

# Case 21: The Spider Walker

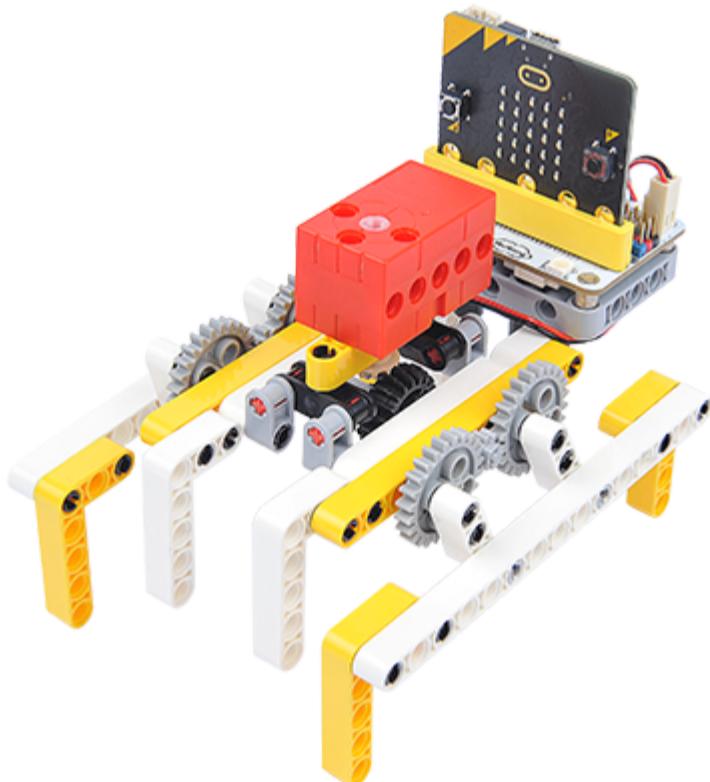
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### 23.1. Purpose

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Make a spider walker.



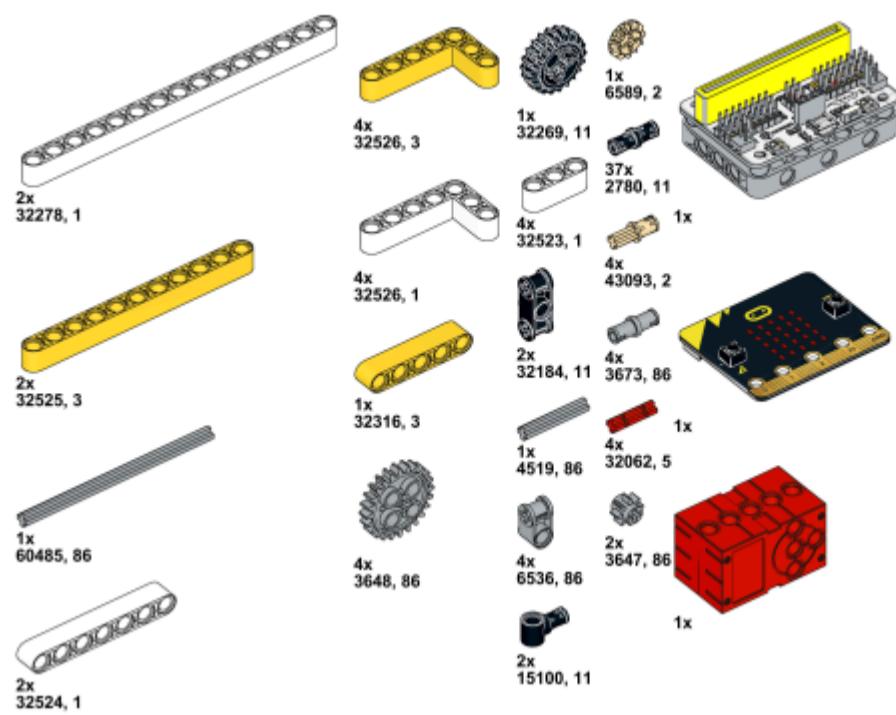
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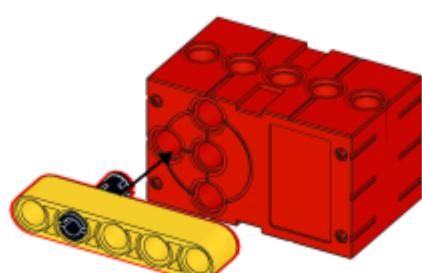
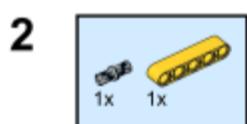
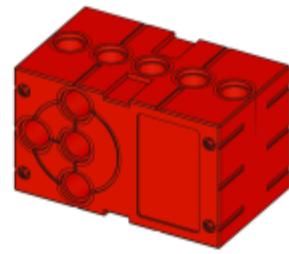
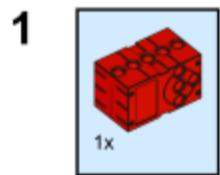
[micro:bit Wonder Building Kit](#)

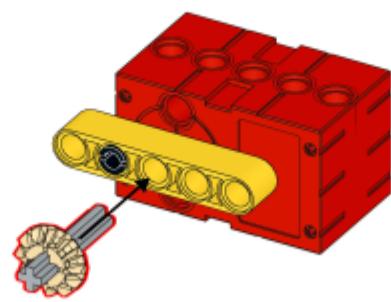
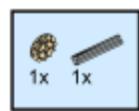
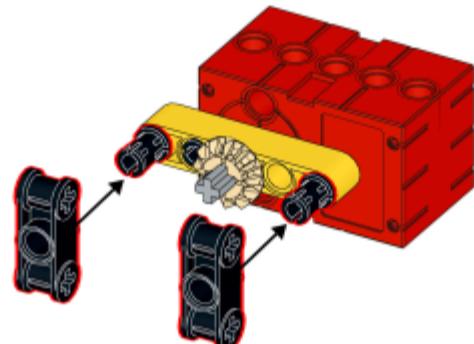
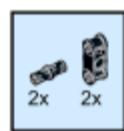
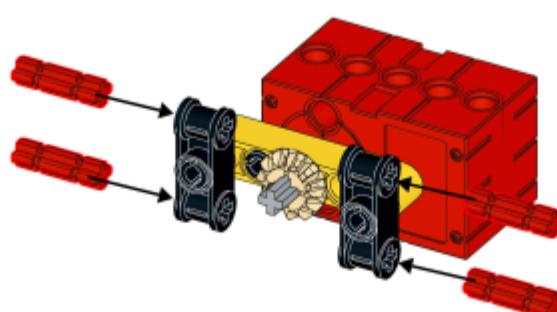
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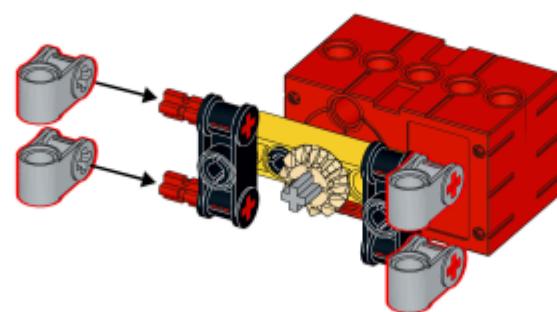
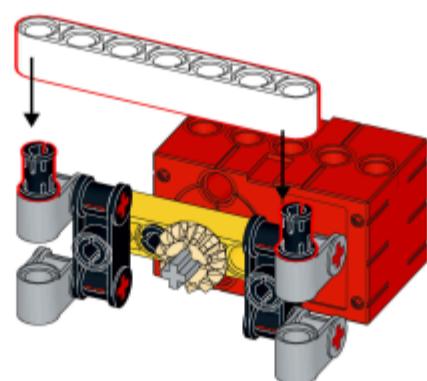
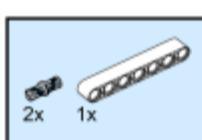
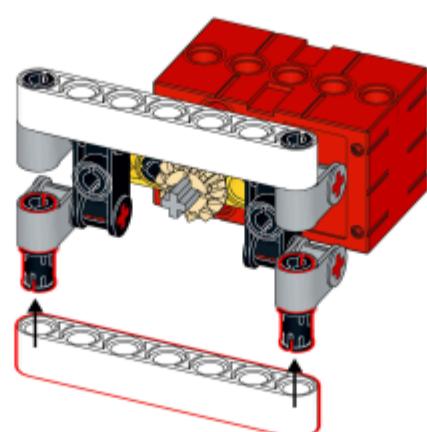
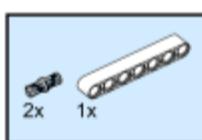
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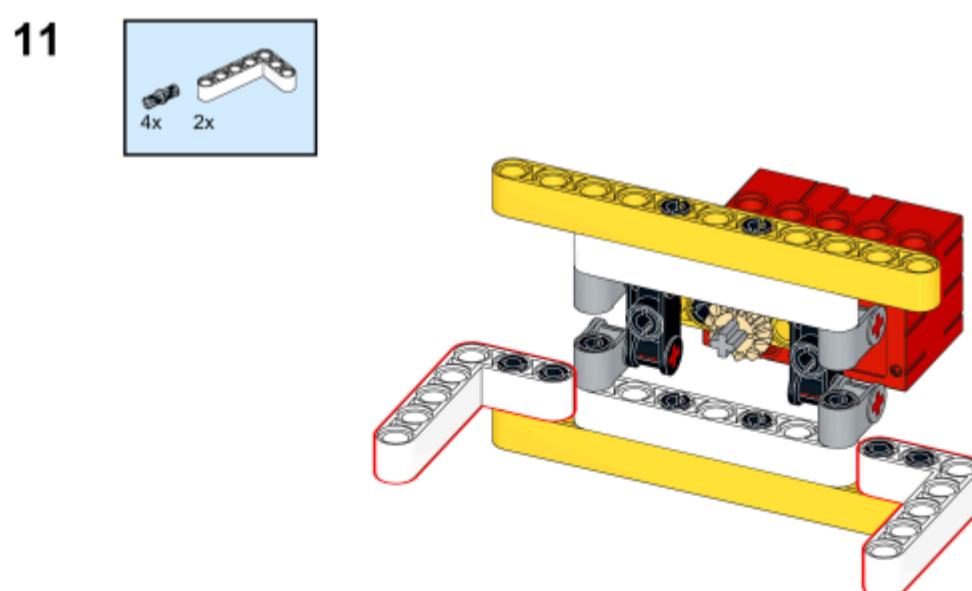
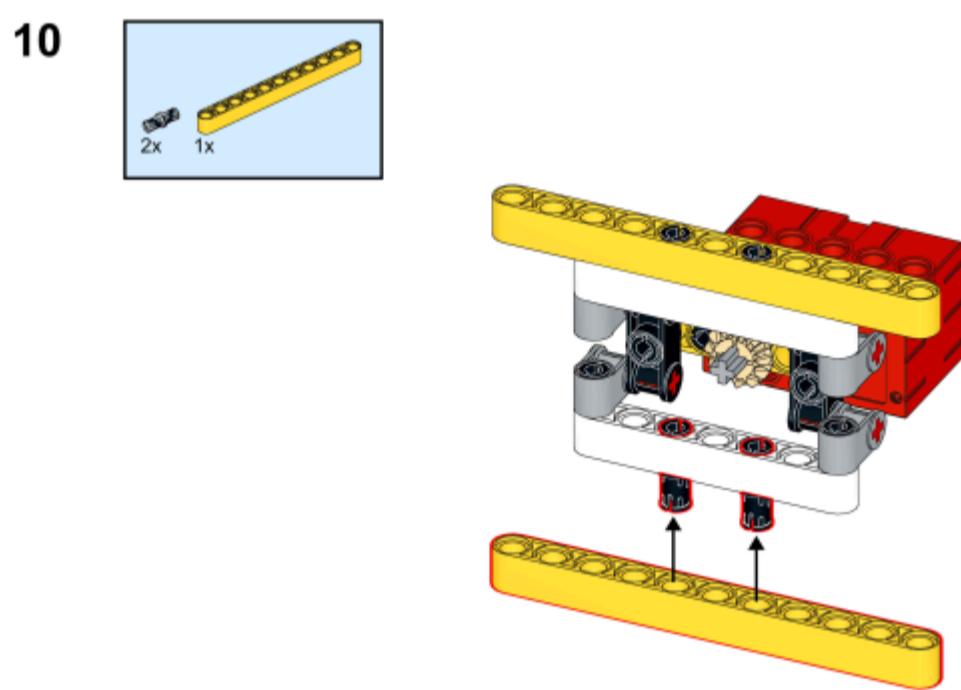
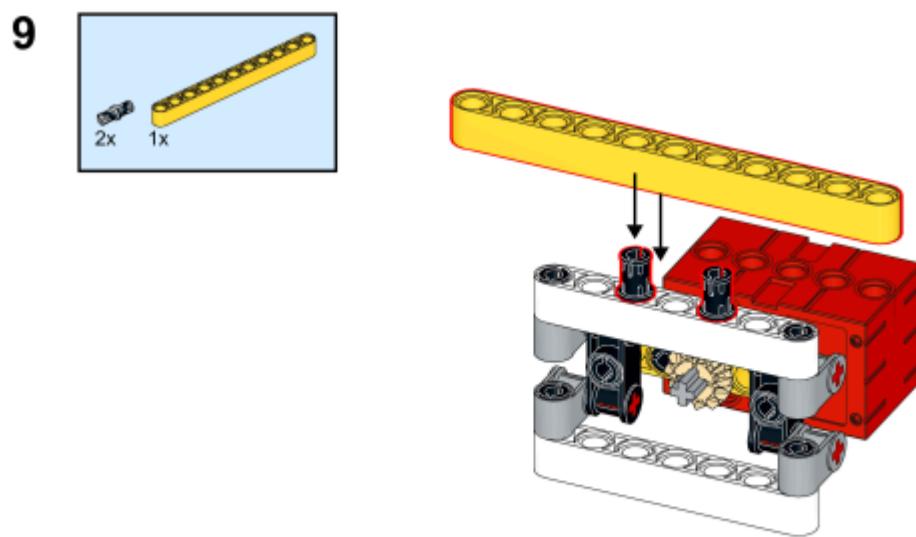


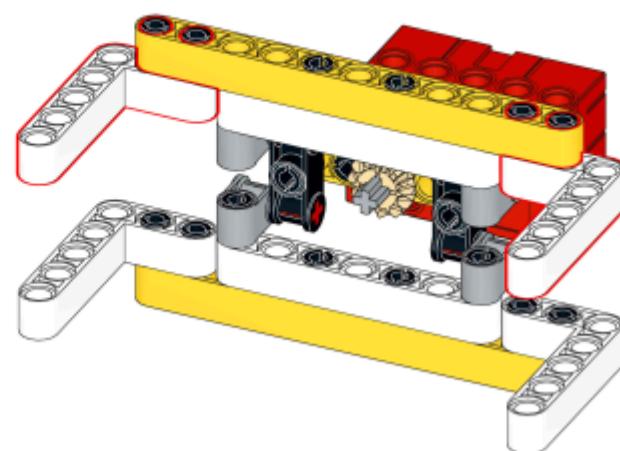
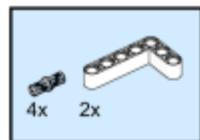
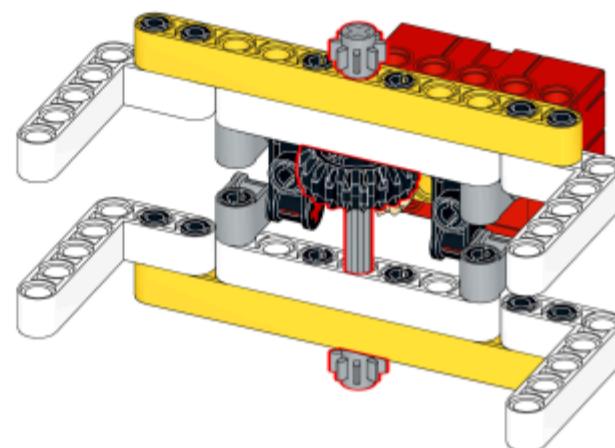
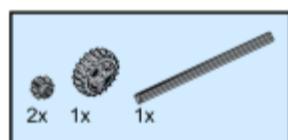
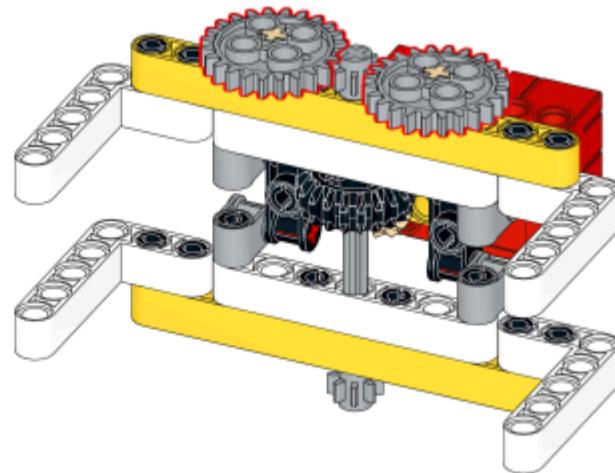
## 23.4. Bricks build-up

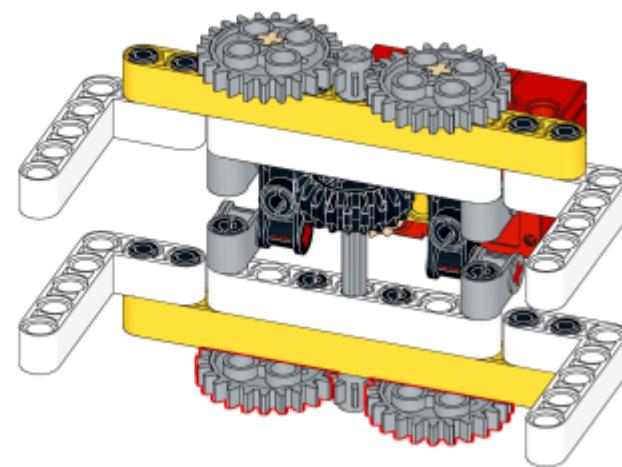
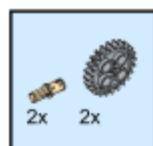
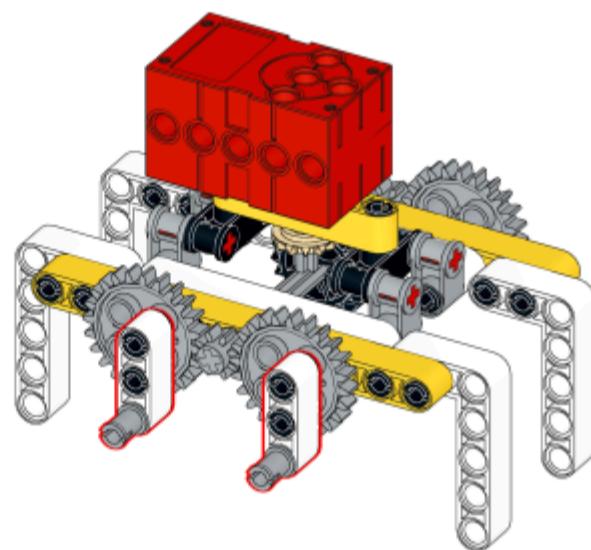
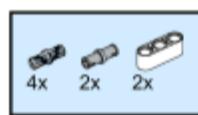
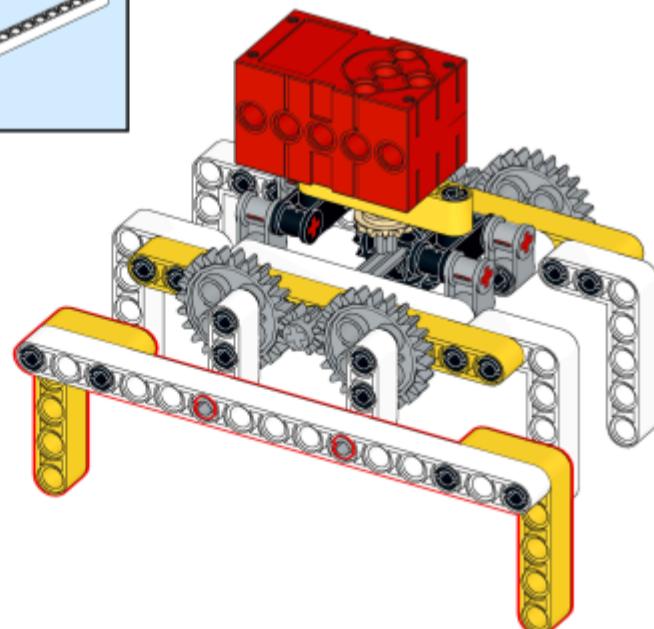
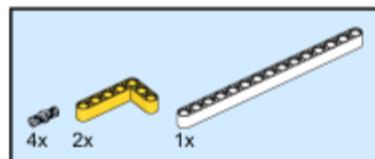


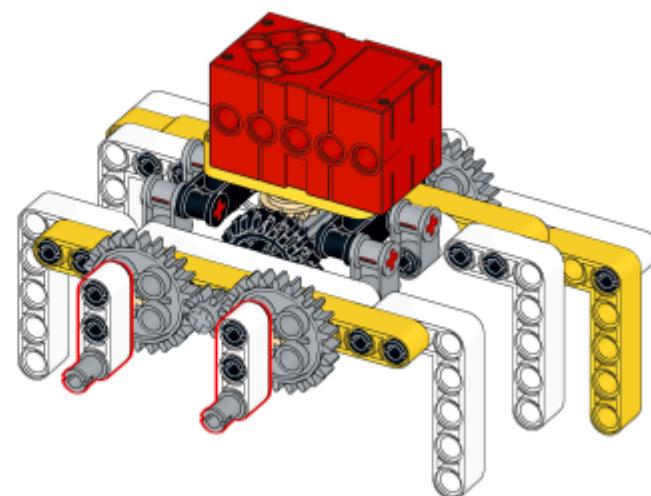
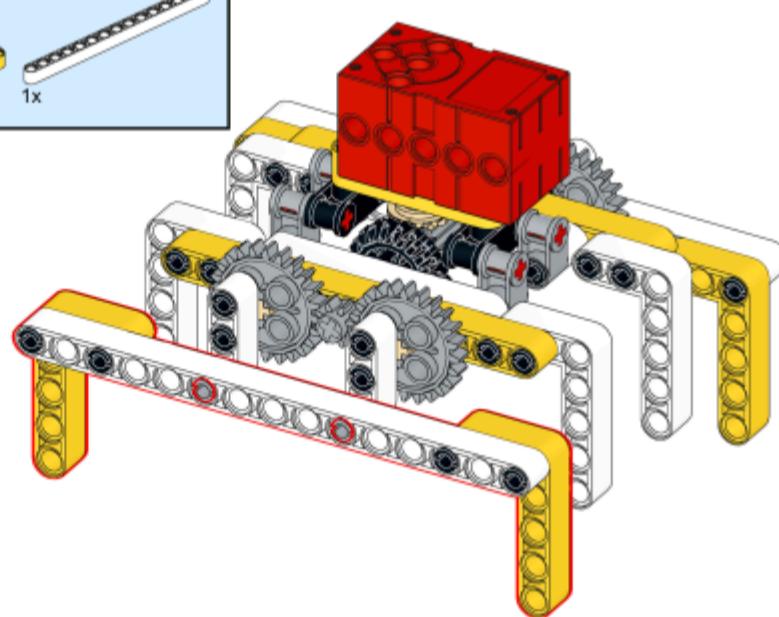
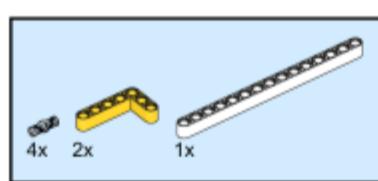
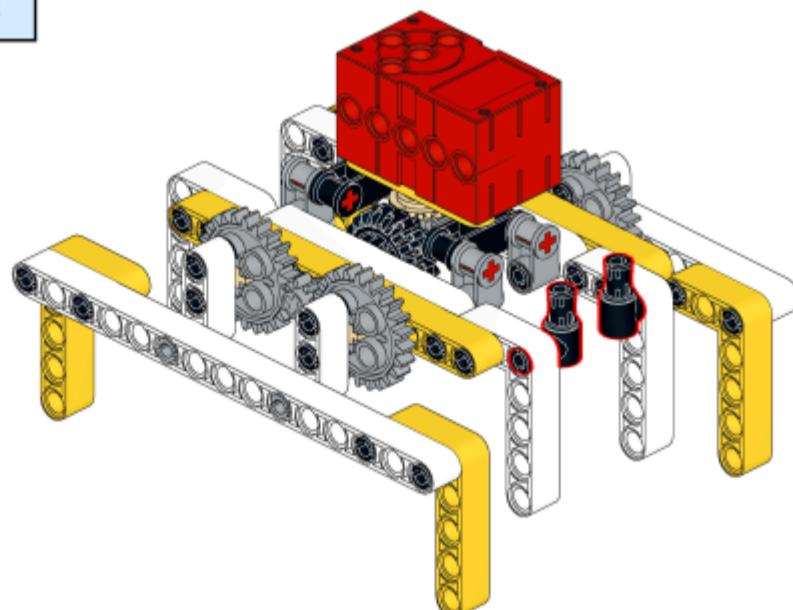
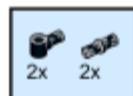
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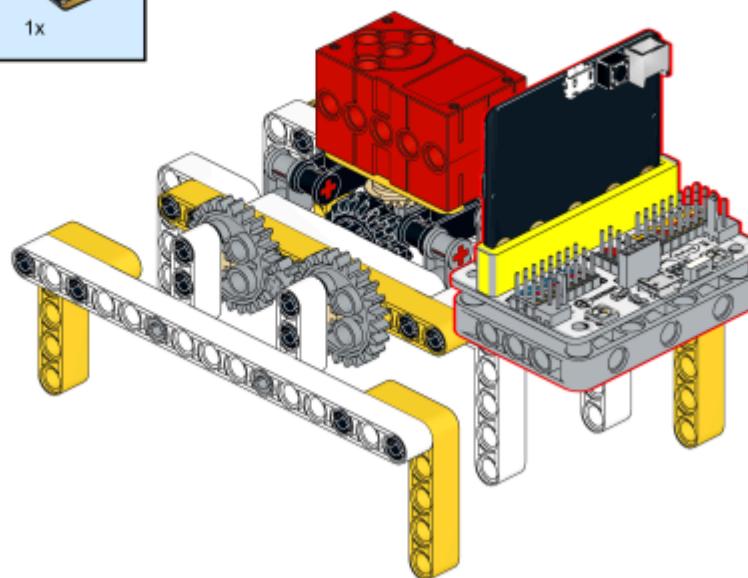
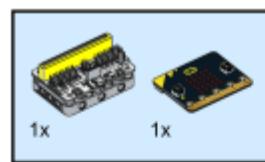
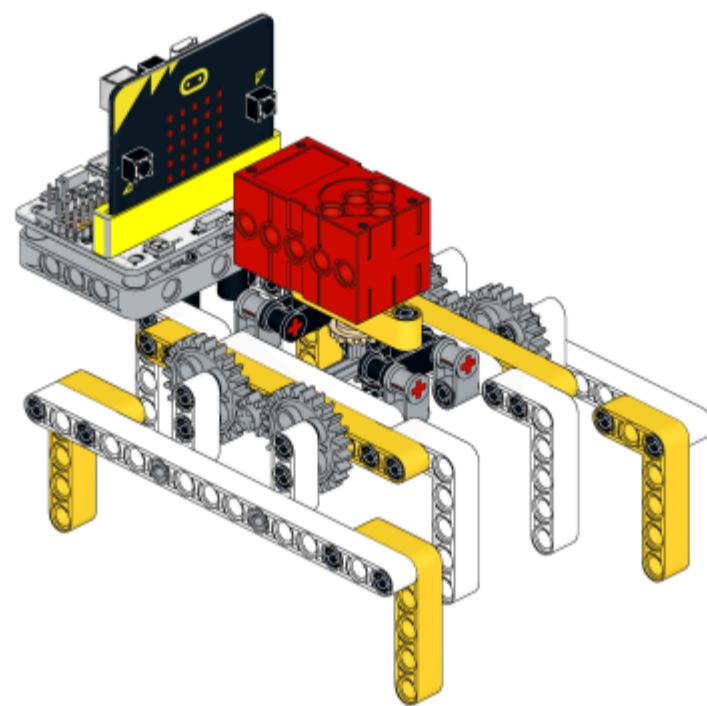
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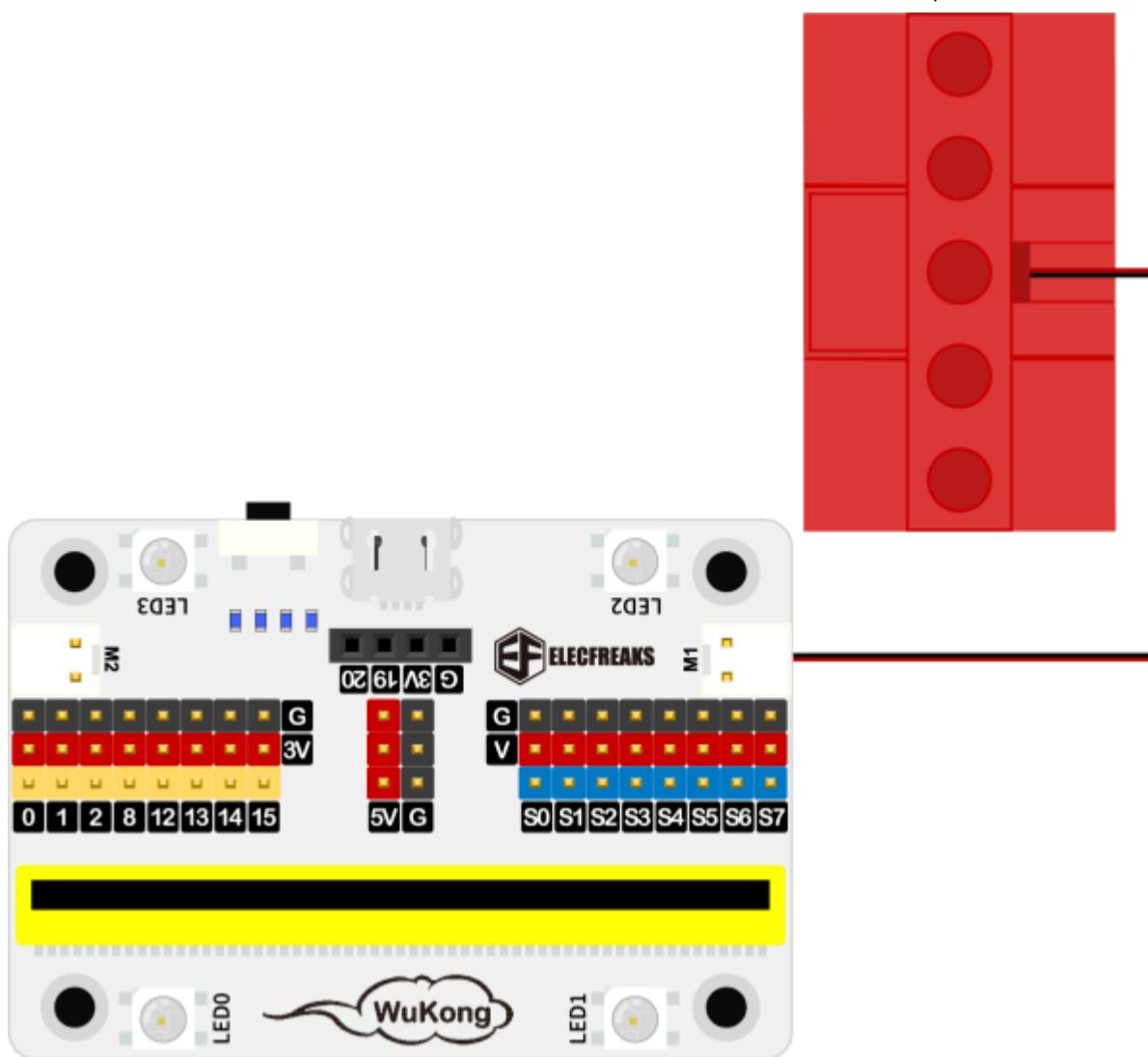
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**18****19****20**

**21****22**

## 23.5. Hardware Connection

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



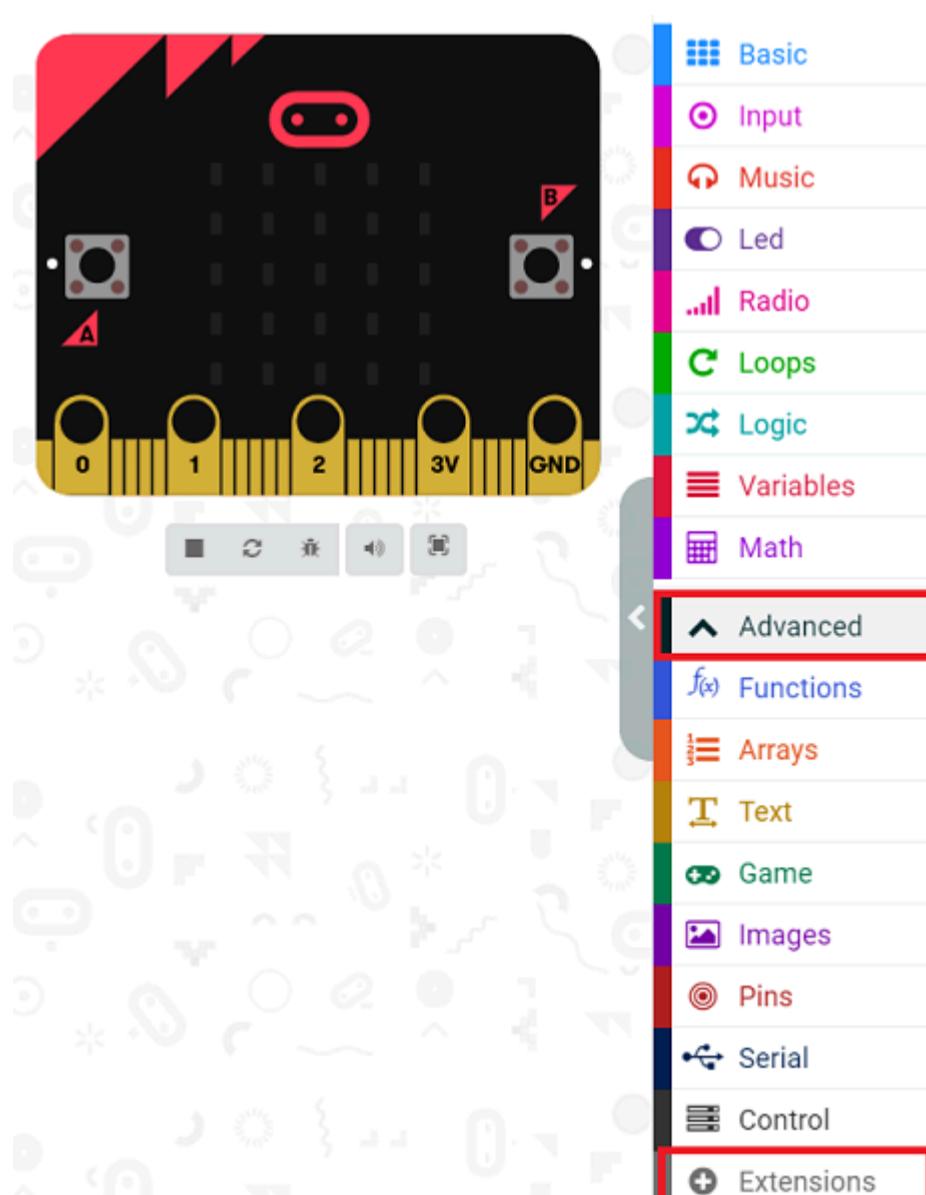
## 23.6. Software Platform

[MakeCode](#)

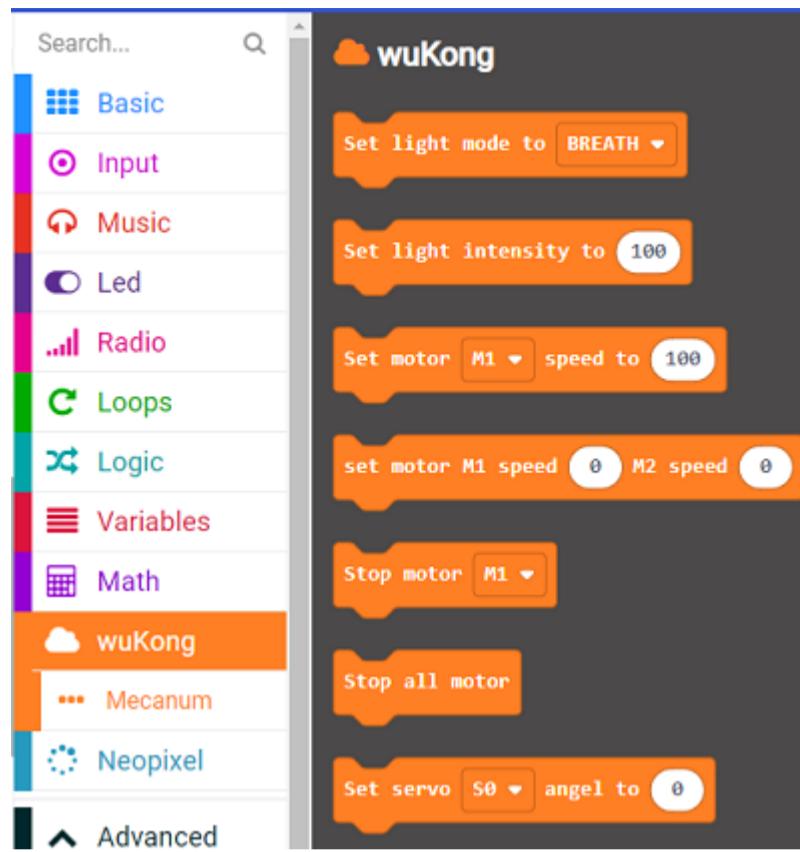
## 23.7. Coding

### Add extensions

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



Search with Wukong in the dialogue box to download it.



## Program

```

on start
    show icon [grid icon]

on button A pressed
    Set motor M1 speed to 100

on button B pressed
    Set motor M1 speed to -100

on button A+B pressed
    Stop all motor
  
```

Link:[https://makecode.microbit.org/\\_fyVf4ii4v0p8](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.

By ELECFREAKS Team

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