

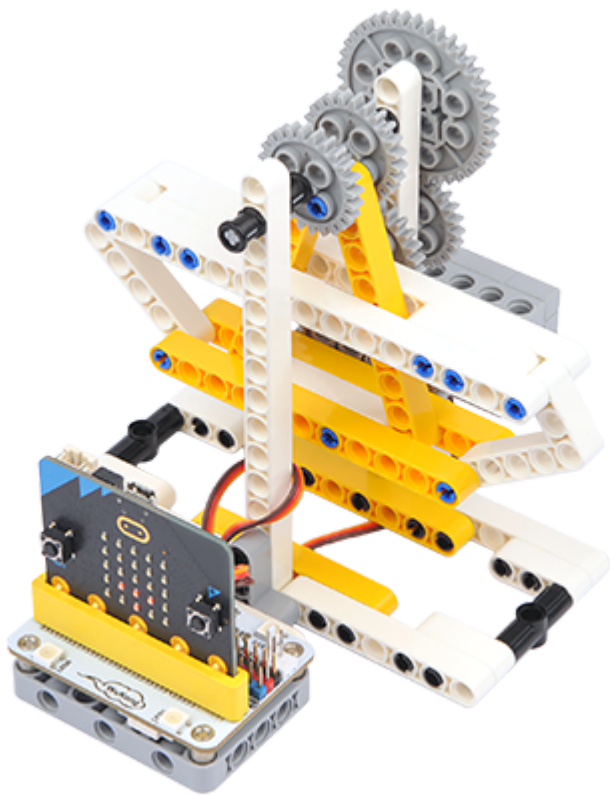
Case 26: The Corsair

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28.1. Purpose

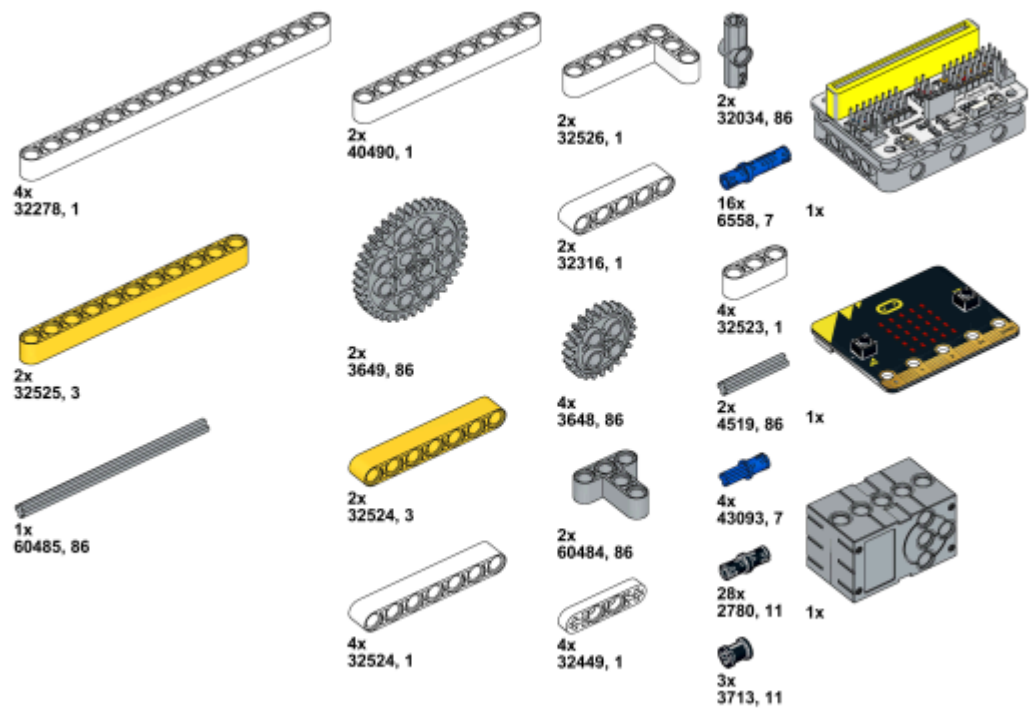
Make a corsair.



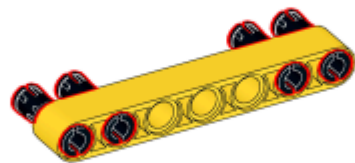
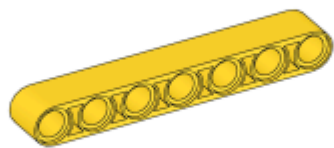
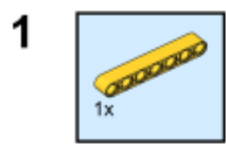
28.2. Link:

[micro:bit Wonder Building Kit](#)

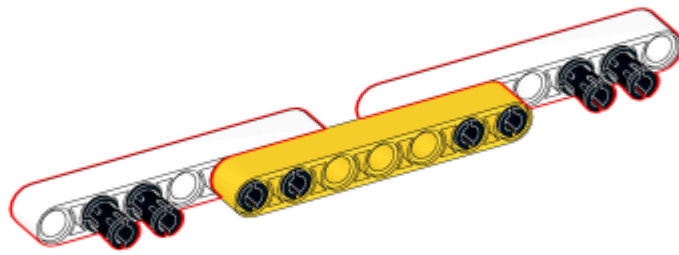
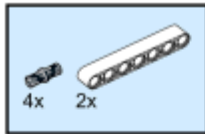
28.3. Materials Required



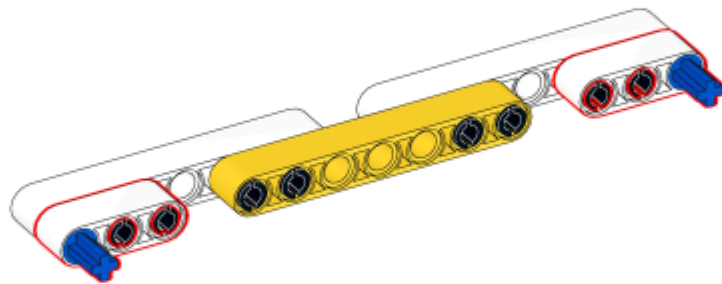
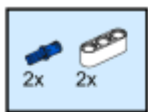
28.4. Bricks build-up



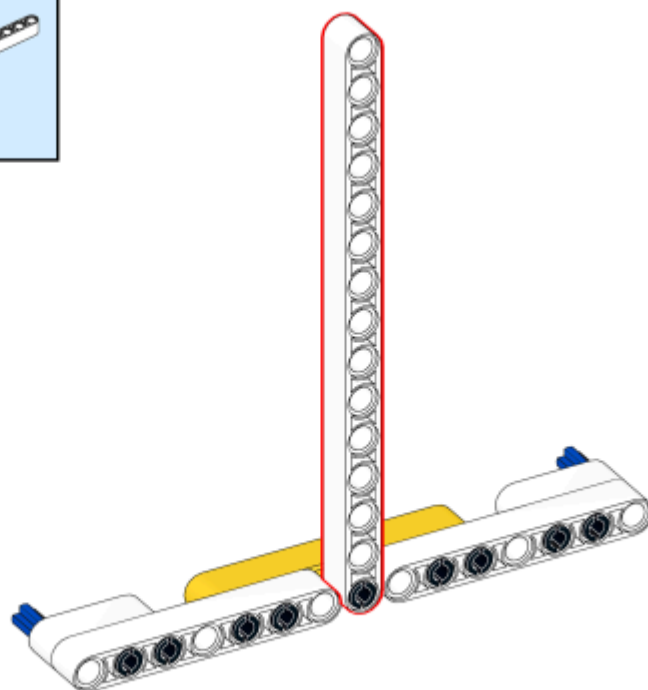
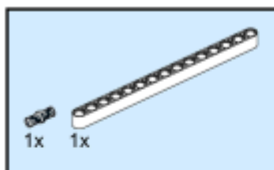
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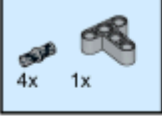
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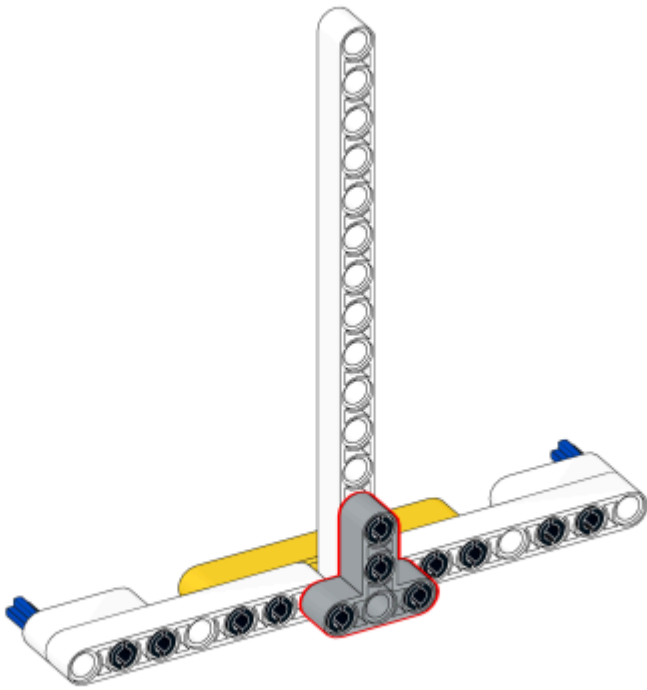
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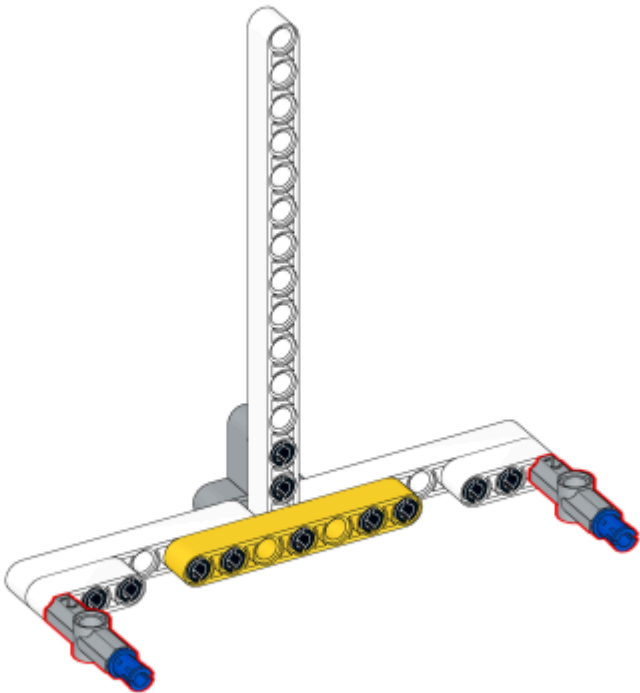
4x 1x



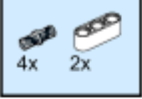
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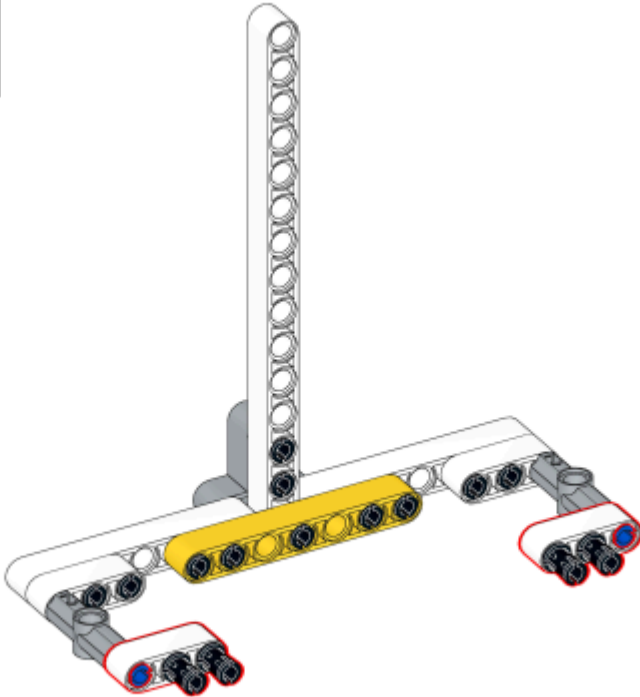
2x 2x

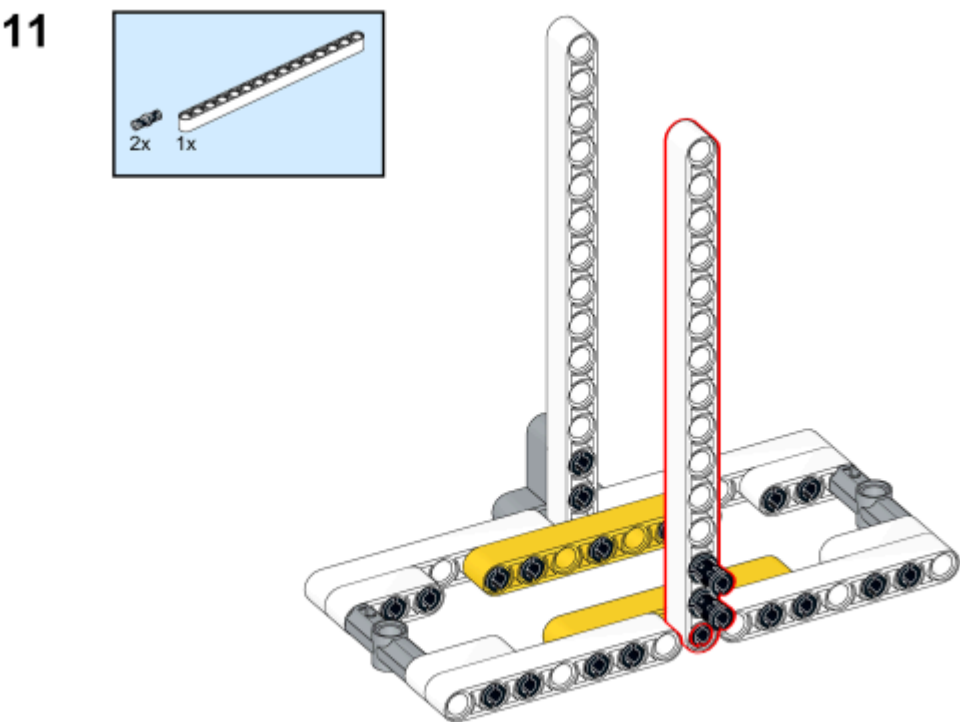
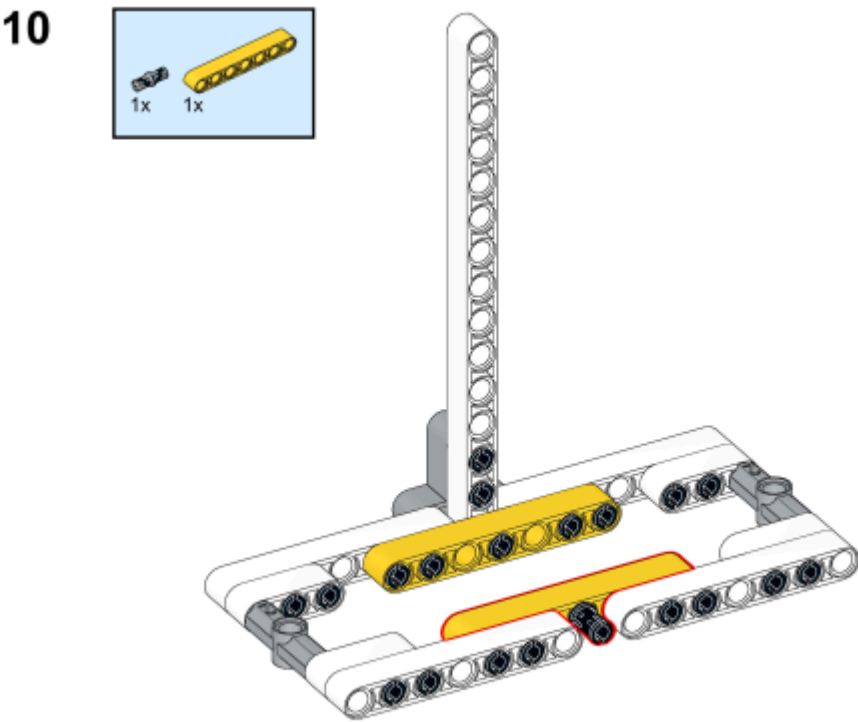
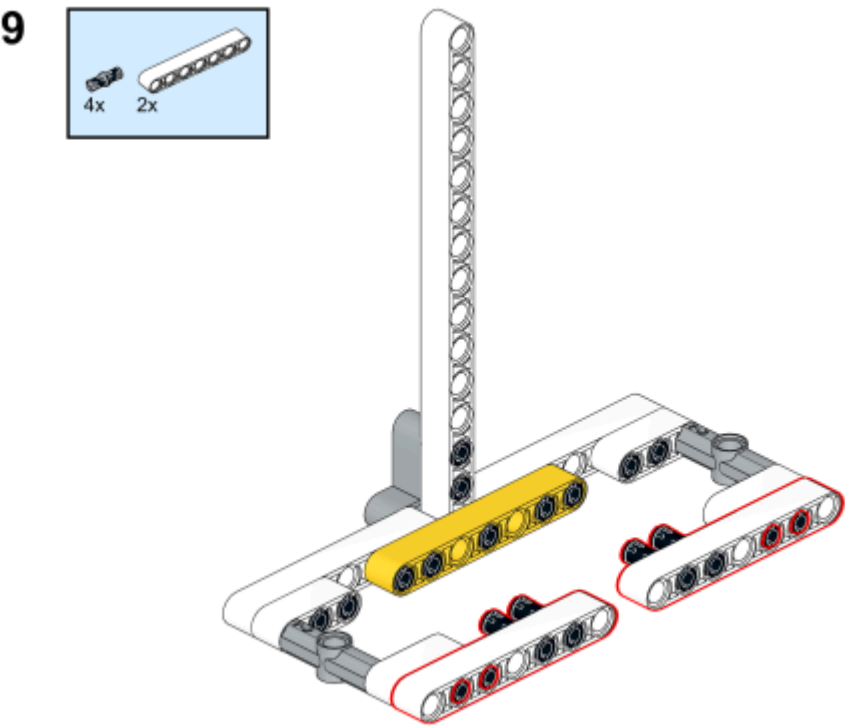


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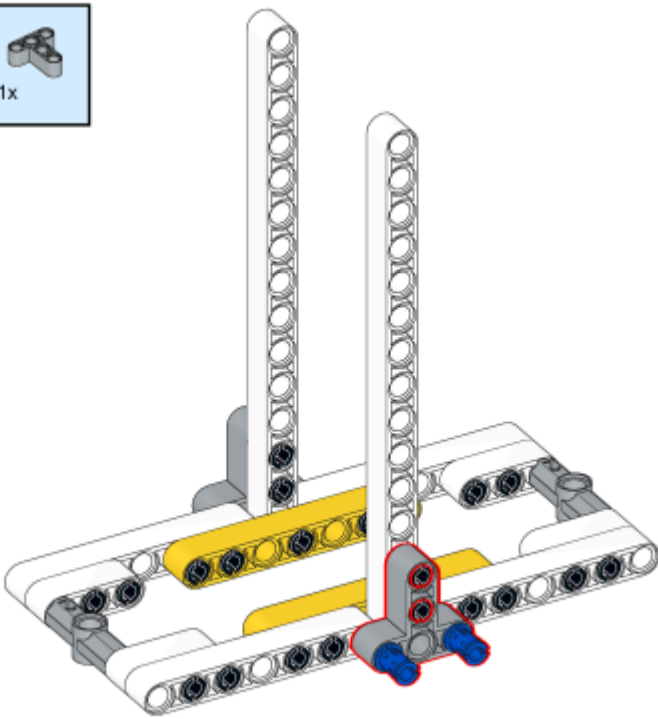
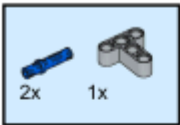


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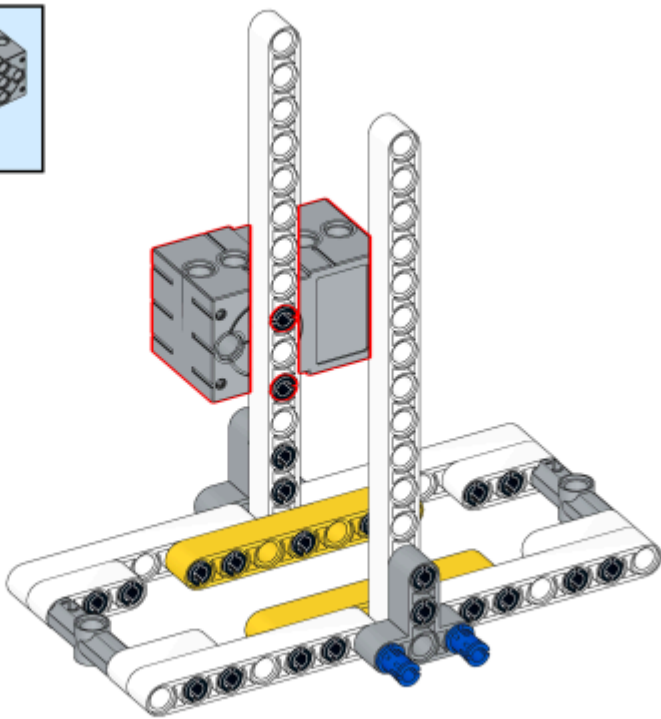
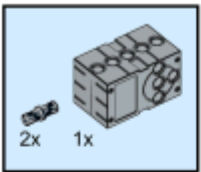




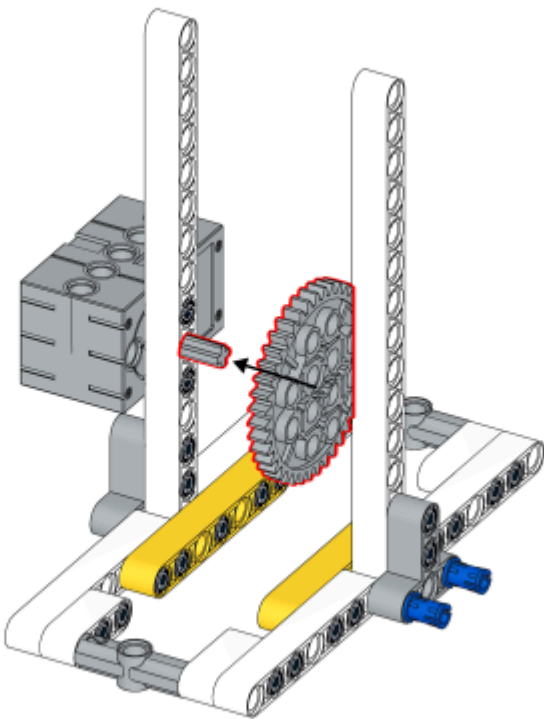
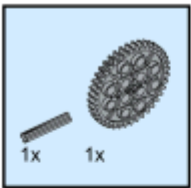
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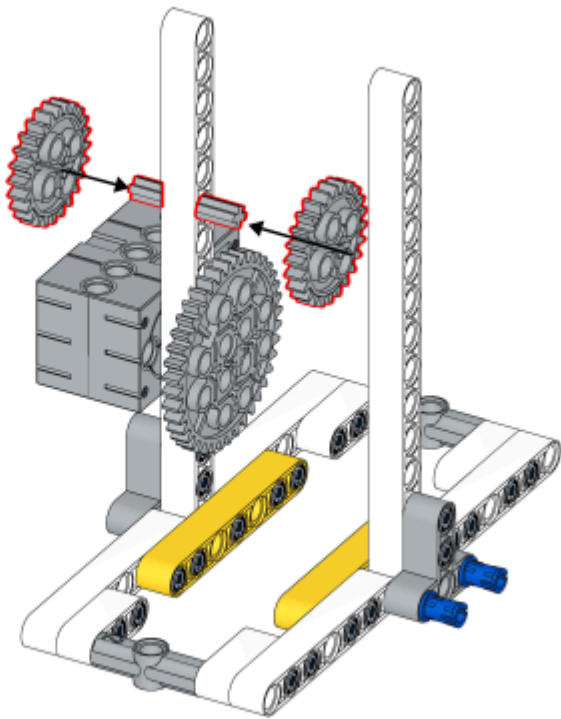
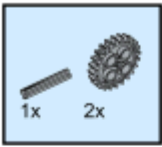
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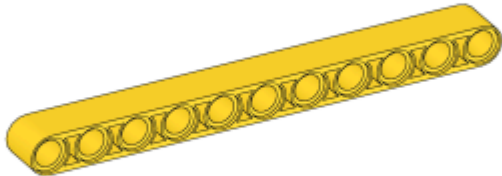
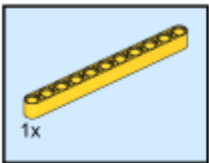
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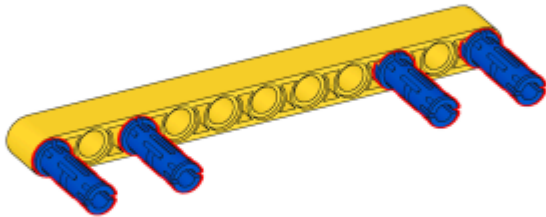
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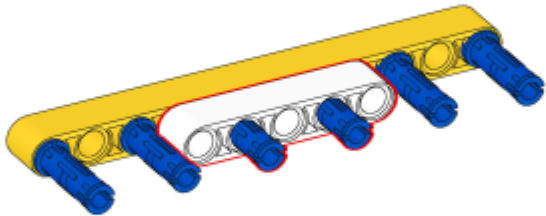
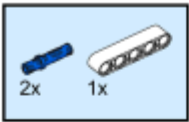
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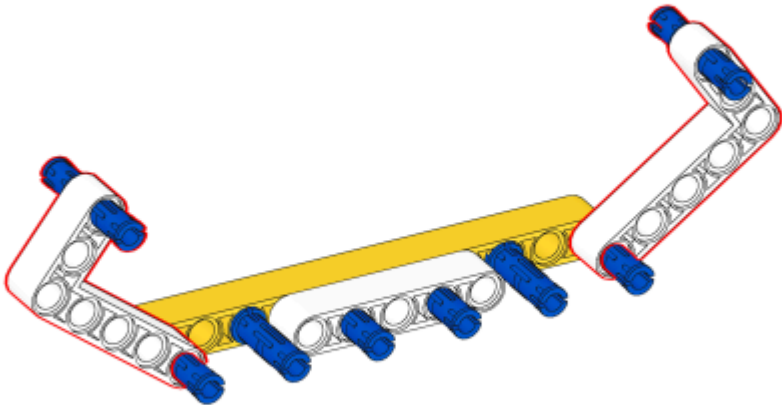
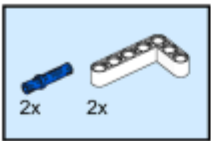
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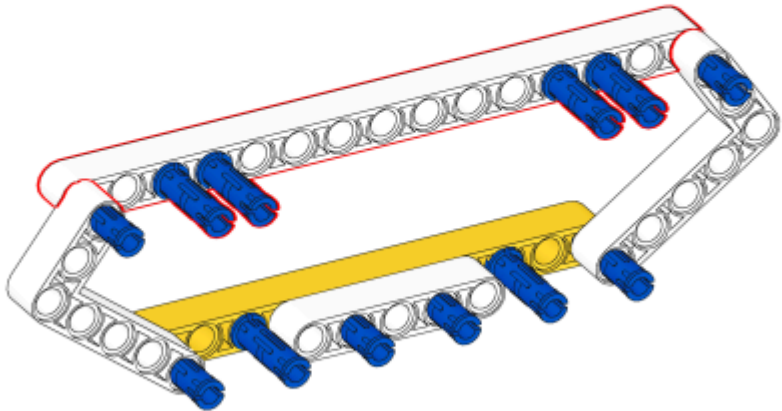
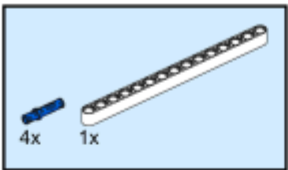
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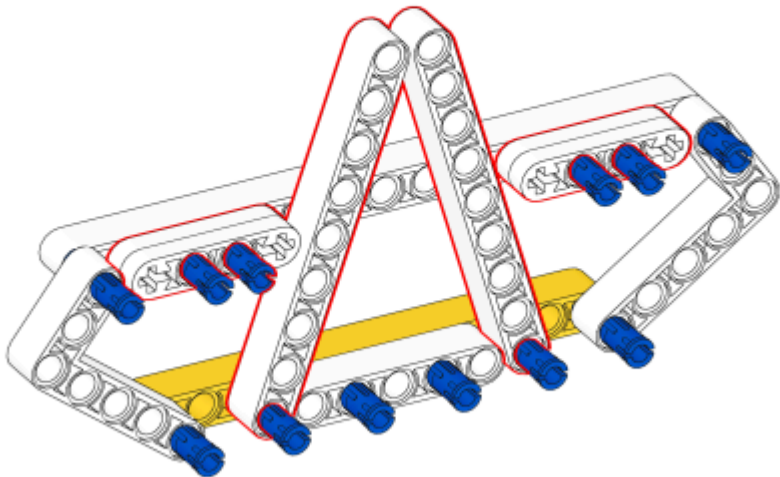
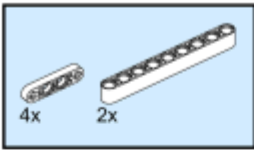
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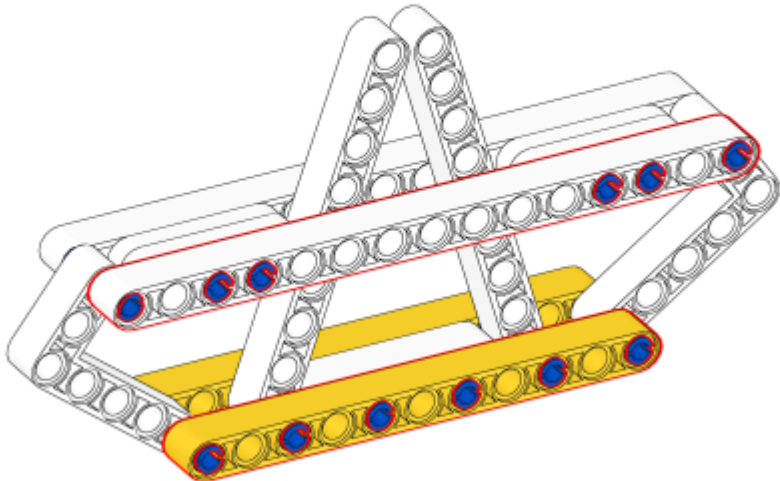
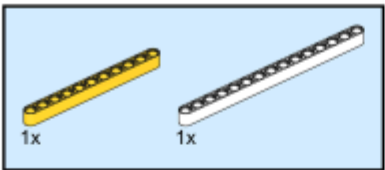
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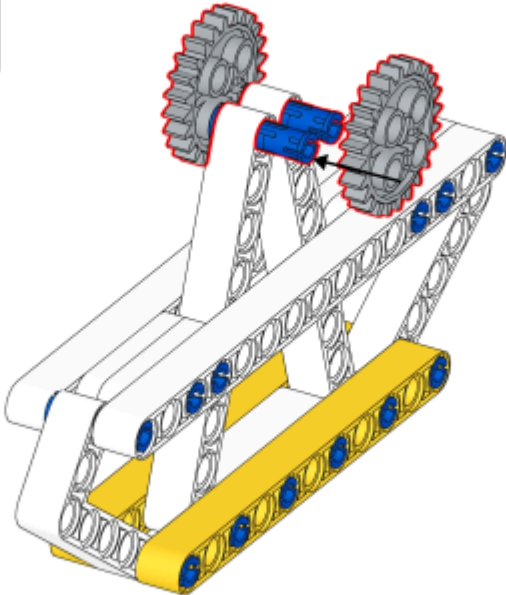
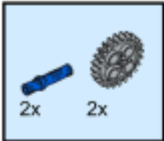
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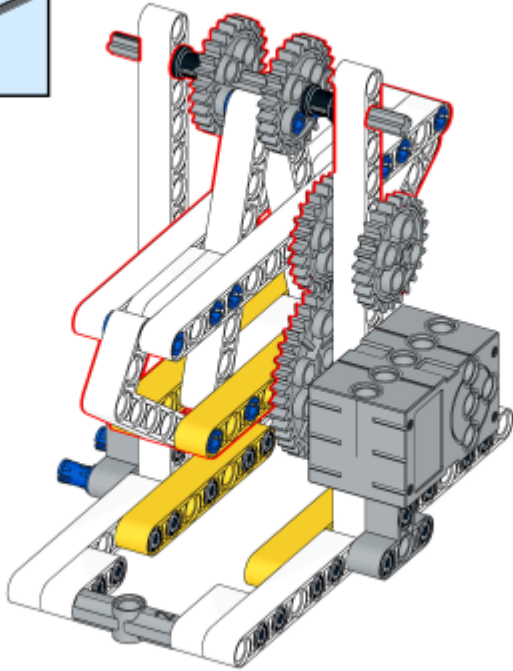
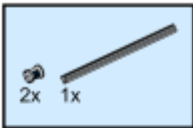
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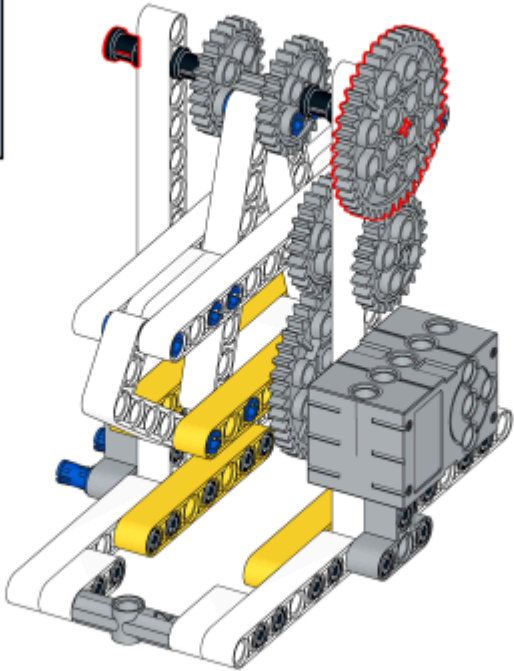
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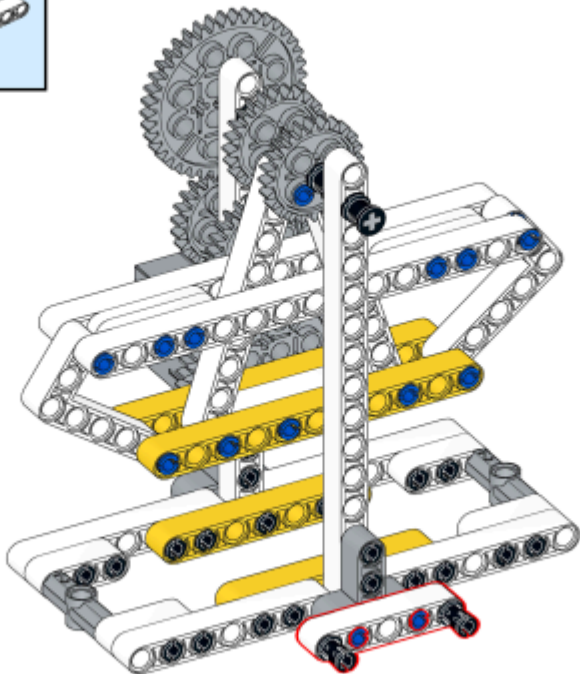
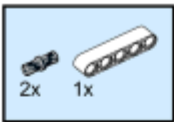
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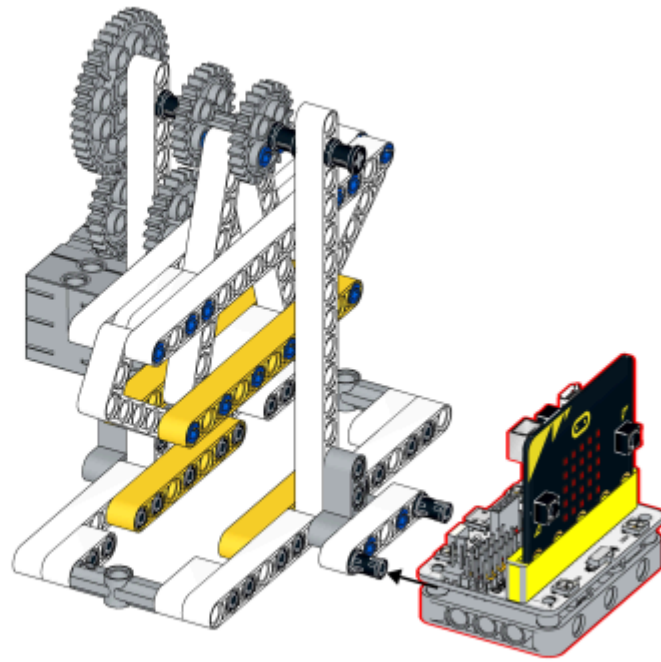
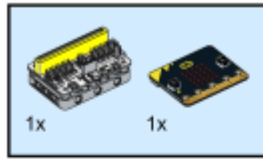
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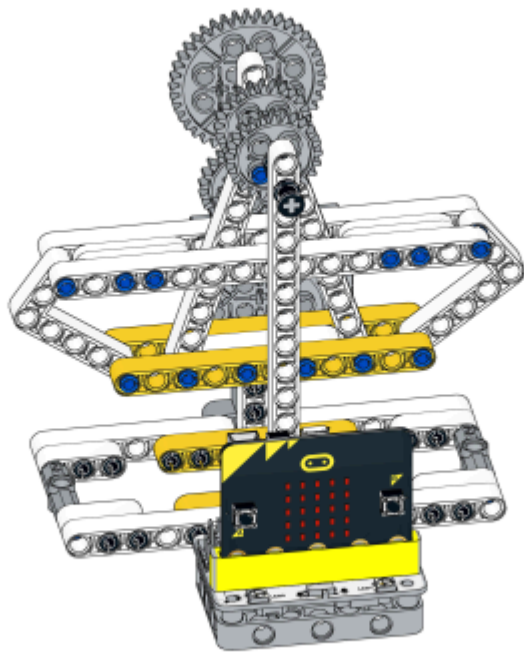
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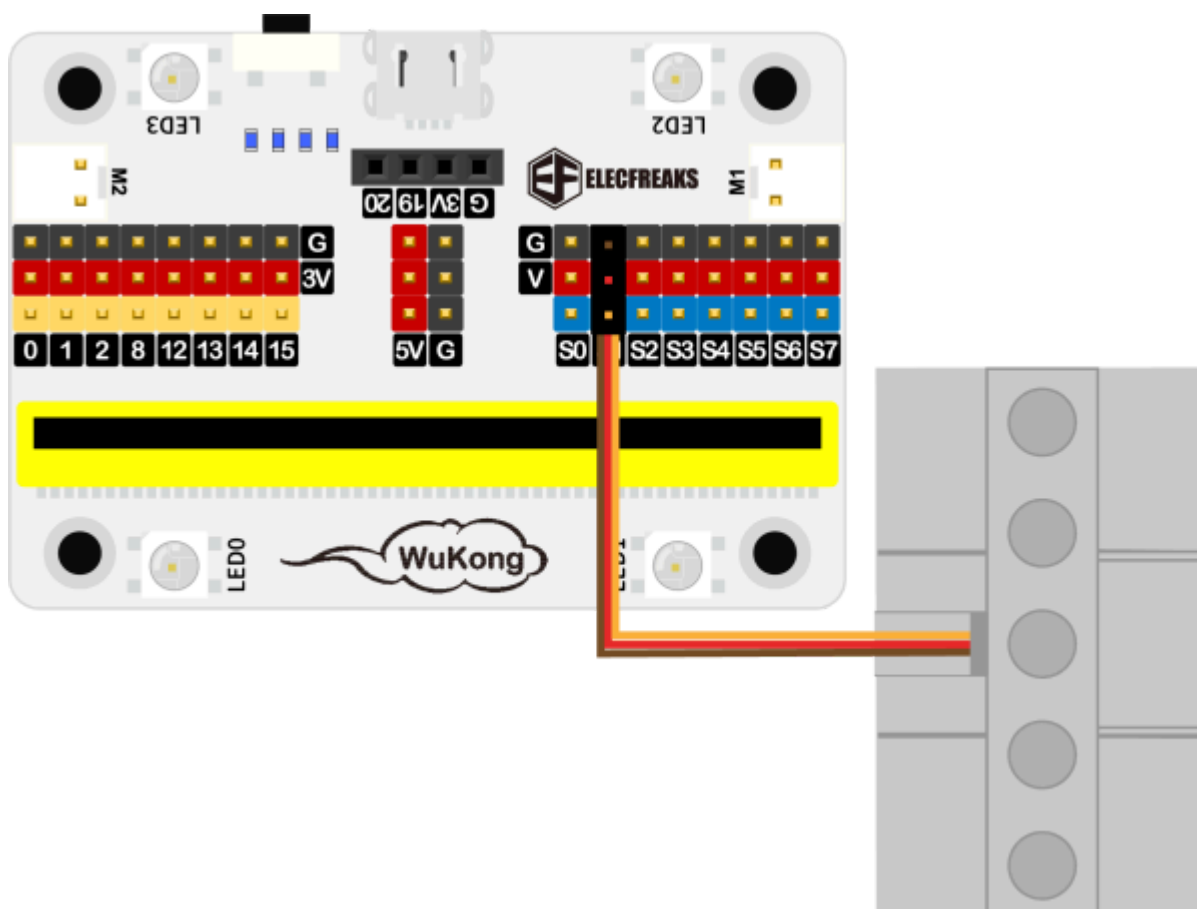


28



28.5. Hardware Connection

Connect a [servo](#) to S1 port on [Wukong breakout board](#).



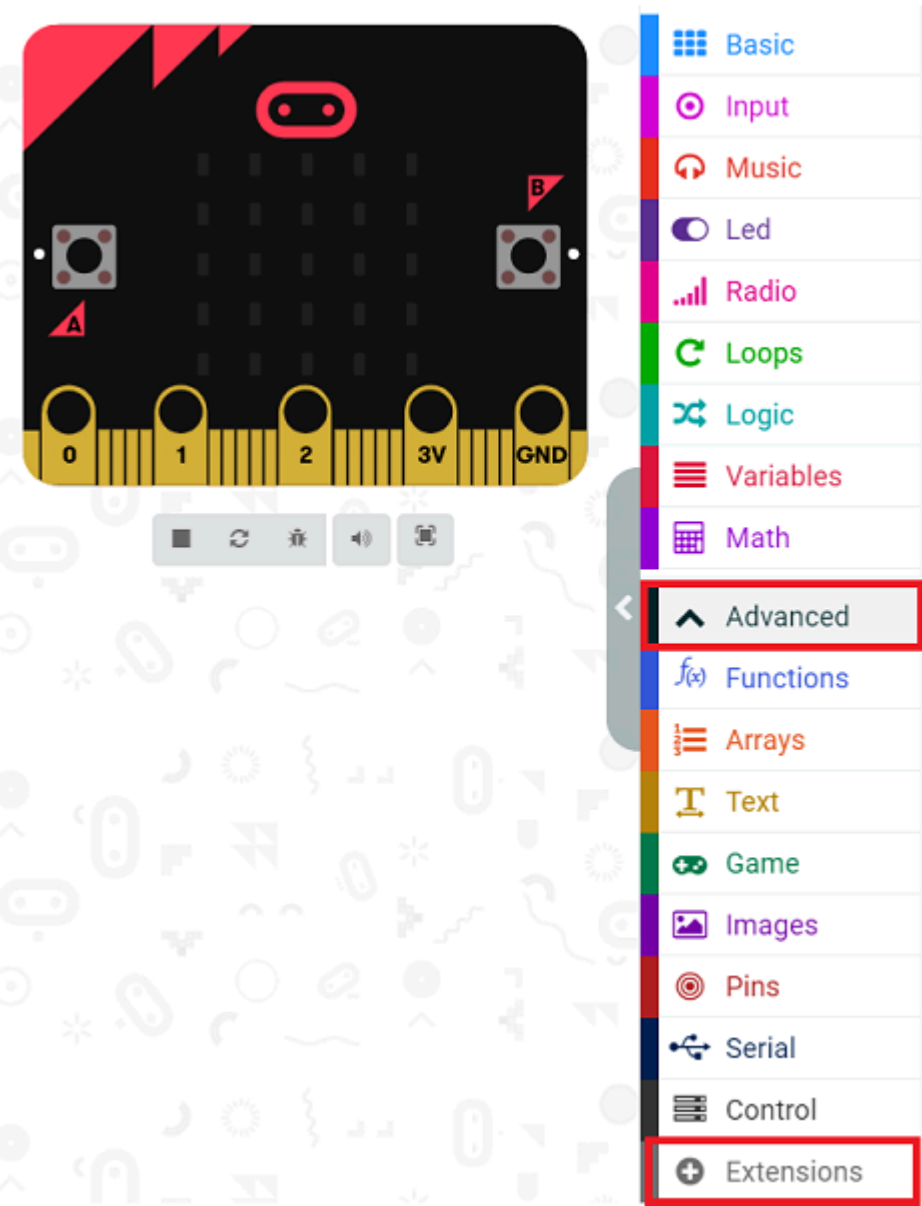
28.6. Software Platform

[MakeCode](#)

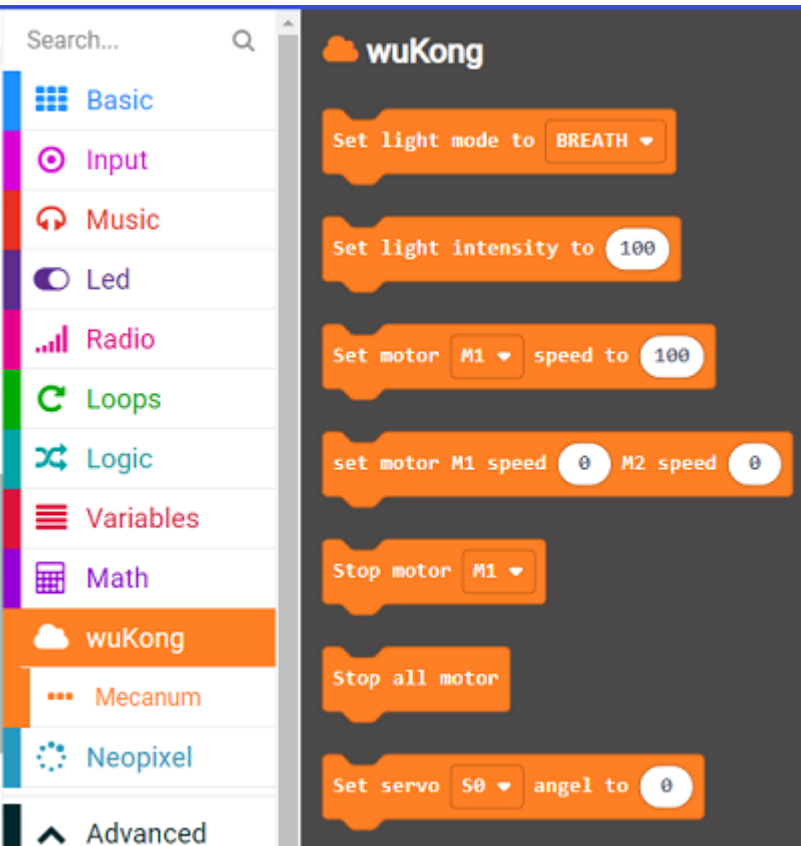
28.7. Coding

Add extensions

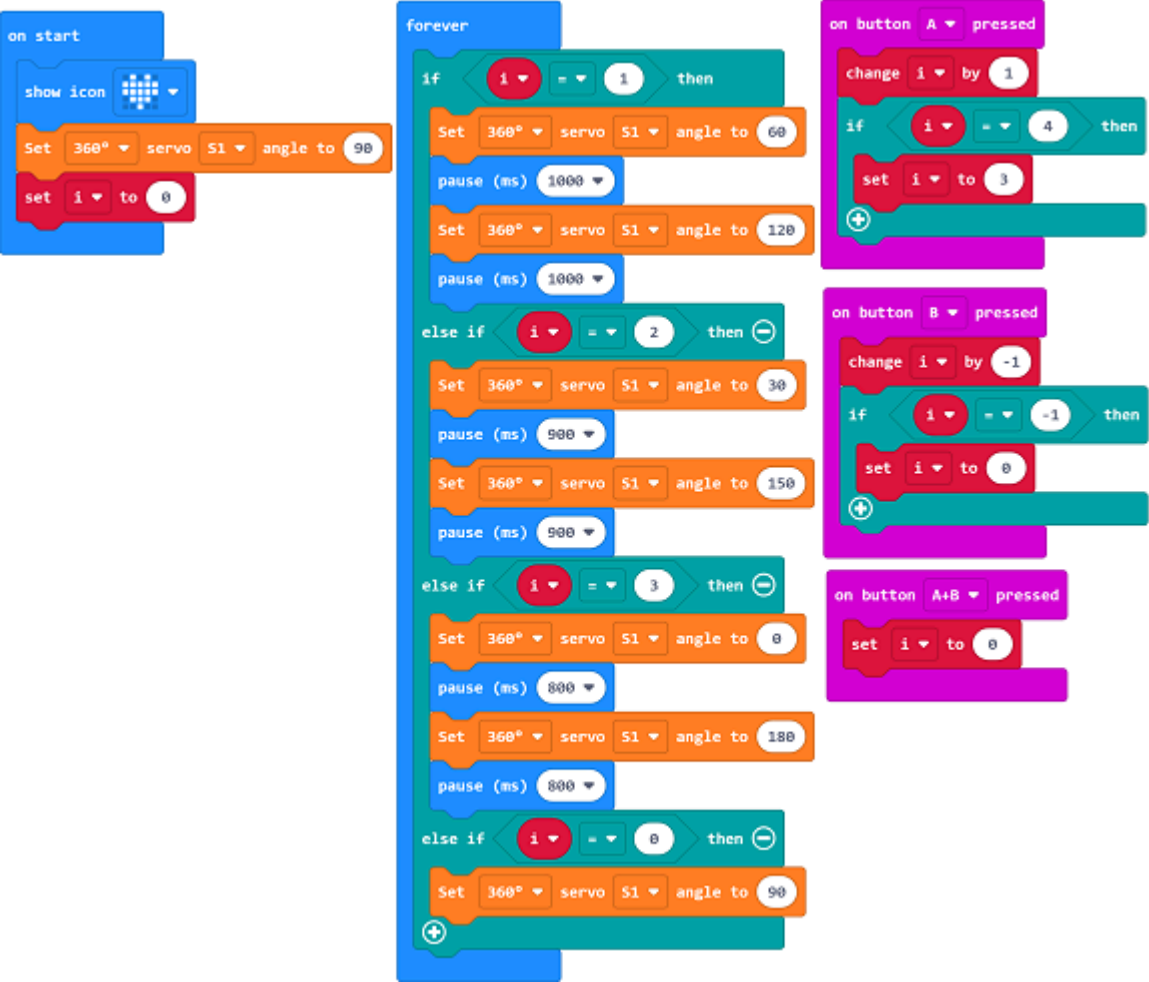
Click “Advanced” in the MakeCode to see more choices.



Search with Wukong in the dialogue box to download it.



Program



Link:https://makecode.microbit.org/_VrPehd4athgo

Result

When the micro:bit is powering on, it displays a heart icon. When button A is pressed, the corsair begins to swing; when button B is pressed for the second time, the swing amplitude increases, the third time press the A button amplitude and the swing goes to the maximum, the fourth time press the A button, swing amplitude has change; when the button B is pressed, the swing amplitude begins to decrease, when repeatedly pressed B button in three times, it stopped swinging.