

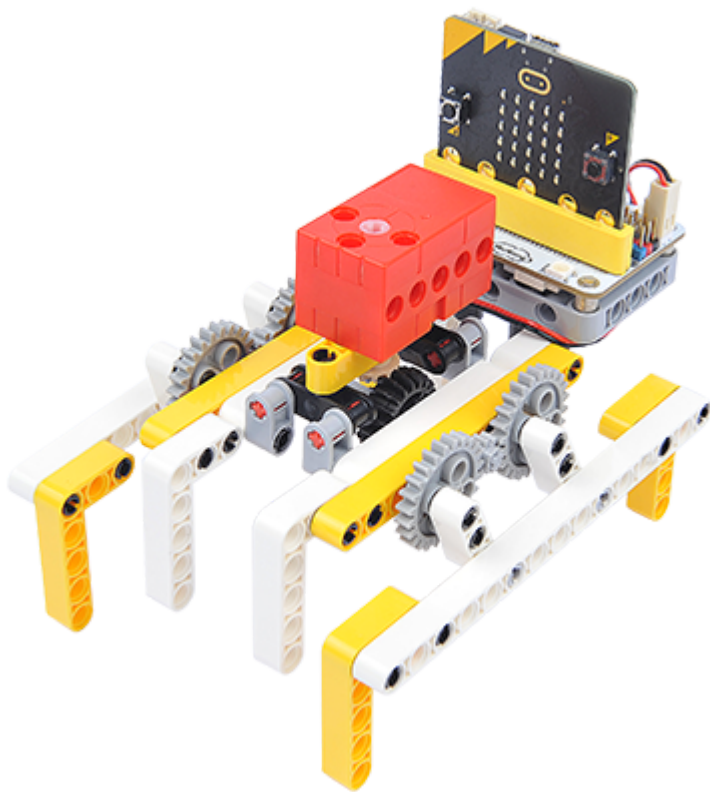
Case 21: The Spider Walker

Contents

- [23.1. Purpose](#)
- [23.2. Link:](#)
- [23.3. Materials Required](#)
- [23.4. Bricks build-up](#)
- [23.5. Hardware Connection](#)
- [23.6. Software Platform](#)
- [23.7. Coding](#)

23.1. Purpose

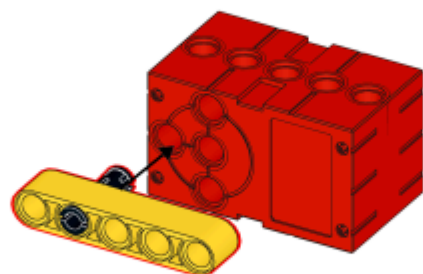
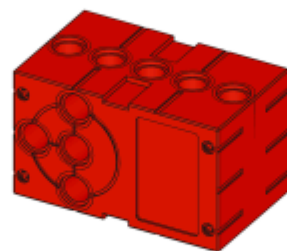
Make a spider walker.




23.2. Link:


[micro:bit Wonder Building Kit](#)

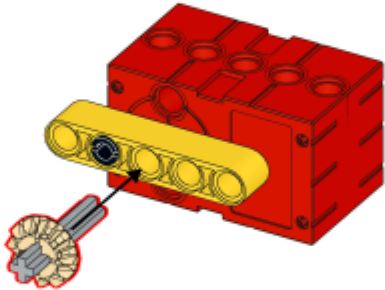
23.3. Materials Required




3



1x

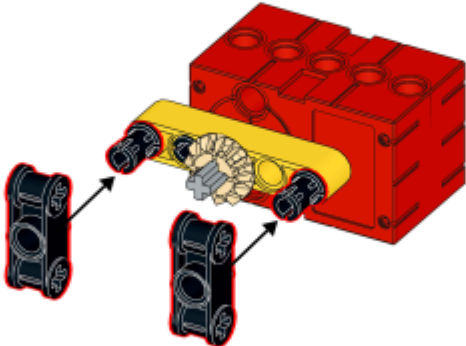

1x




4

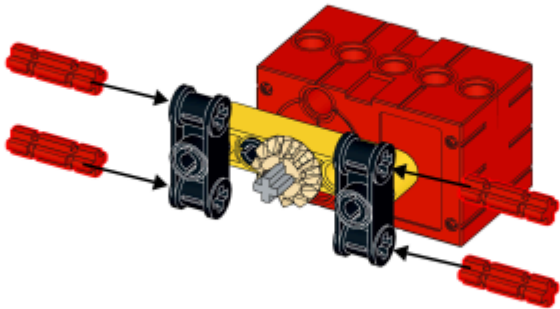

2x


2x

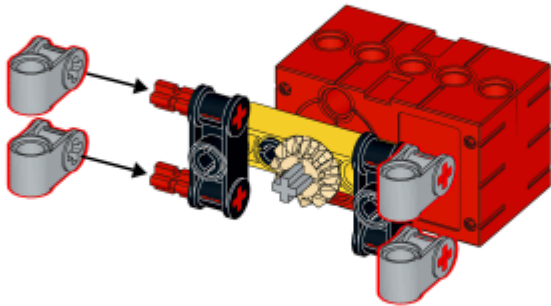


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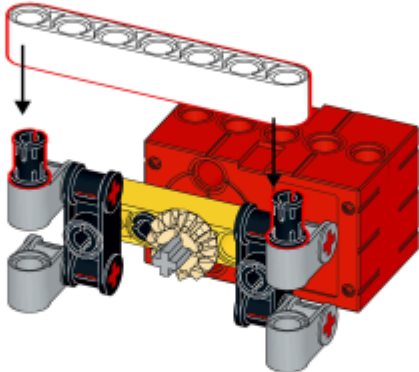
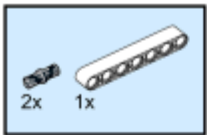

4x



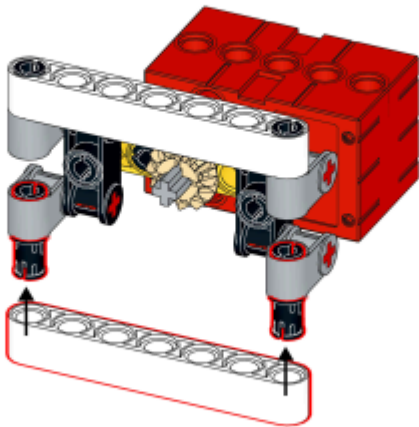
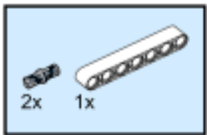
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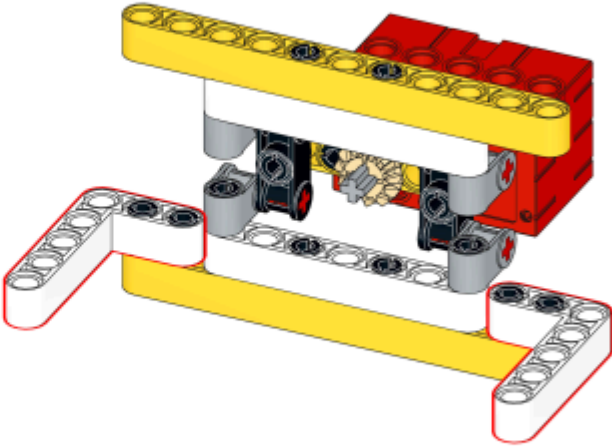
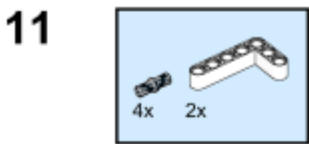
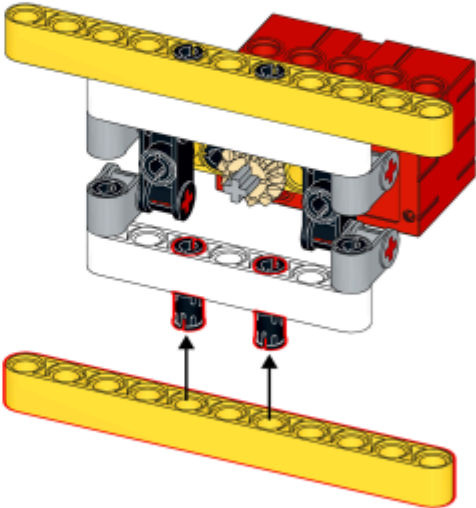
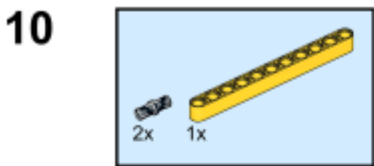
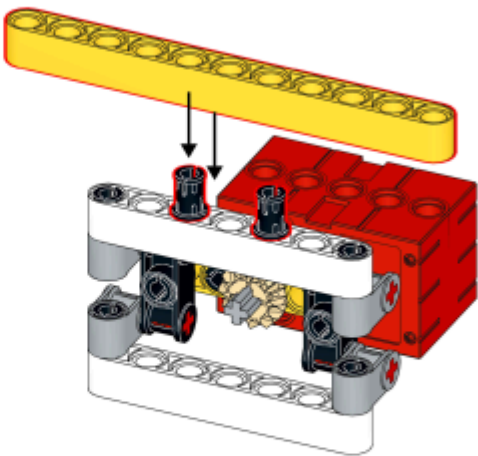
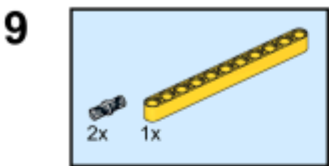


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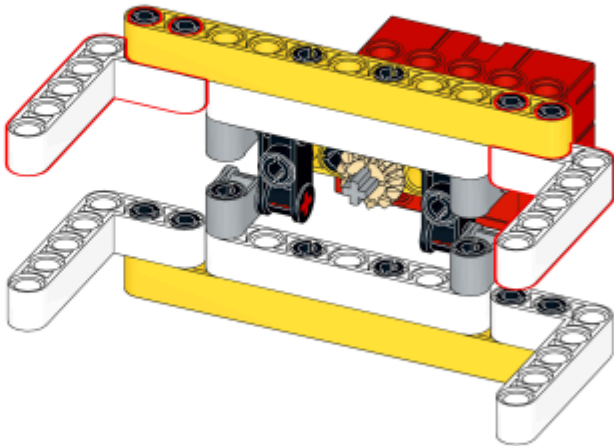
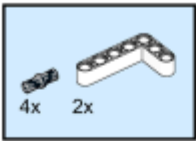


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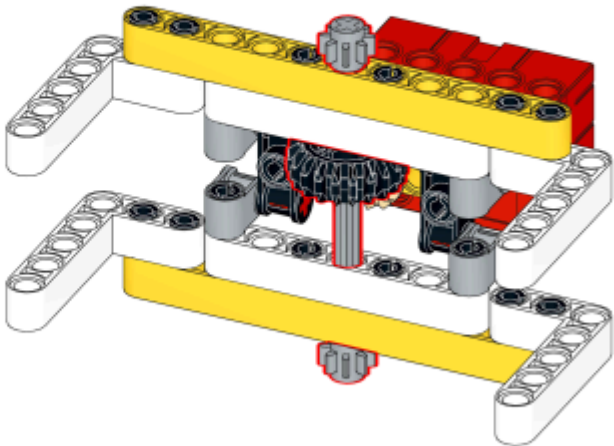
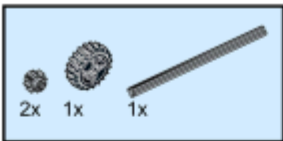




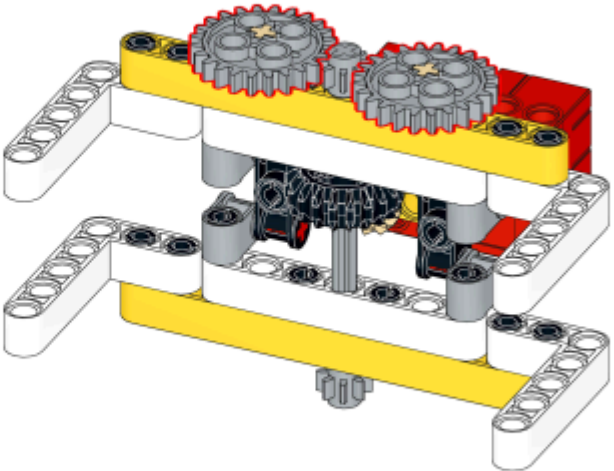
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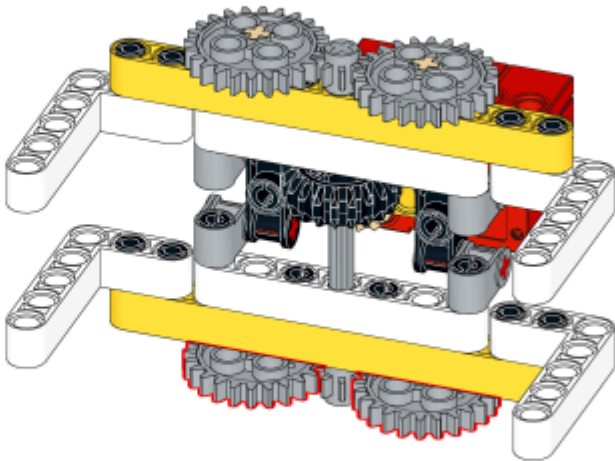
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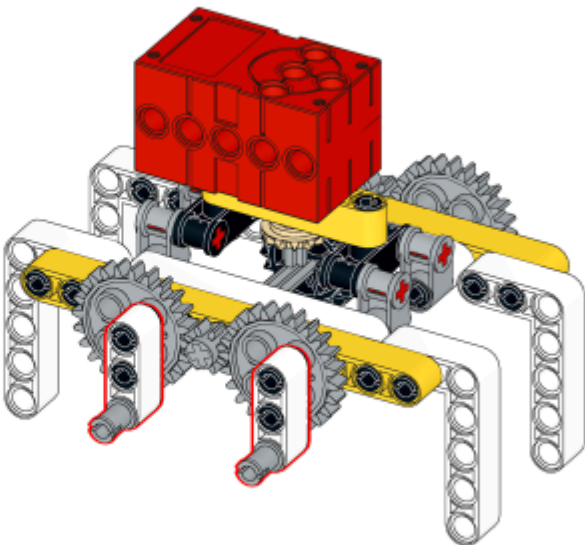
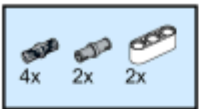
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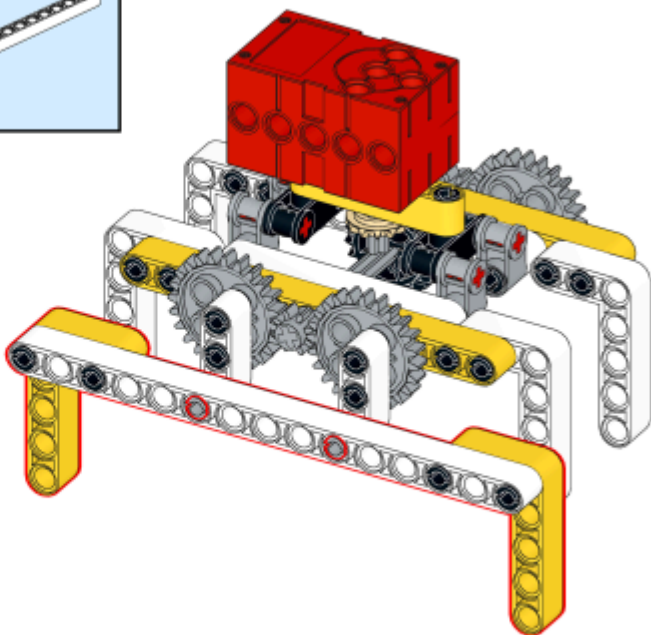
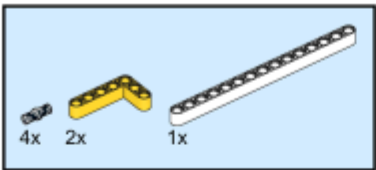
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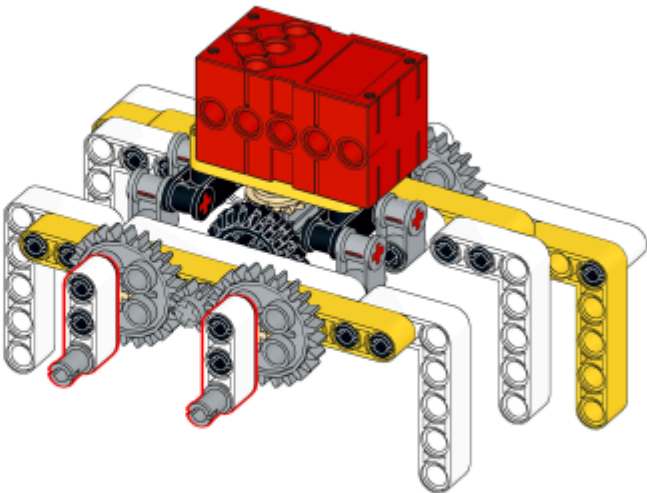
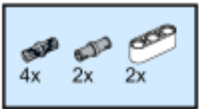
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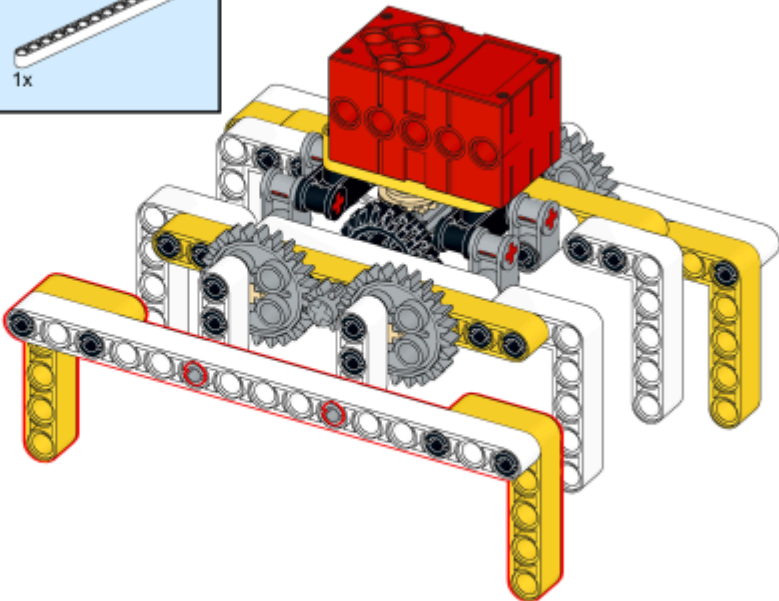
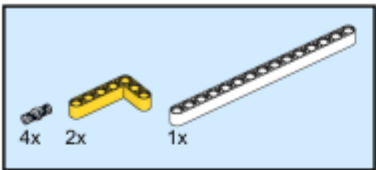
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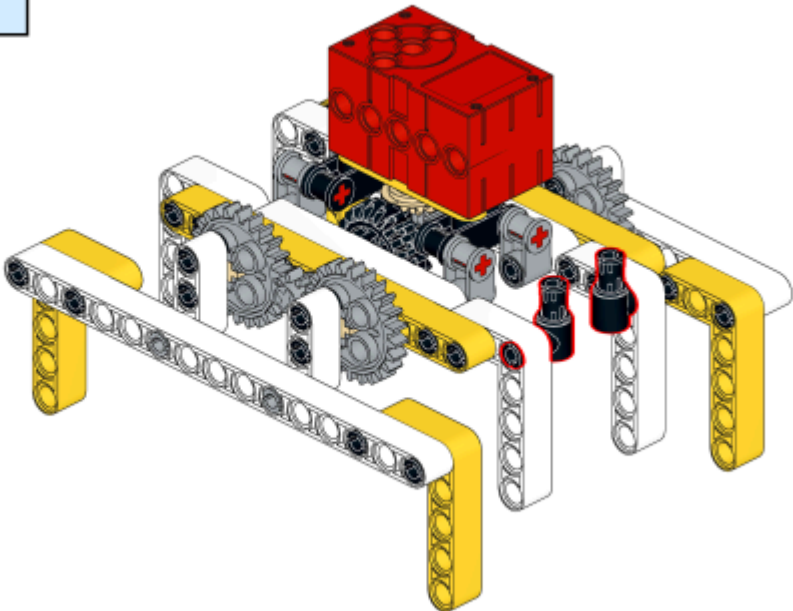
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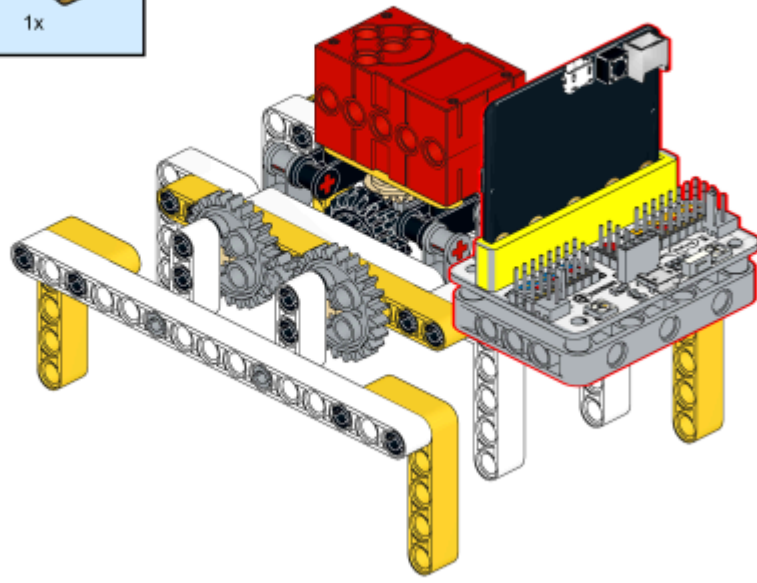
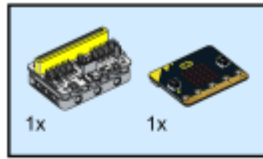
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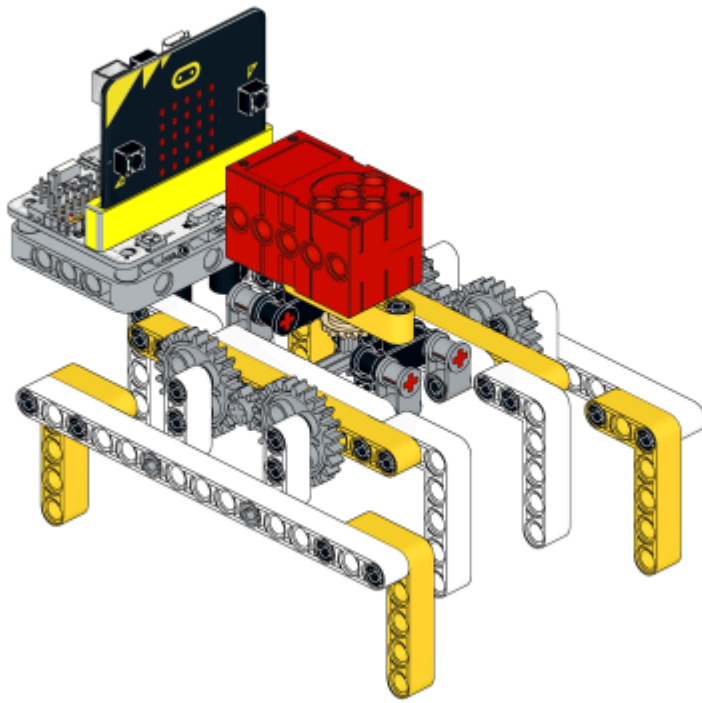
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21

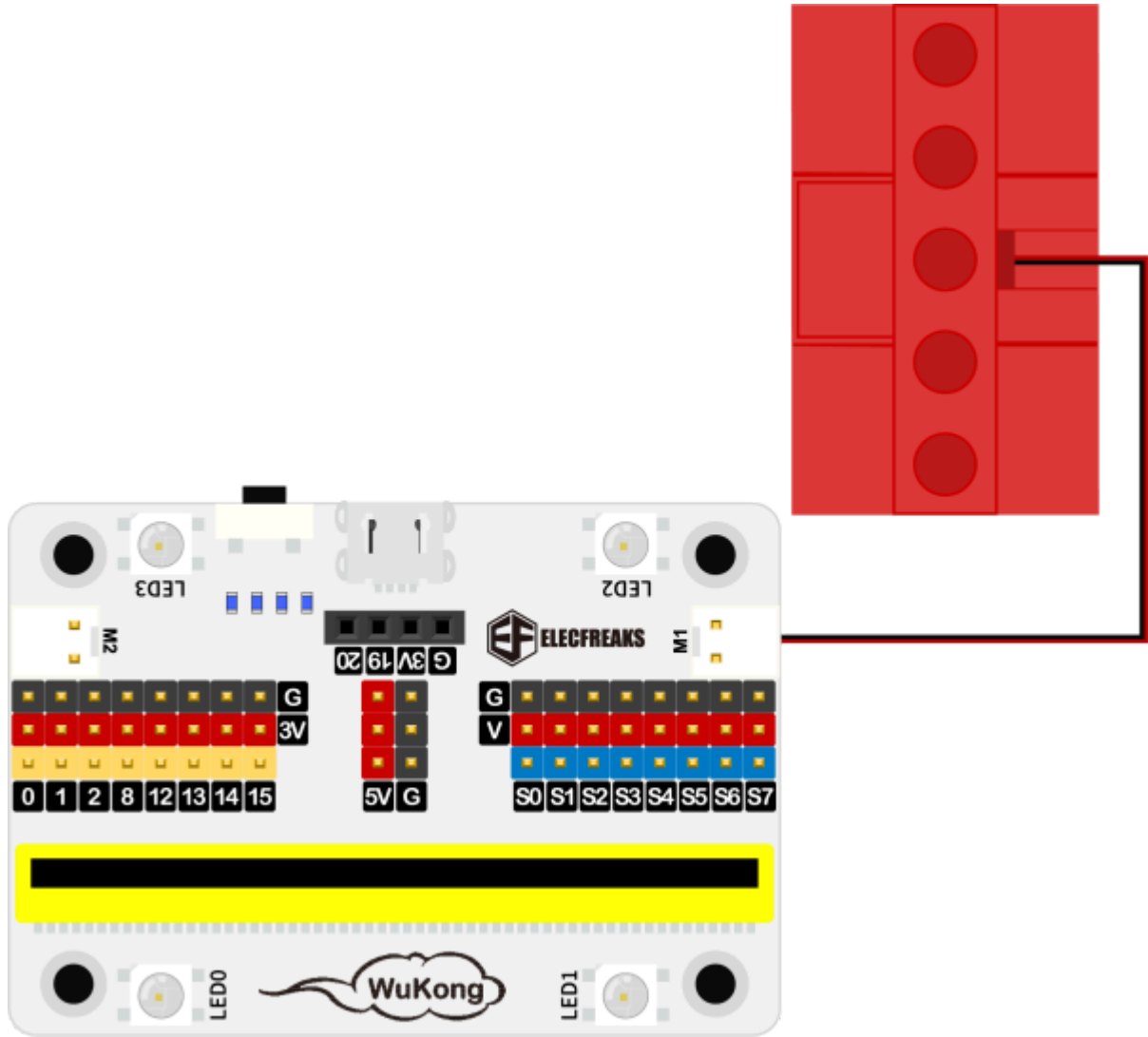


22



23.5. Hardware Connection

Connect a [motor](#) to M1 port on [Wukong breakout board](#).



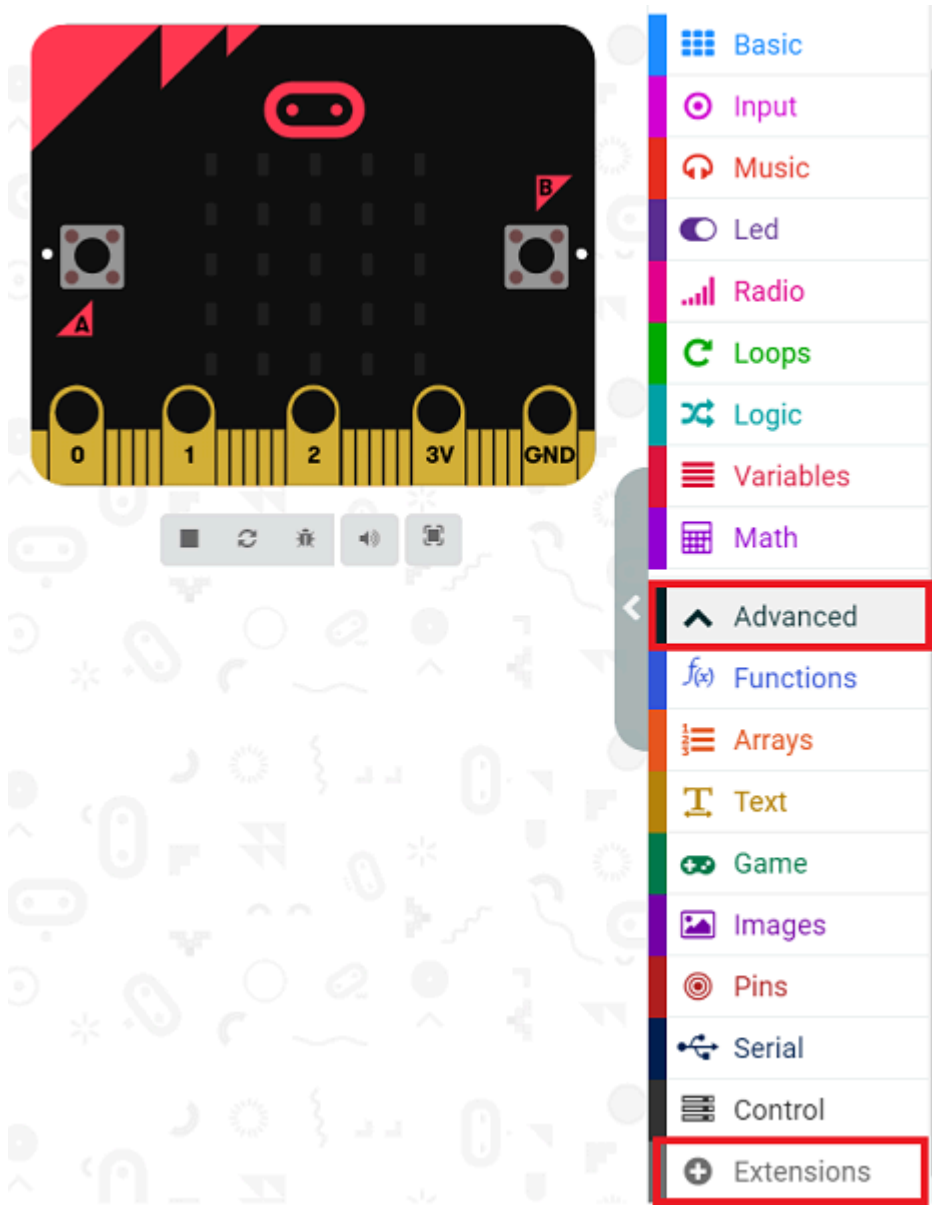
23.6. Software Platform

[MakeCode](#)

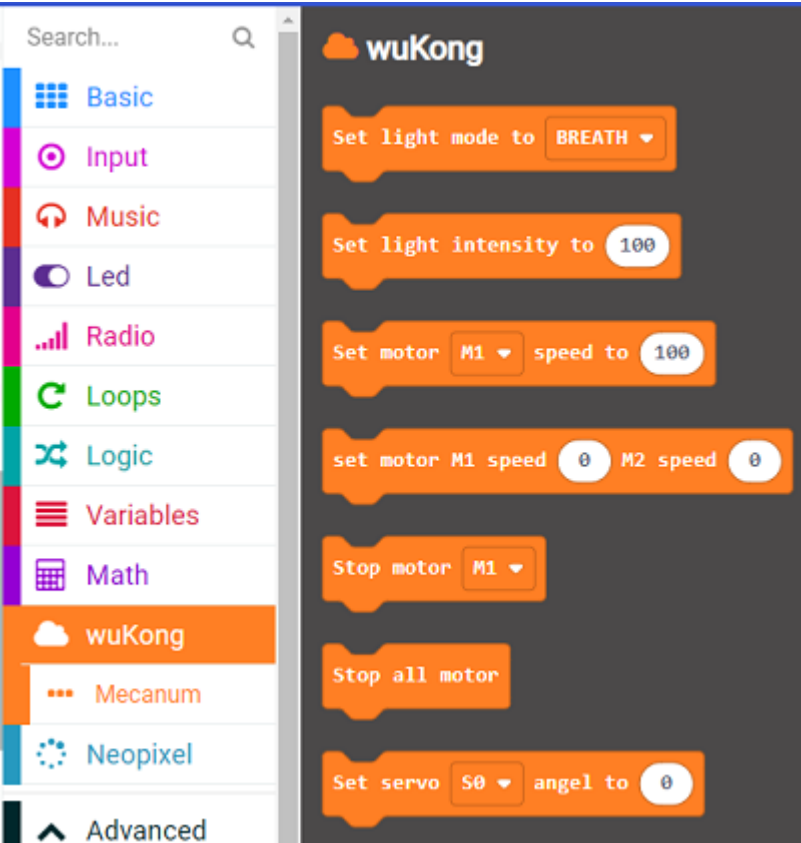
23.7. Coding

Add extensions

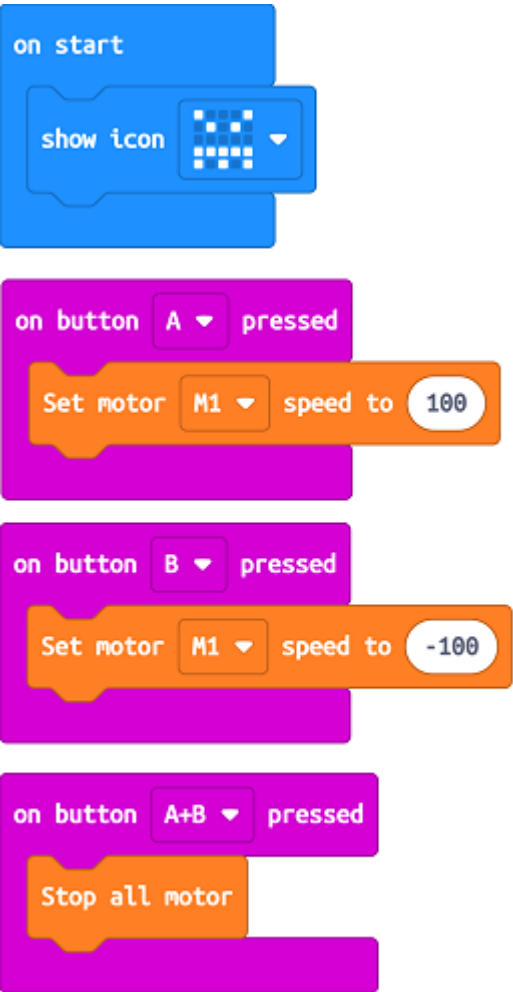
Click “Advanced” in the MakeCode to see more choices.



Search with Wukong in the dialogue box to download it.



Program



Link:https://makecode.microbit.org/_fyVf4ii4v0p8

Result

The spider moves forward when button A is pressed, it moves backward when button B is pressed, and it stops moving when button A+B is pressed.