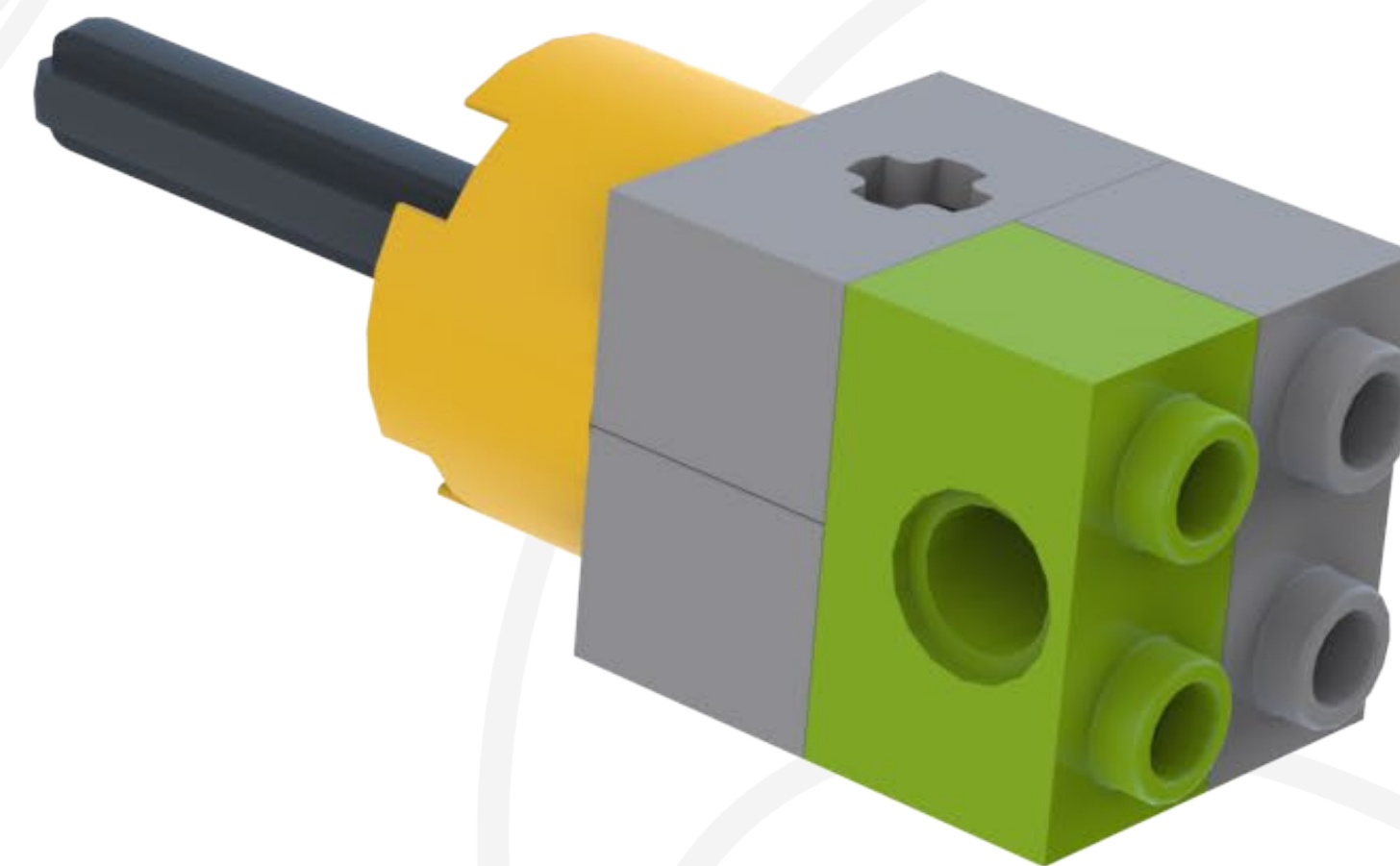
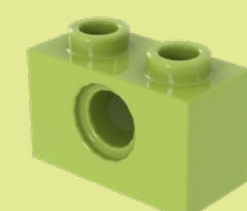
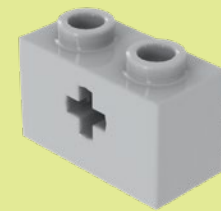
New Assembly



7



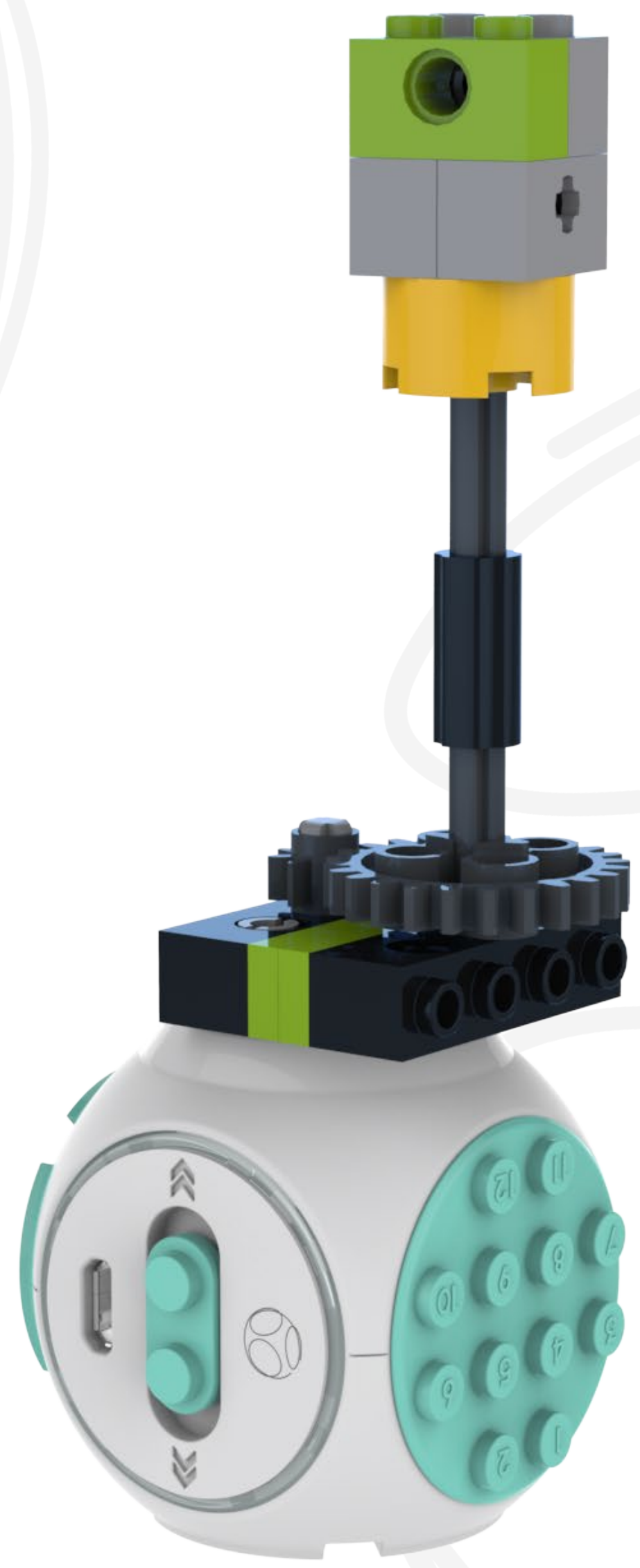
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9



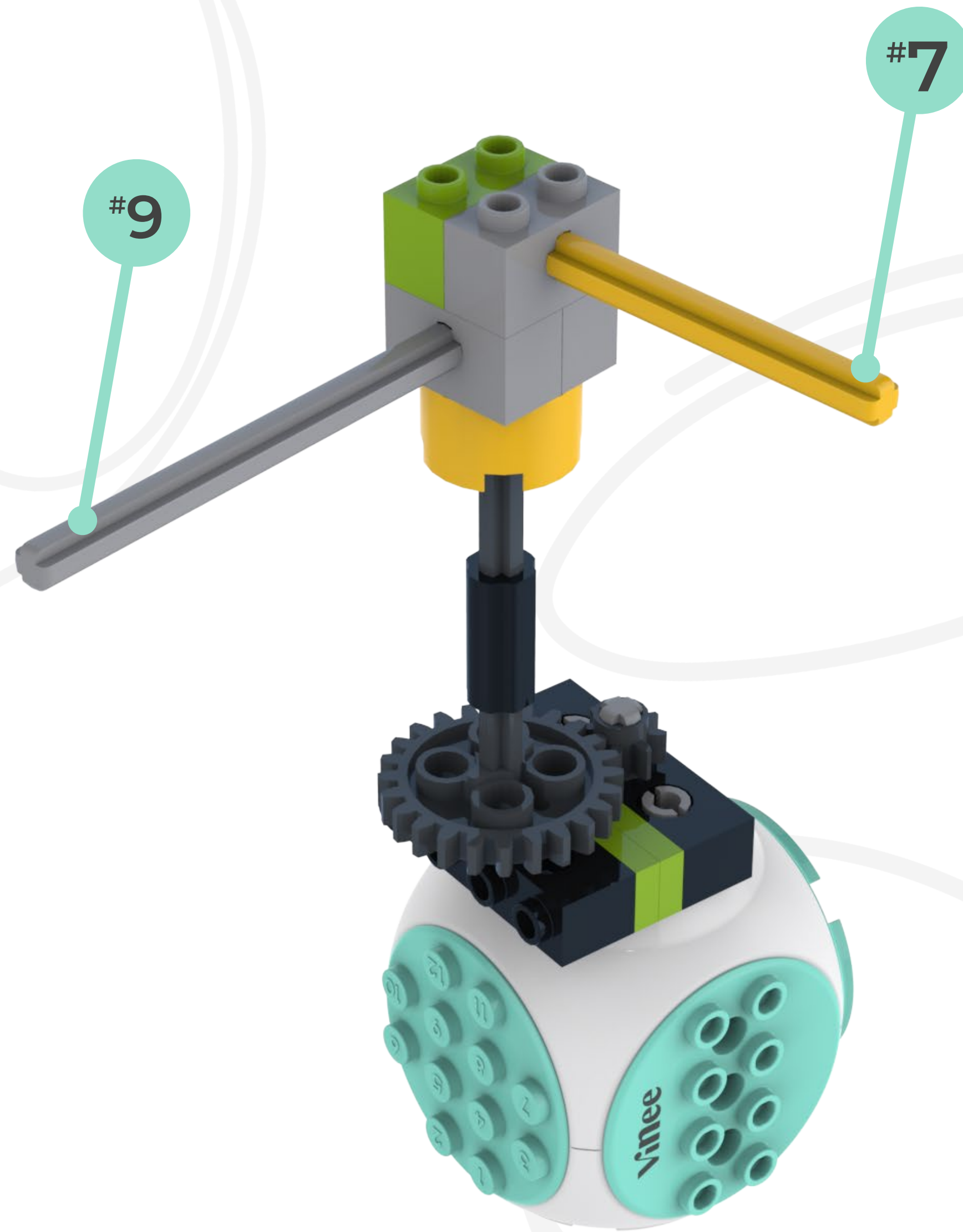
Attach!



10

#9

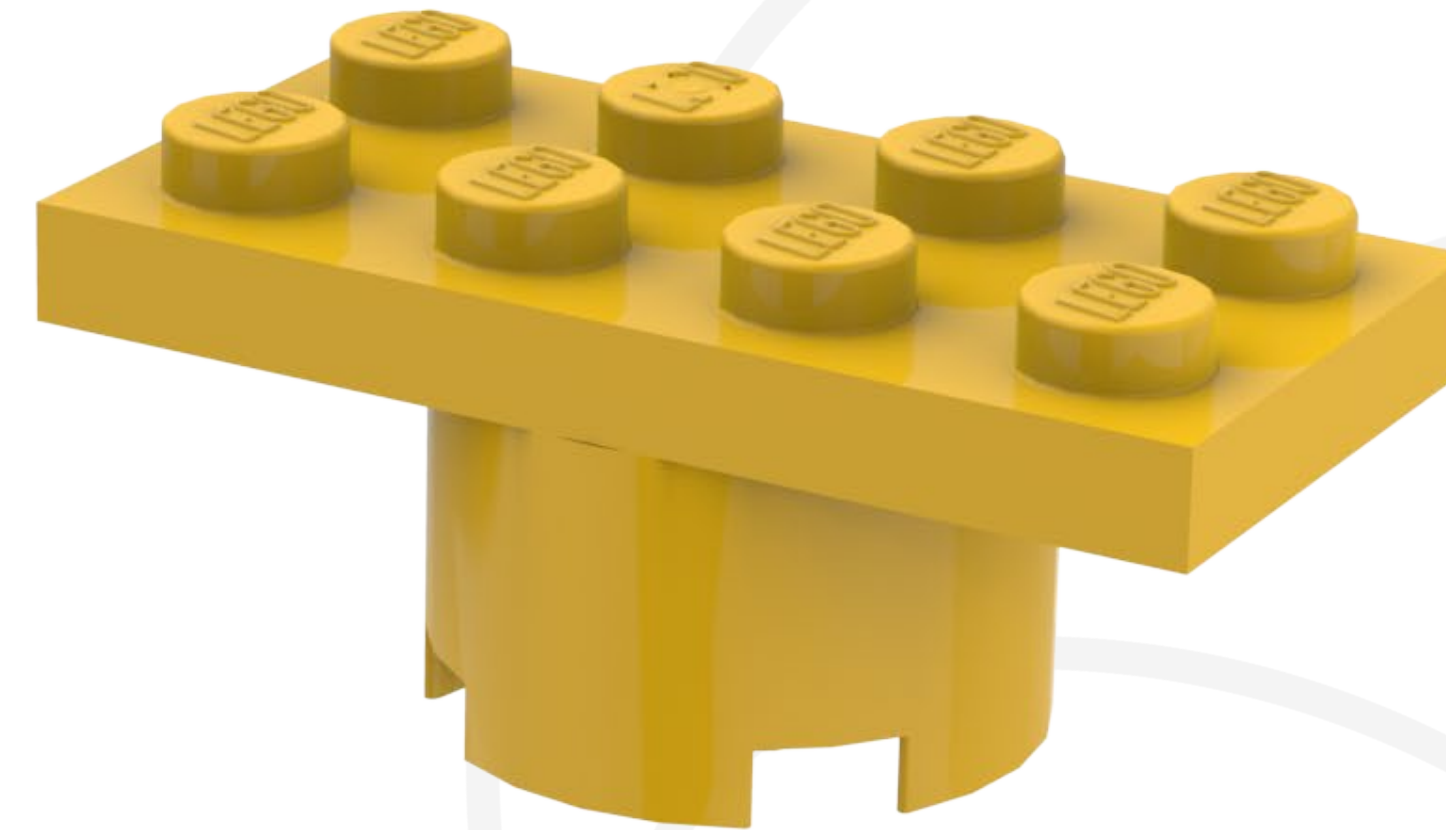
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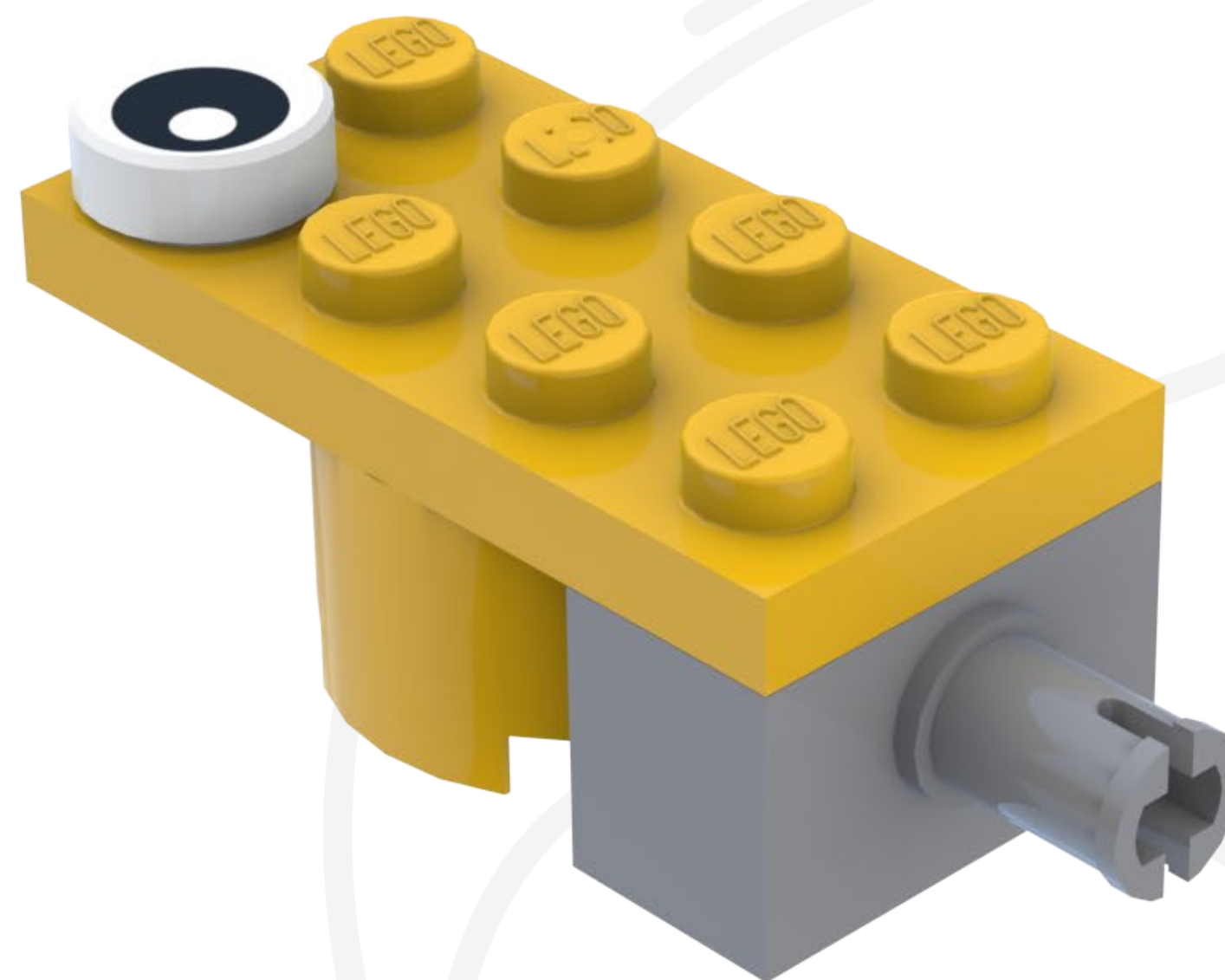
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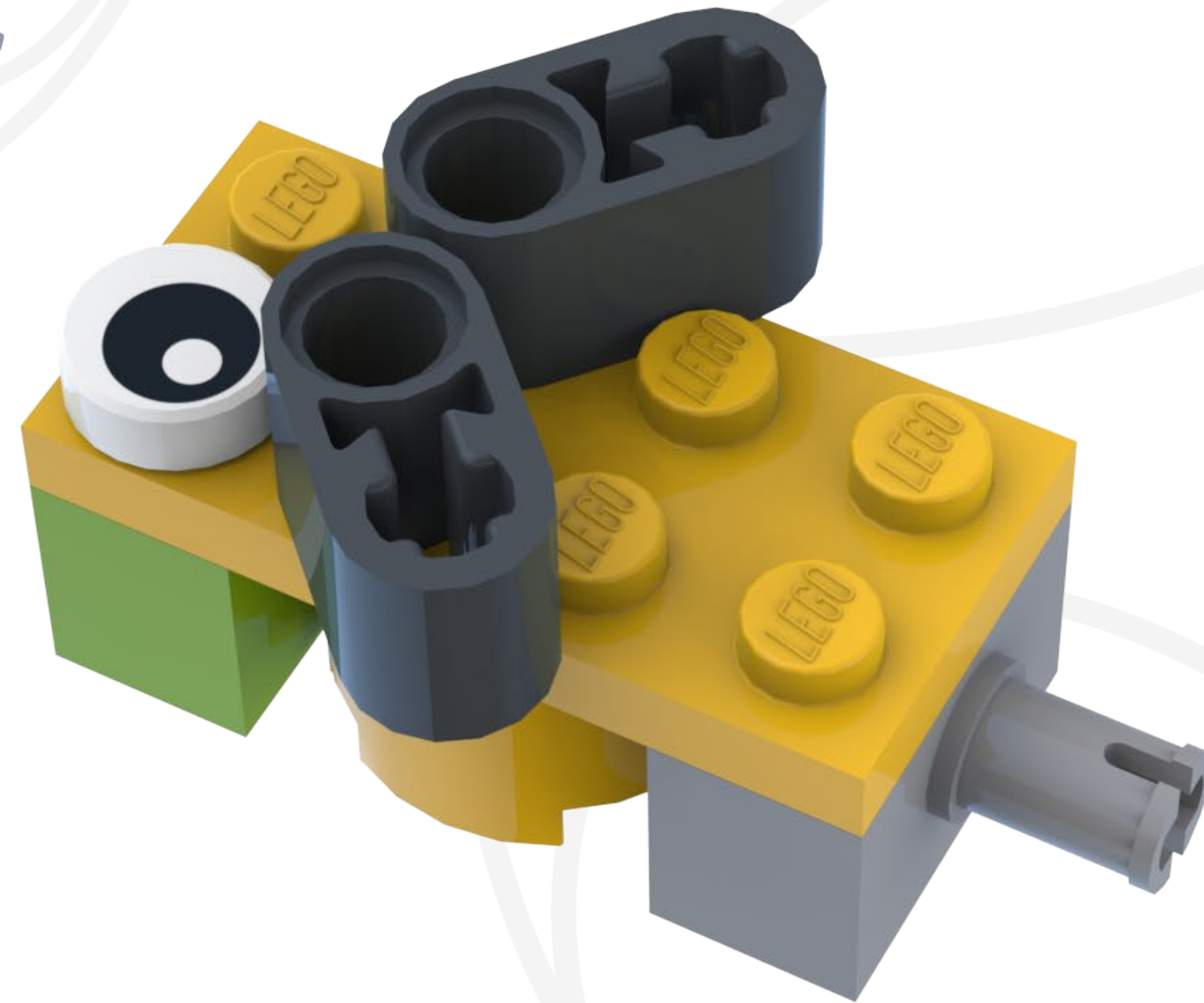
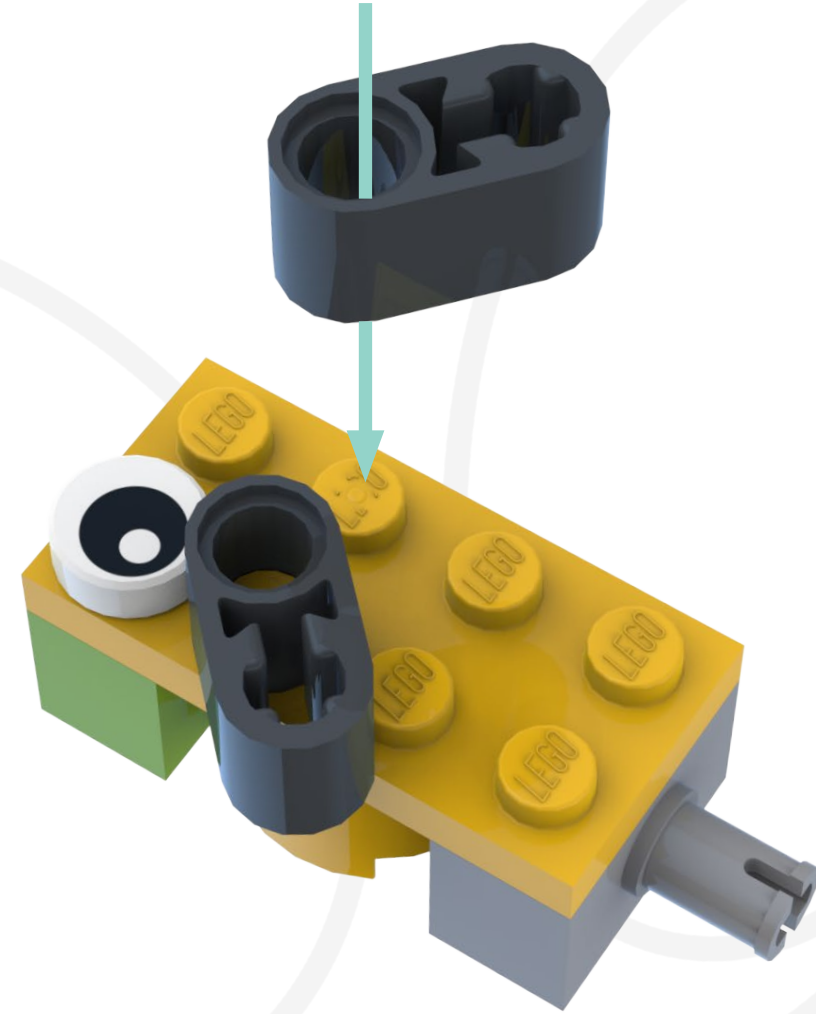
New Assembly



12

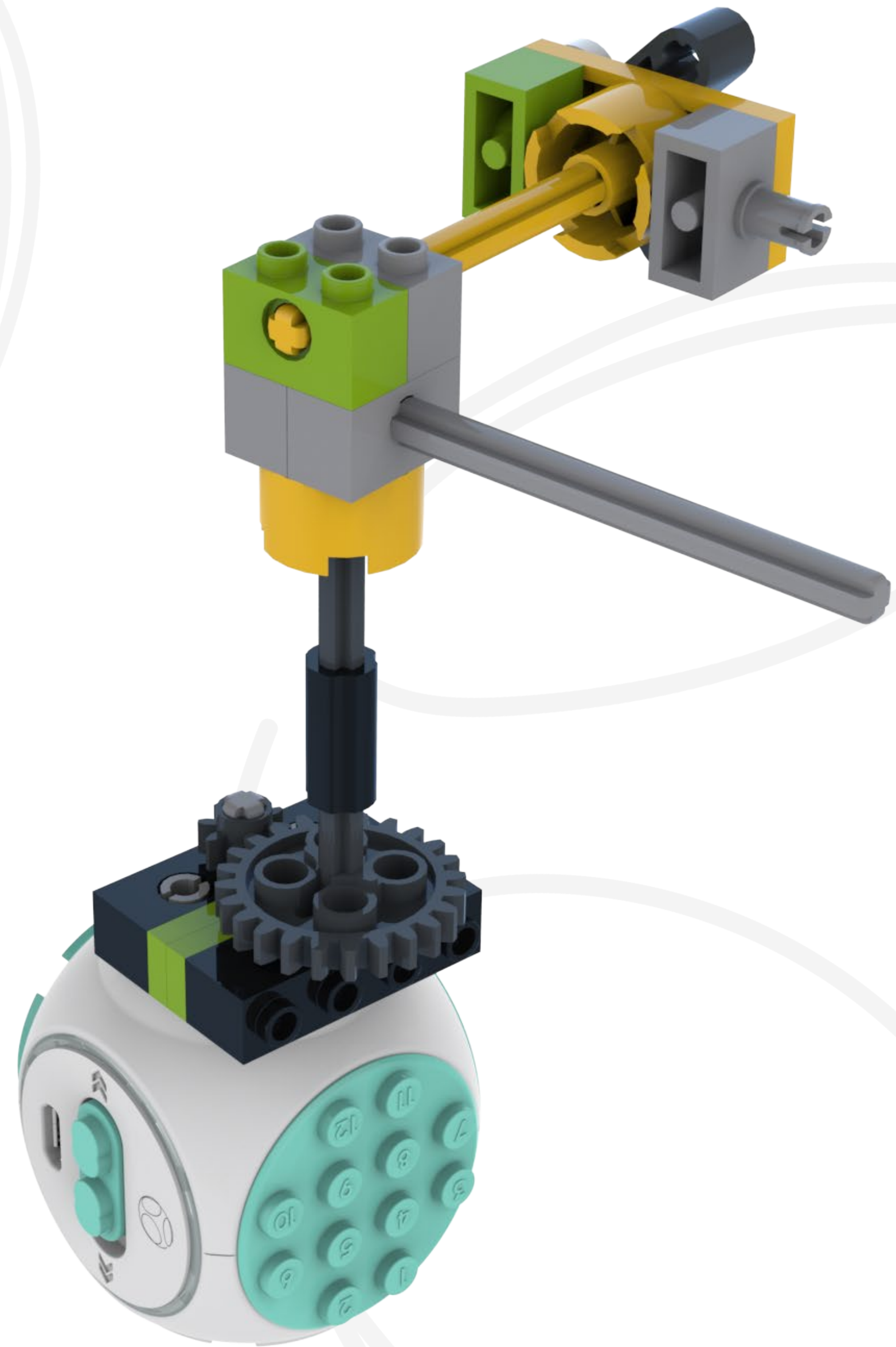


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14

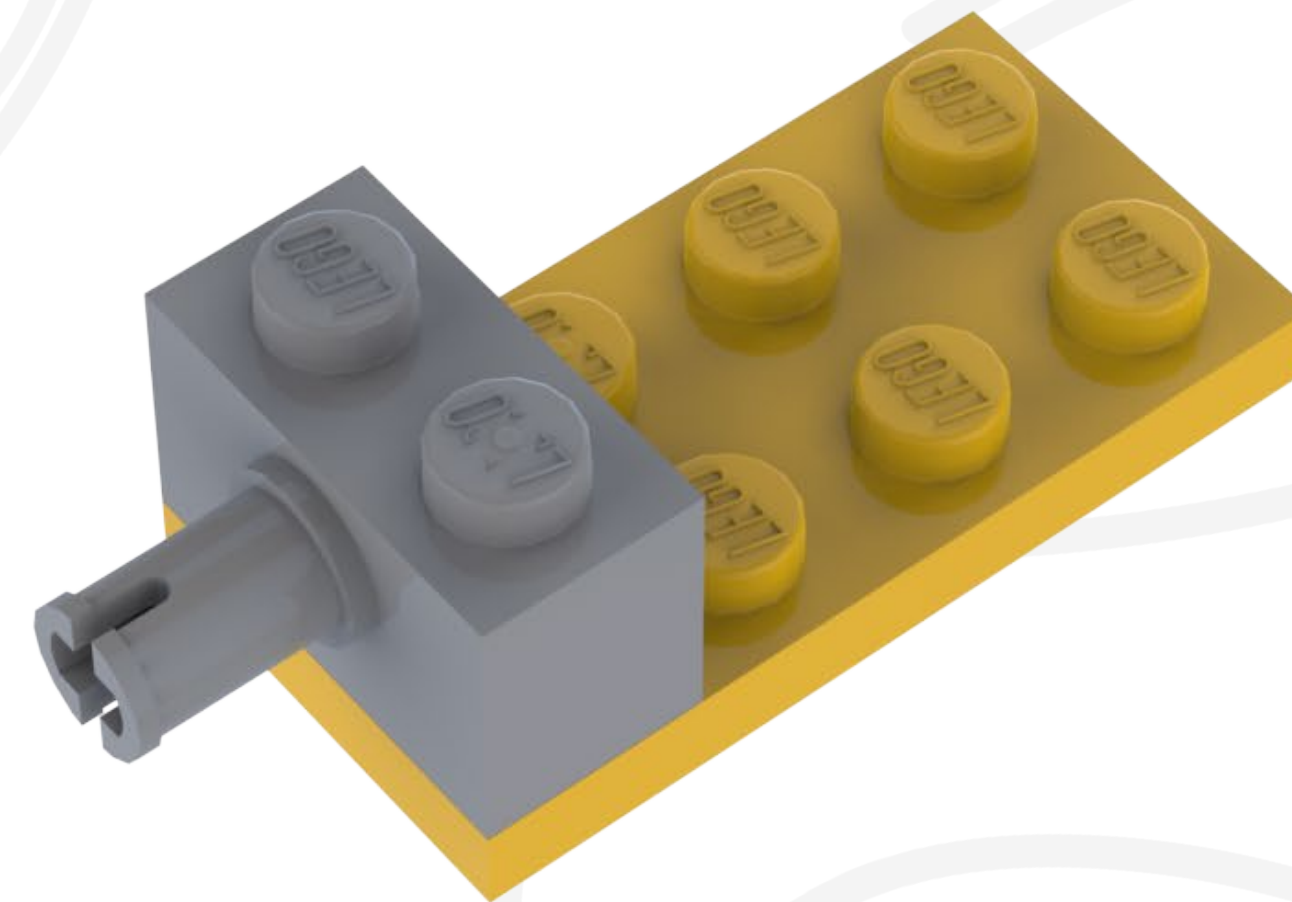
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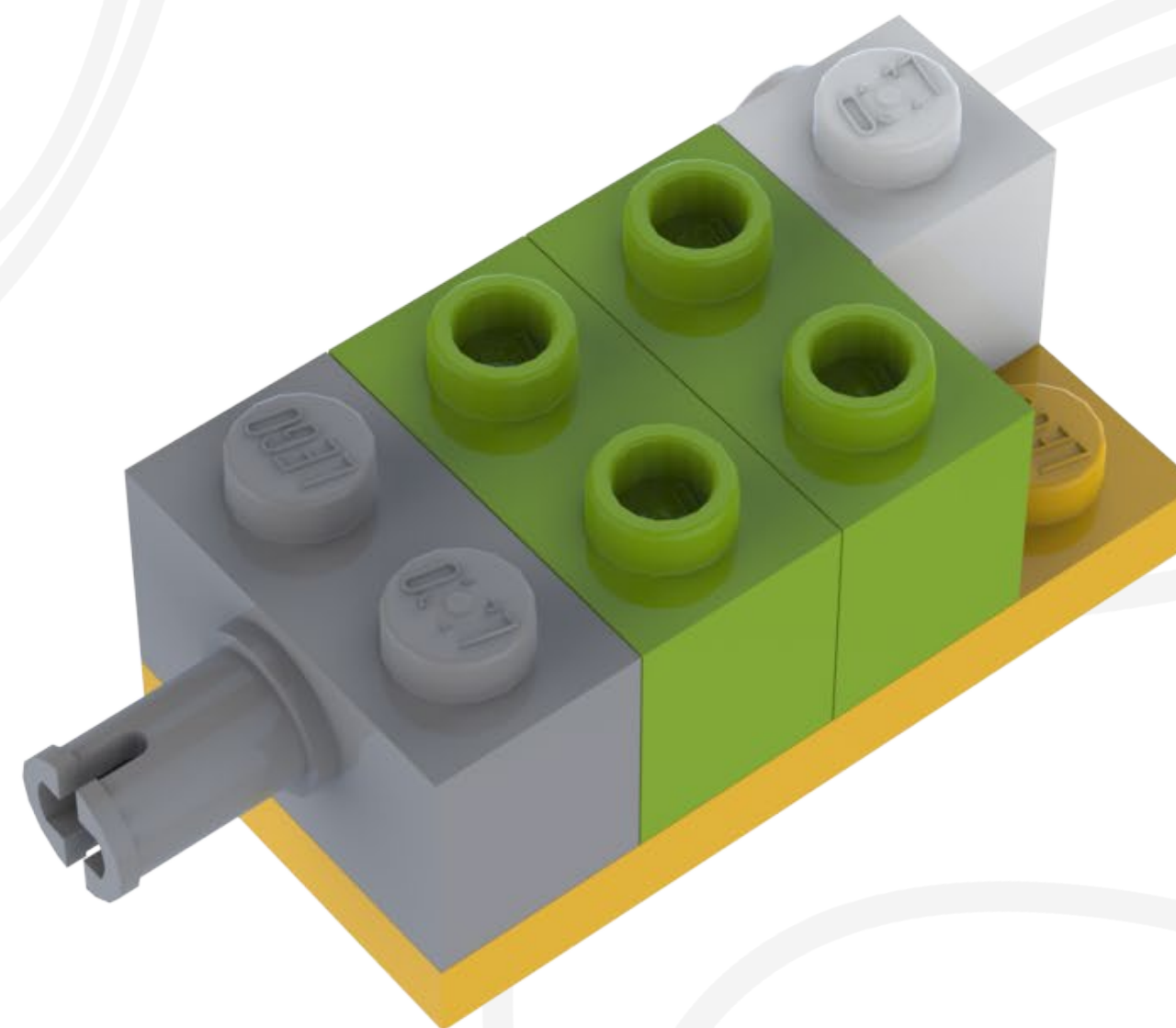
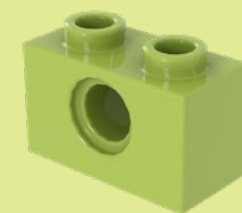
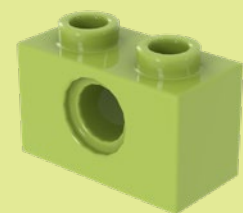
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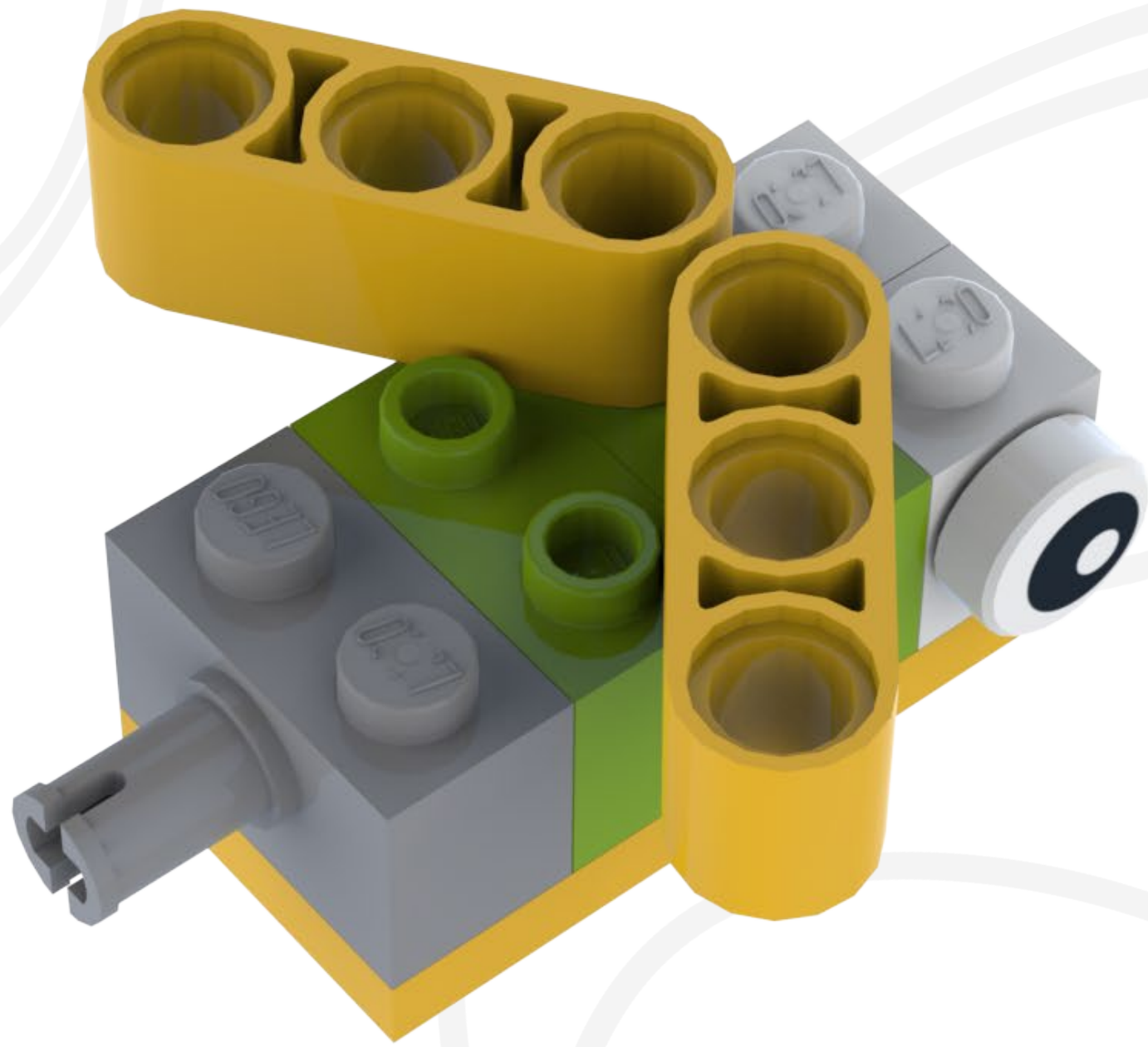
New Assembly



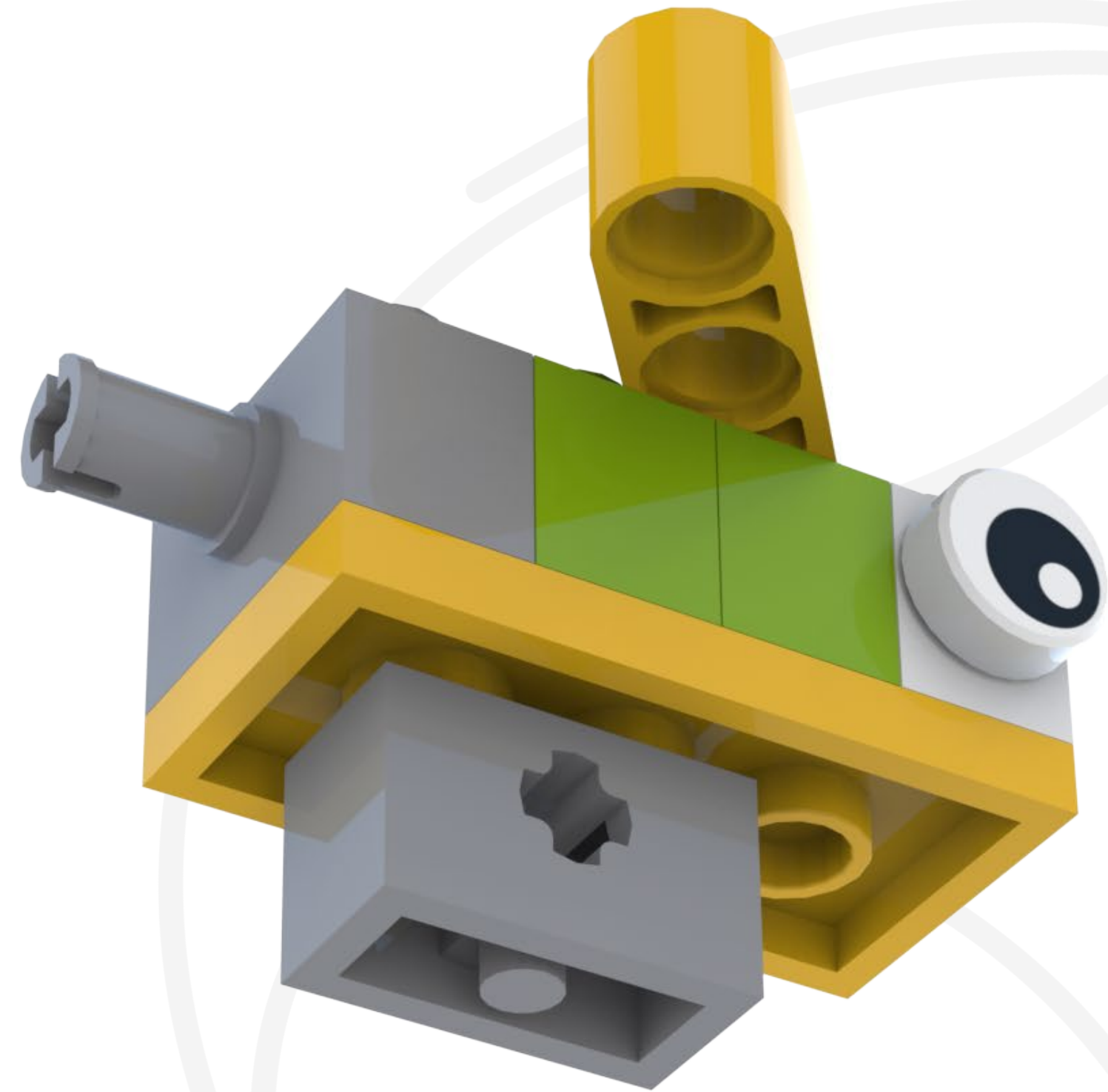
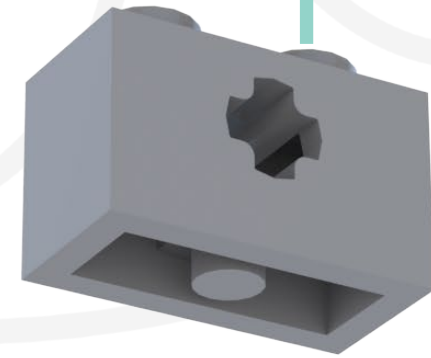
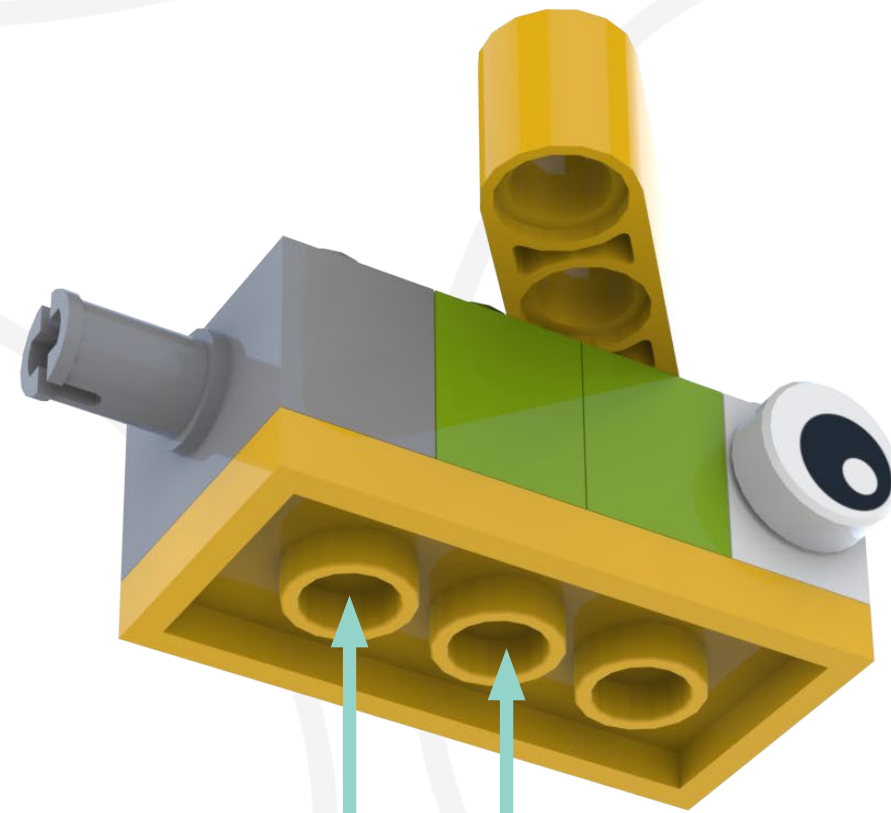
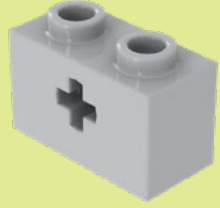
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17



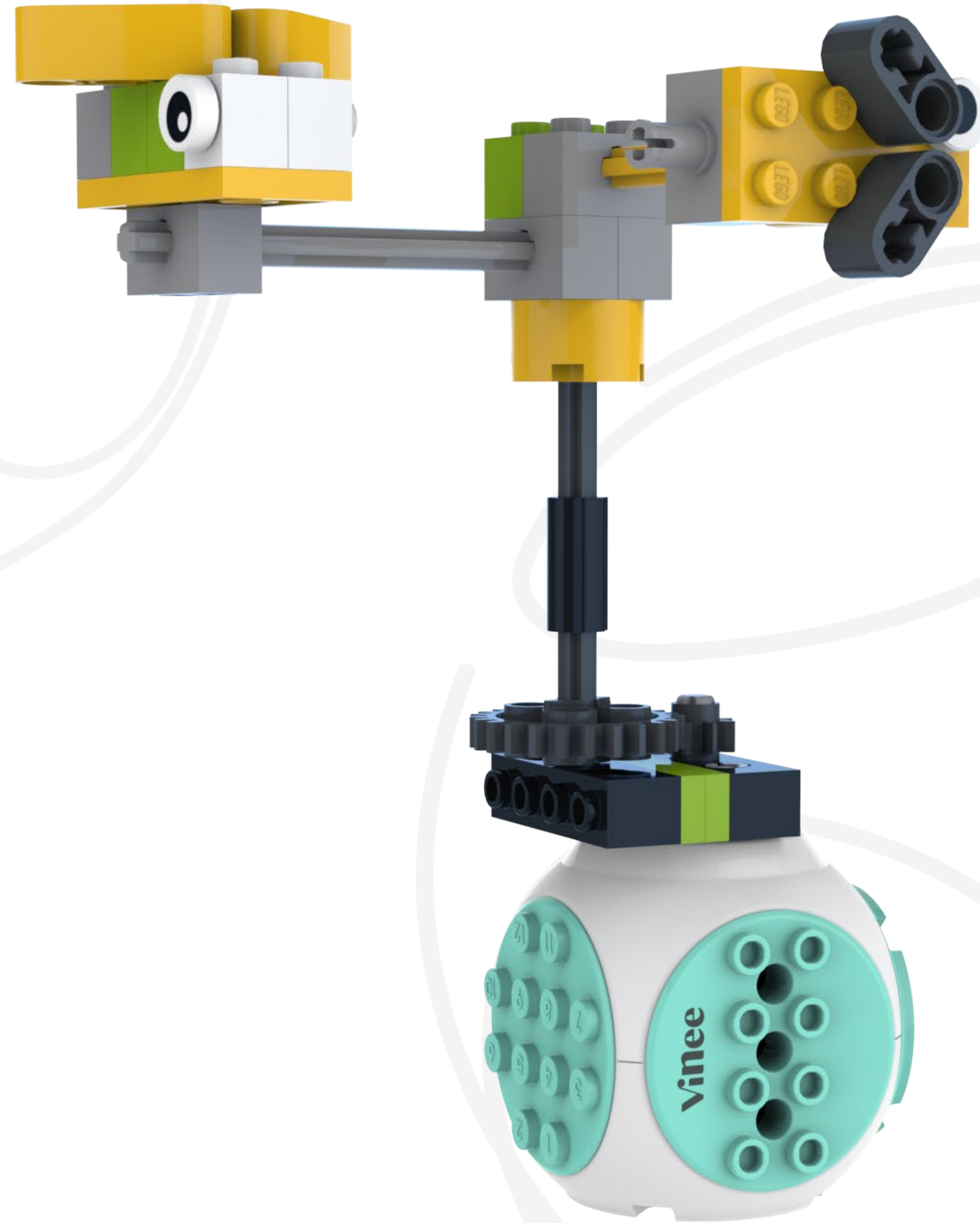
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19

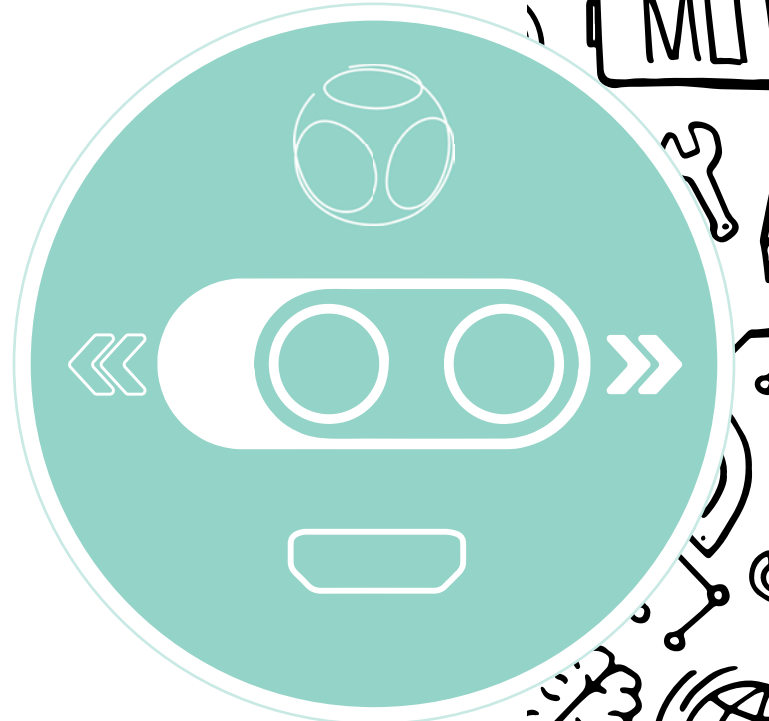
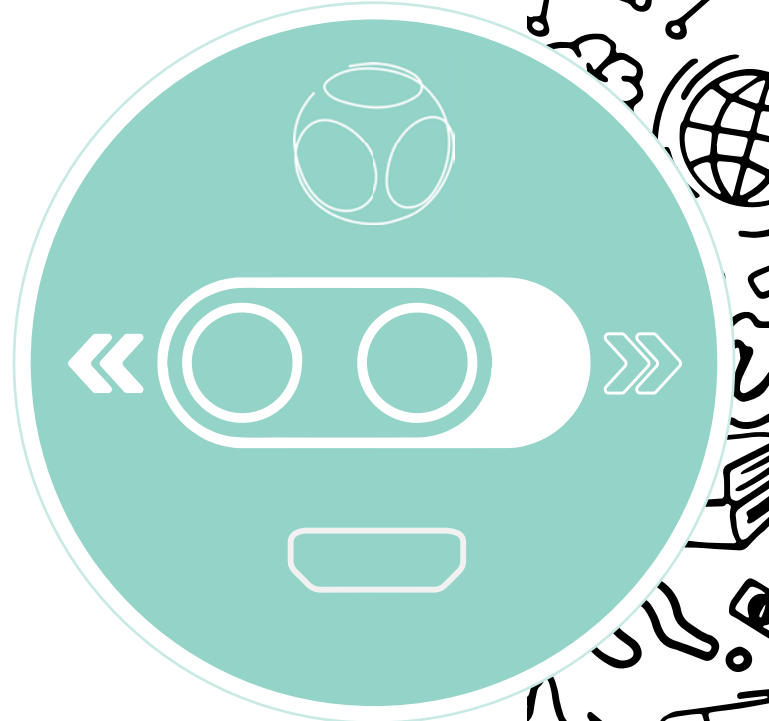
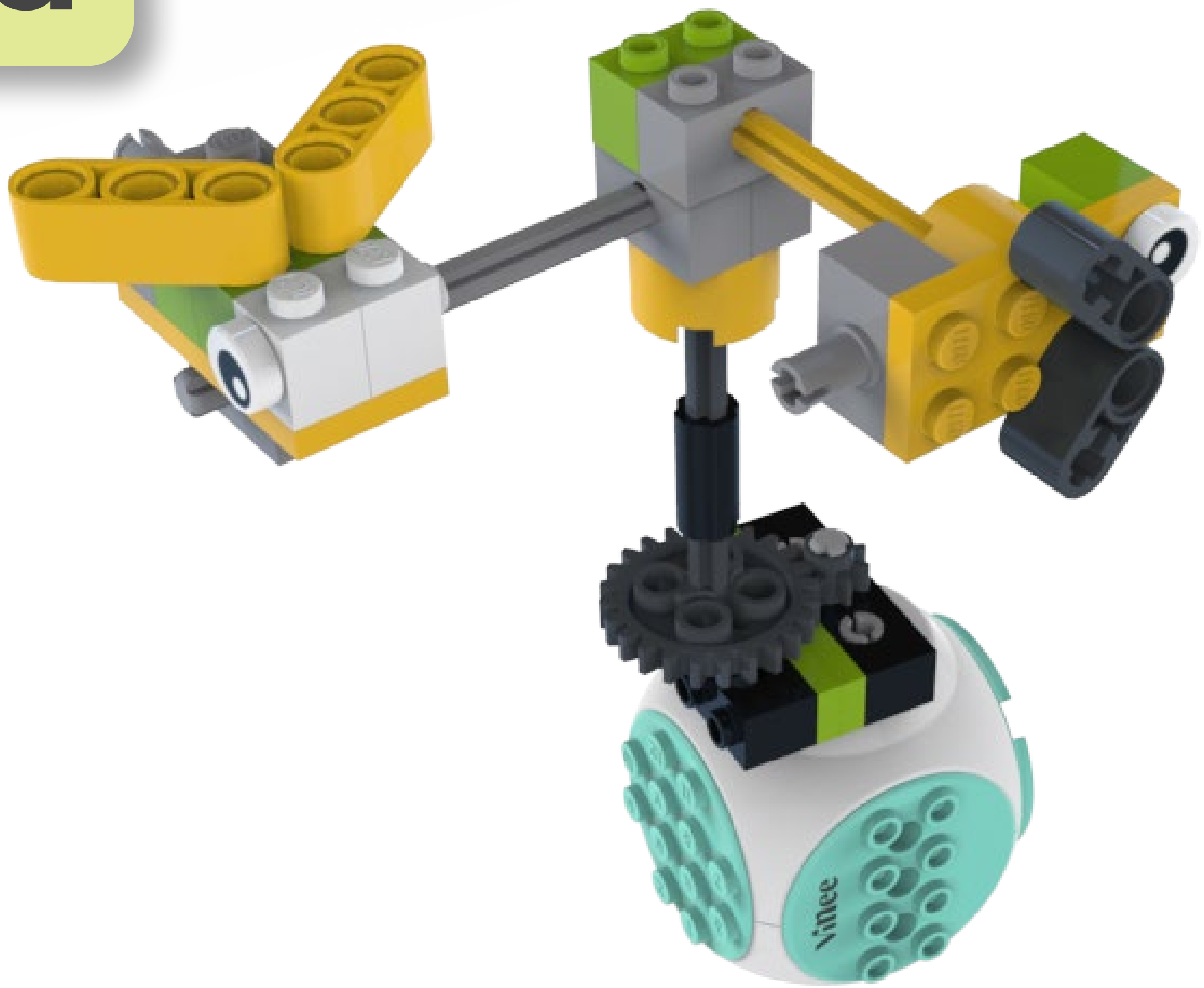


Attach



! Finished


Make sure your build is correct before turning it on.



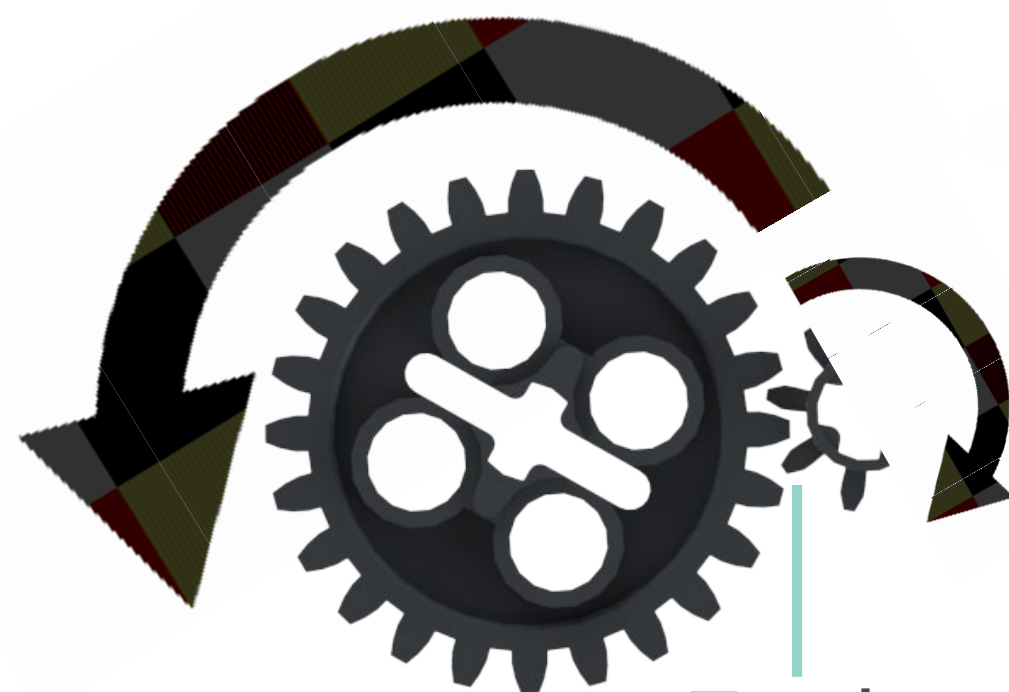
Learn

Gears

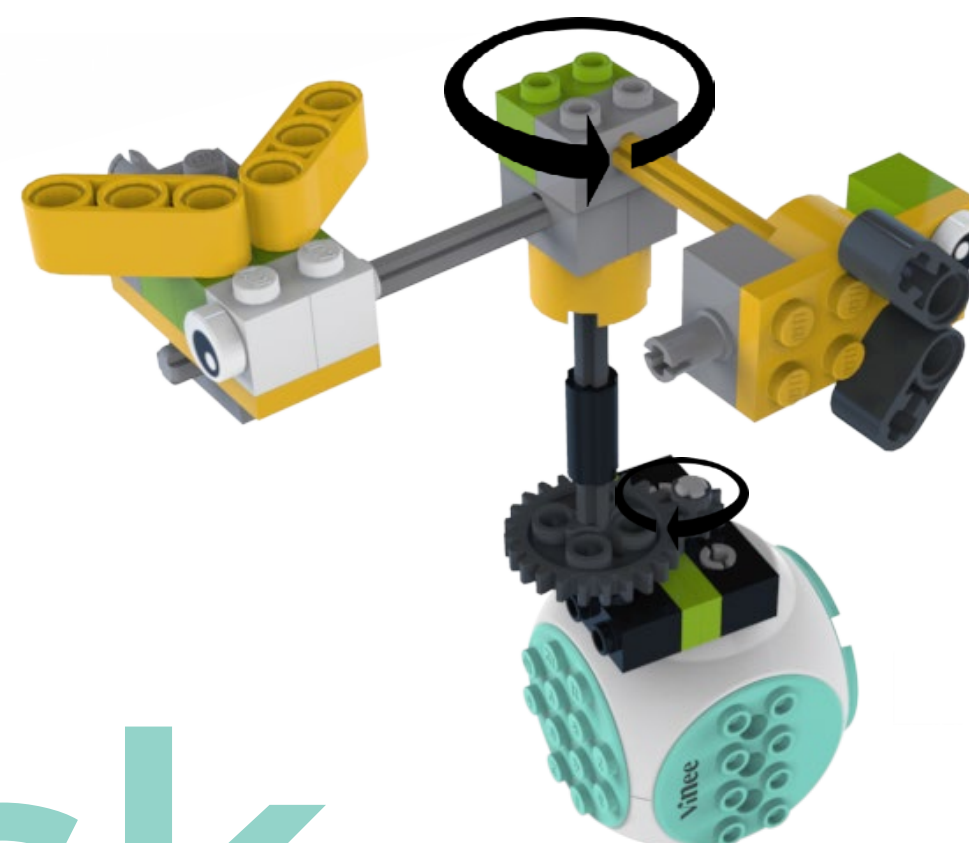
Gears are a circle shape and have teeth around their edges. The teeth on gears can slot together with other gears. When one gear is turned, it turns the other in the opposite direction!

Gear Ratio

Different sized gears can interlock to change speed and torque (power!)



Teeth



Task

1. What is making the Busy Bees spin?
2. Are the gears same or different direction?
3. Which gear has the most teeth and is it spinning faster or slower? Try switching the gears!
4. Rearrange the bees or add more spinning bugs!

You stayed busy
as a bee!



vinee