

# Case 22: The Helicopter

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### 24.1. Purpose

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Make a helicopter.



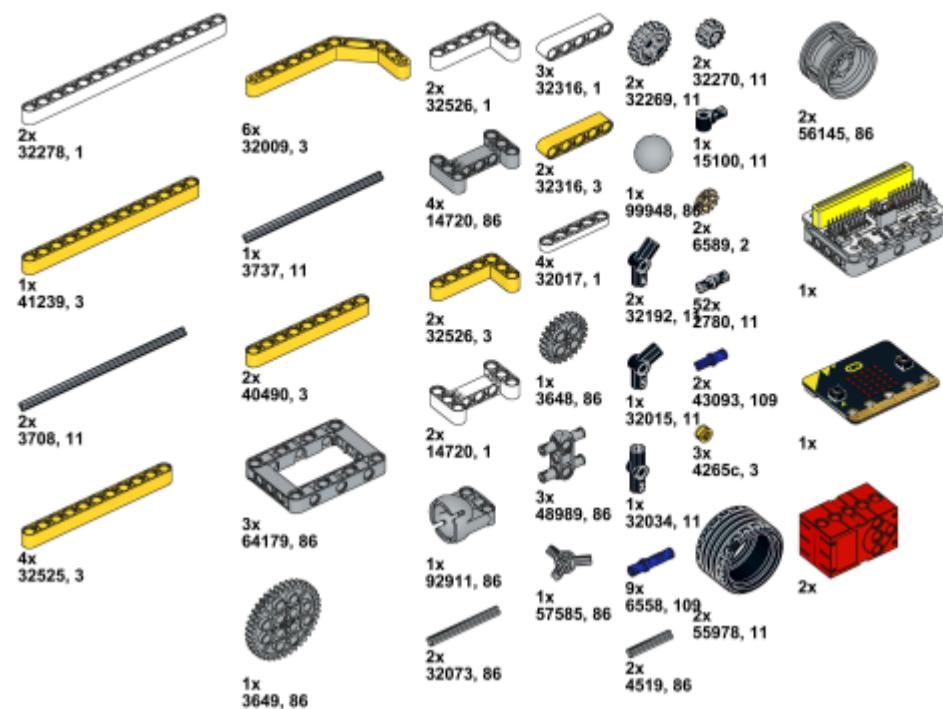
### 24.2. Link:

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[micro:bit Wonder Building Kit](#)

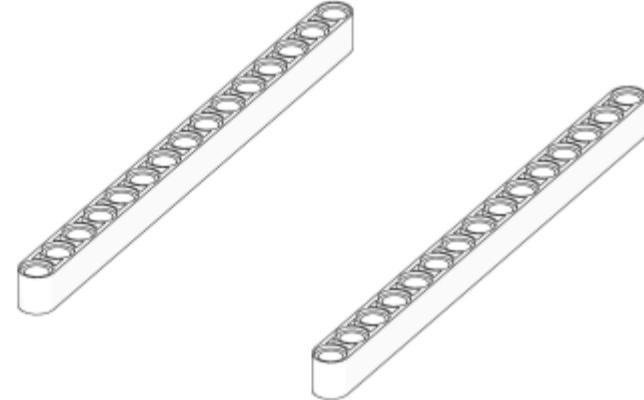
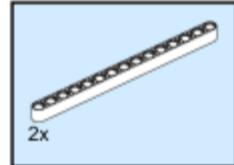
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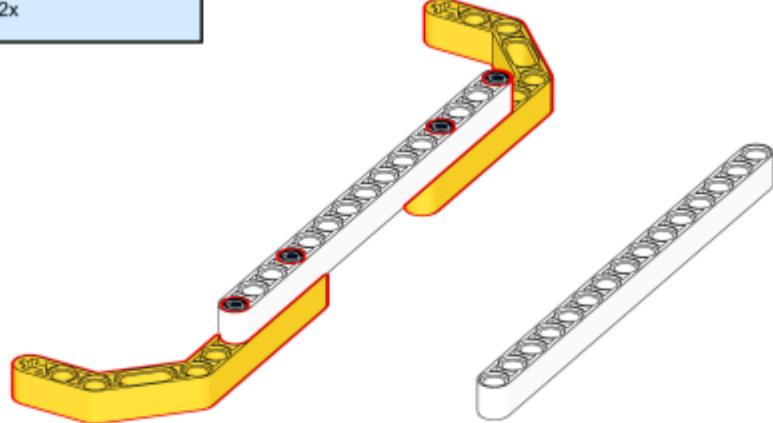
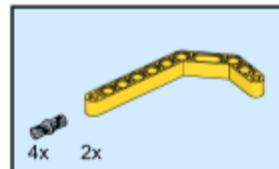


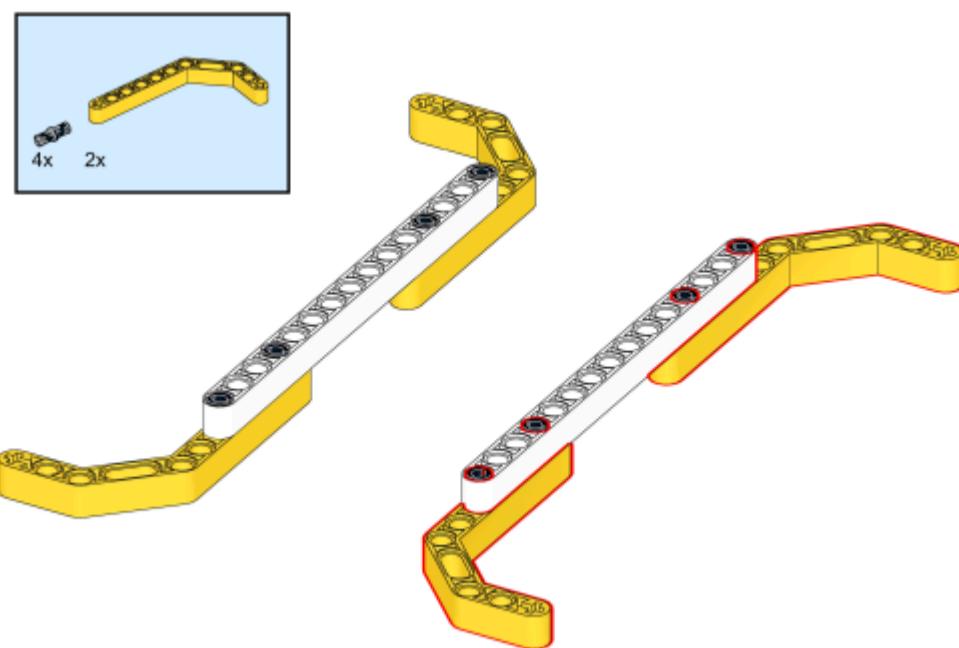
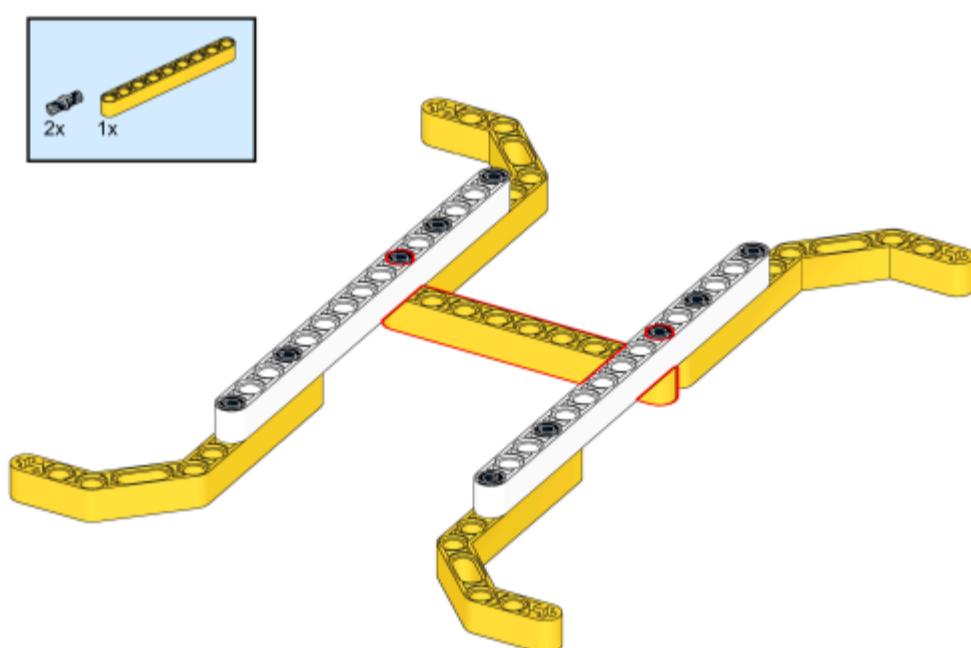
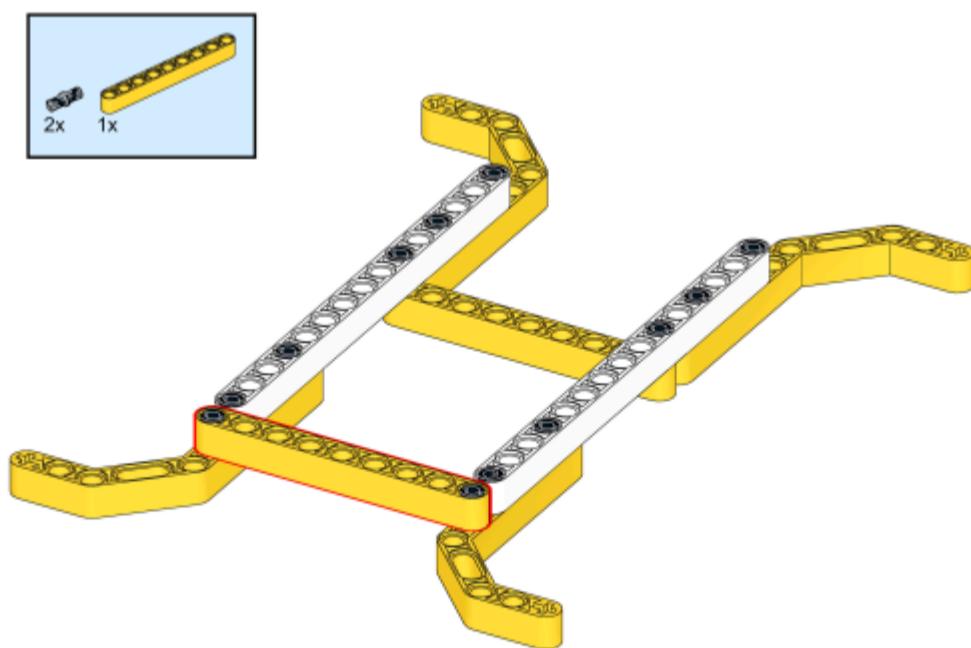
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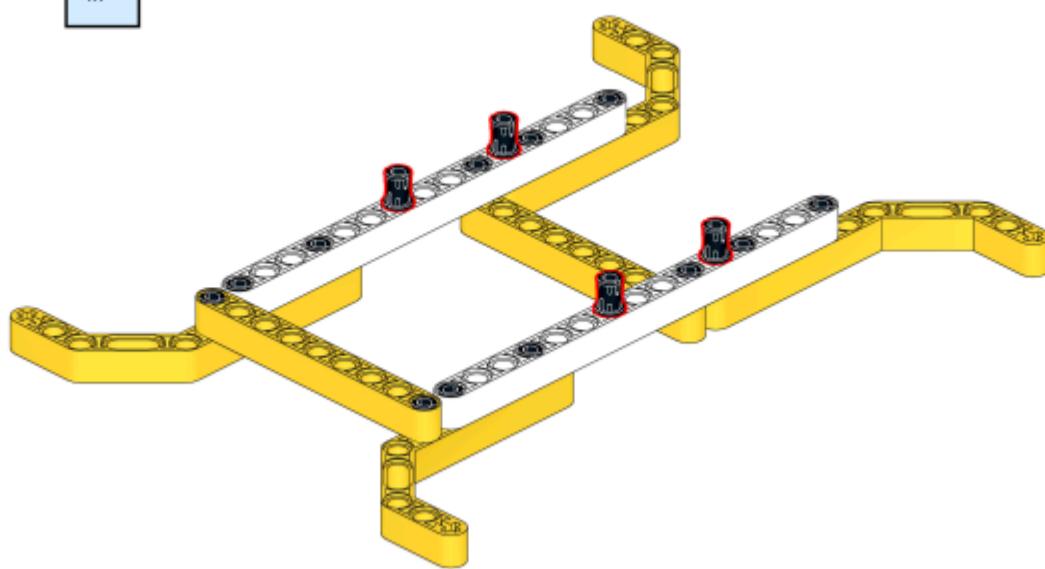
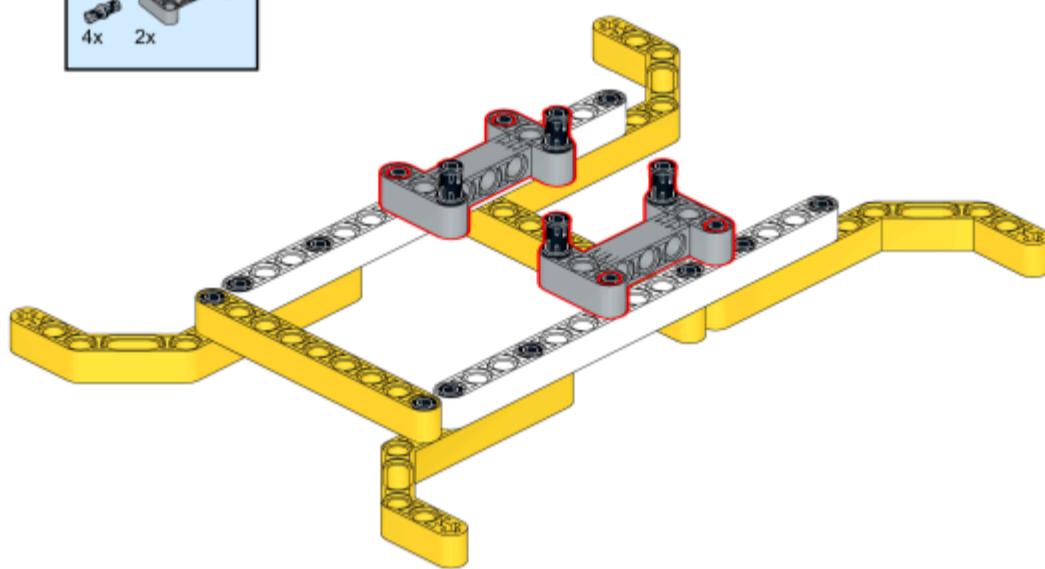
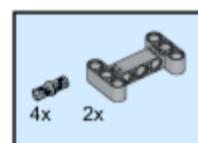
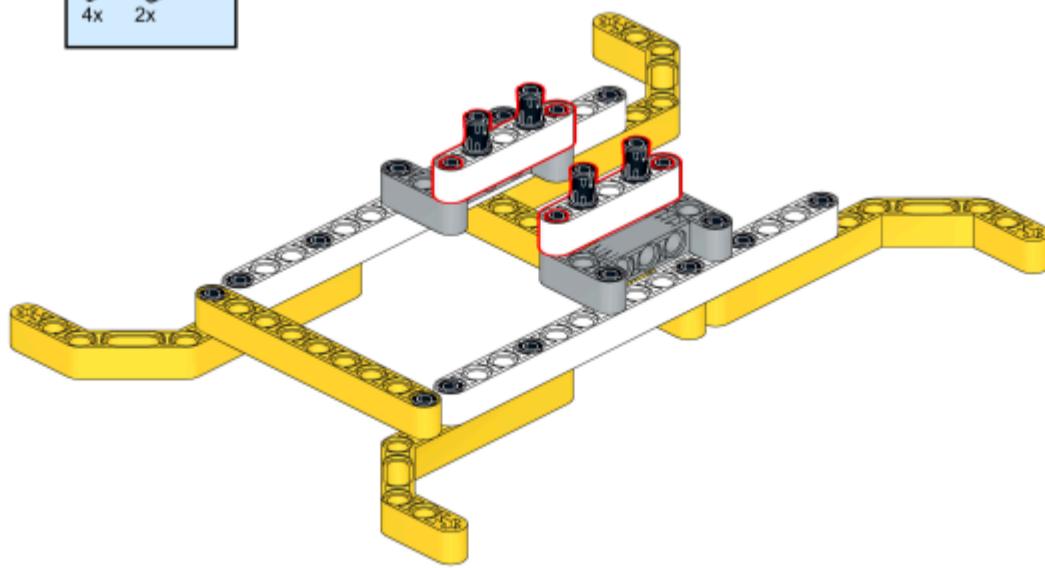
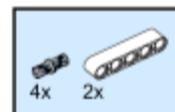
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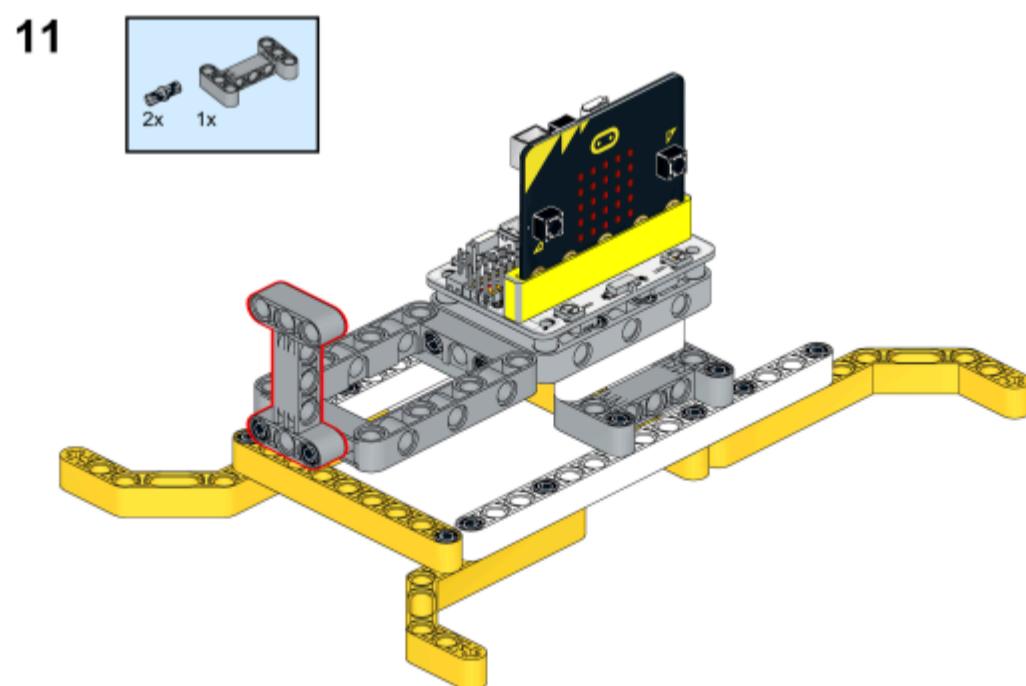
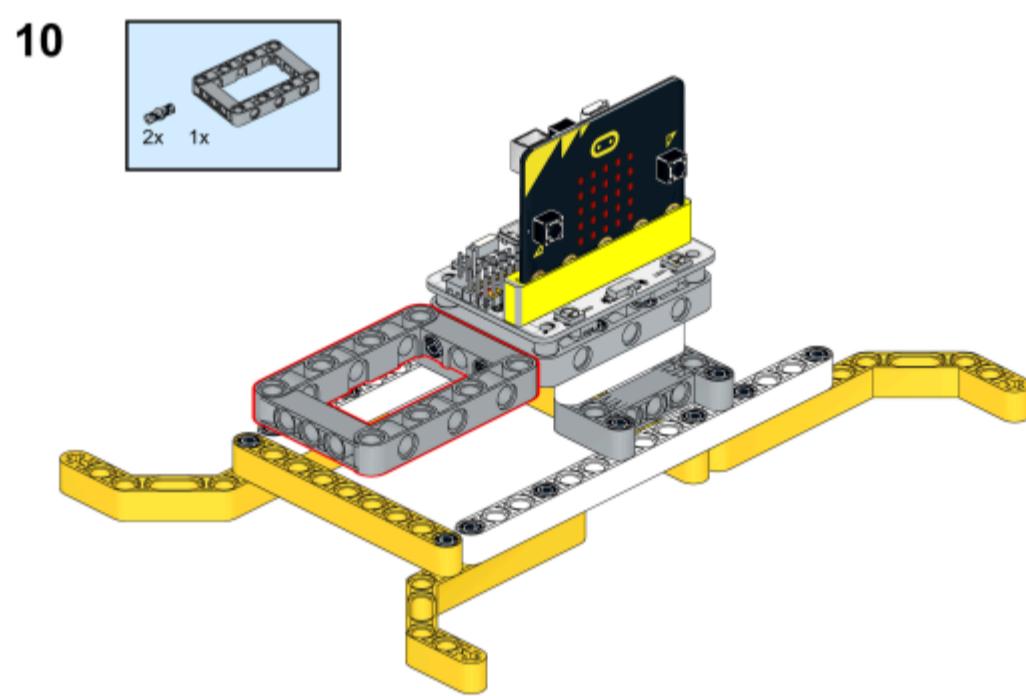
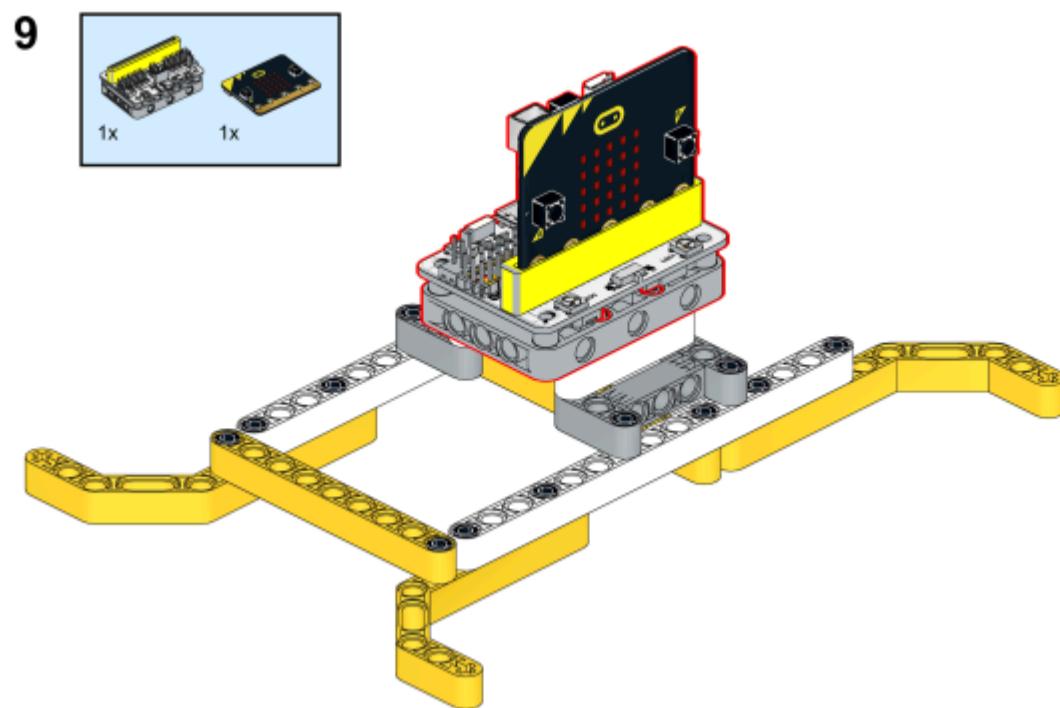


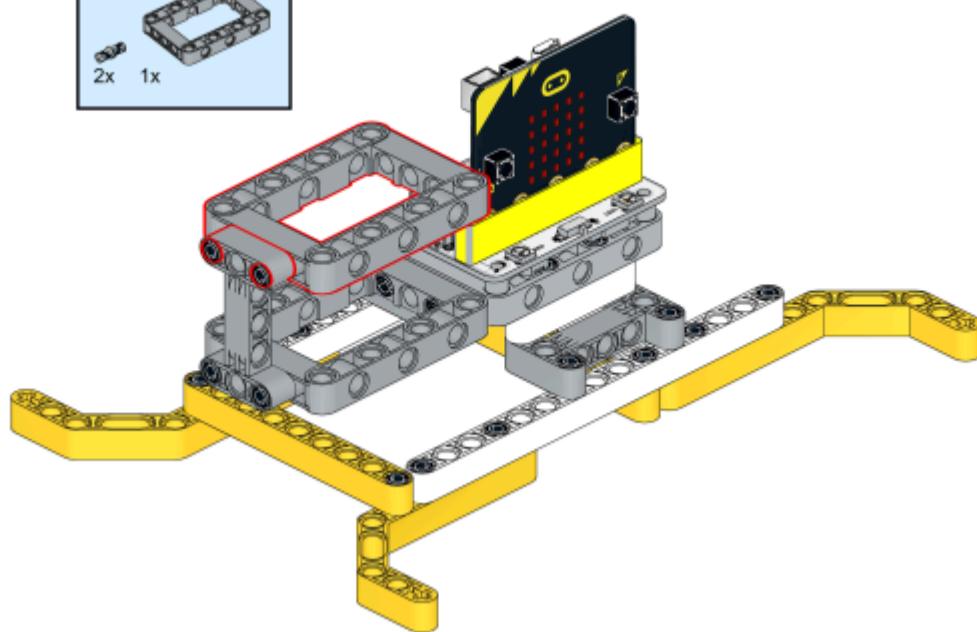
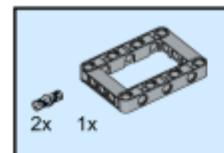
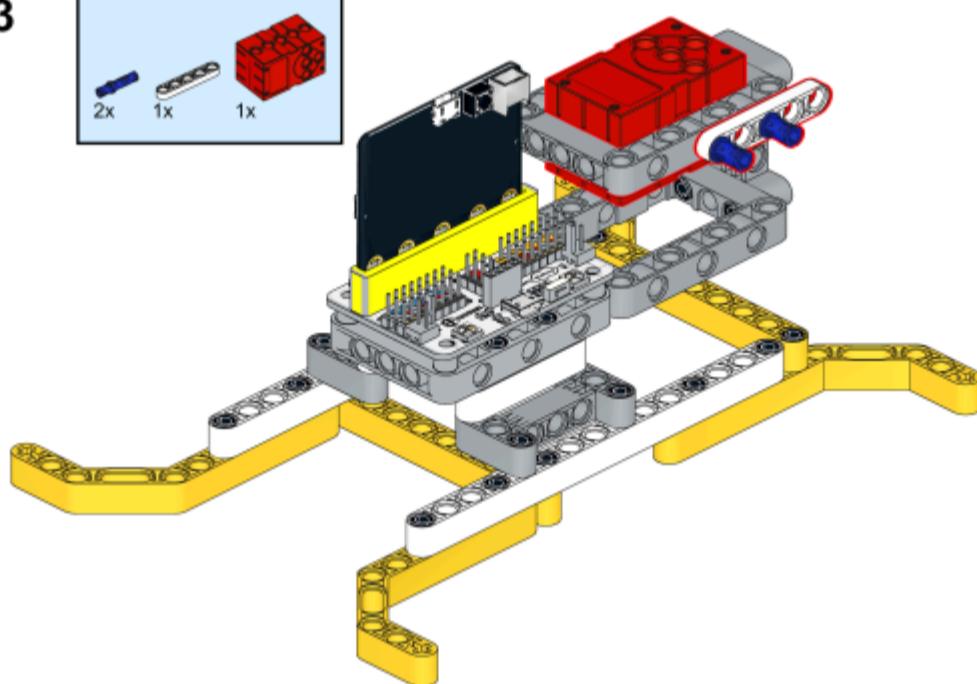
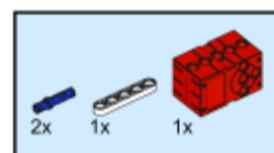
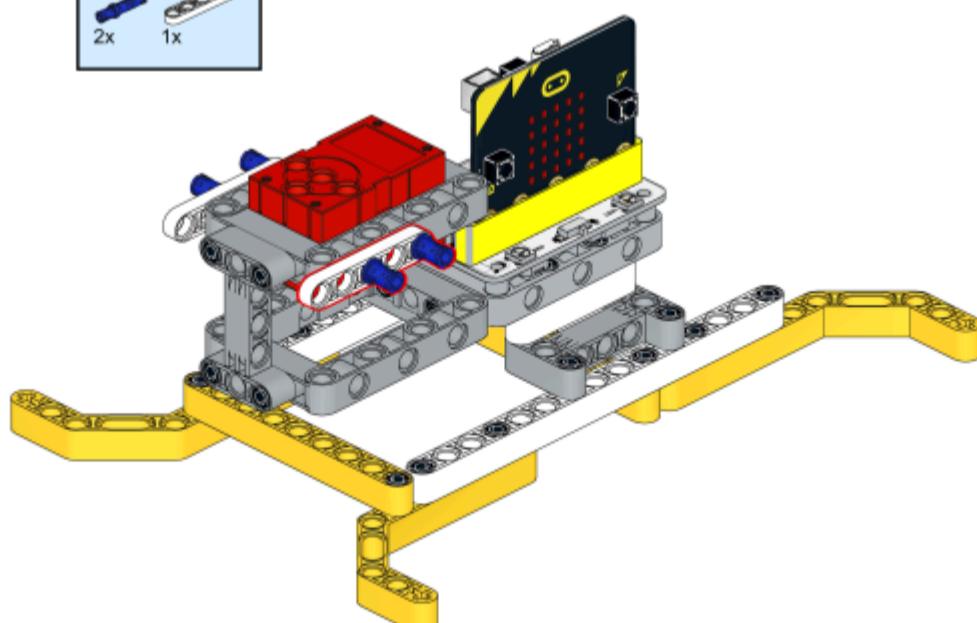
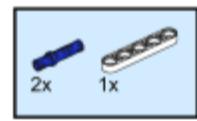
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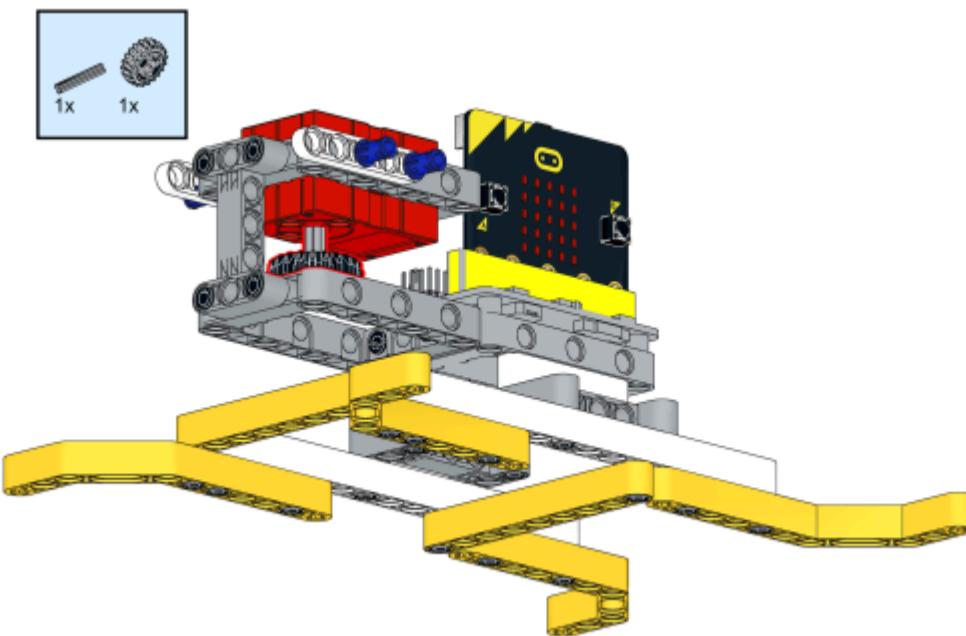
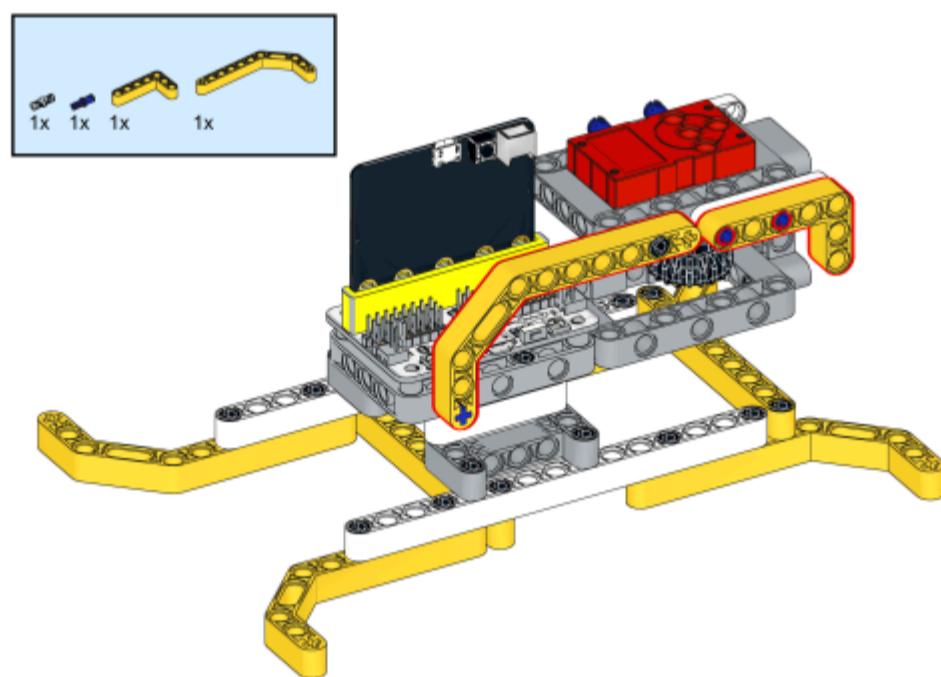
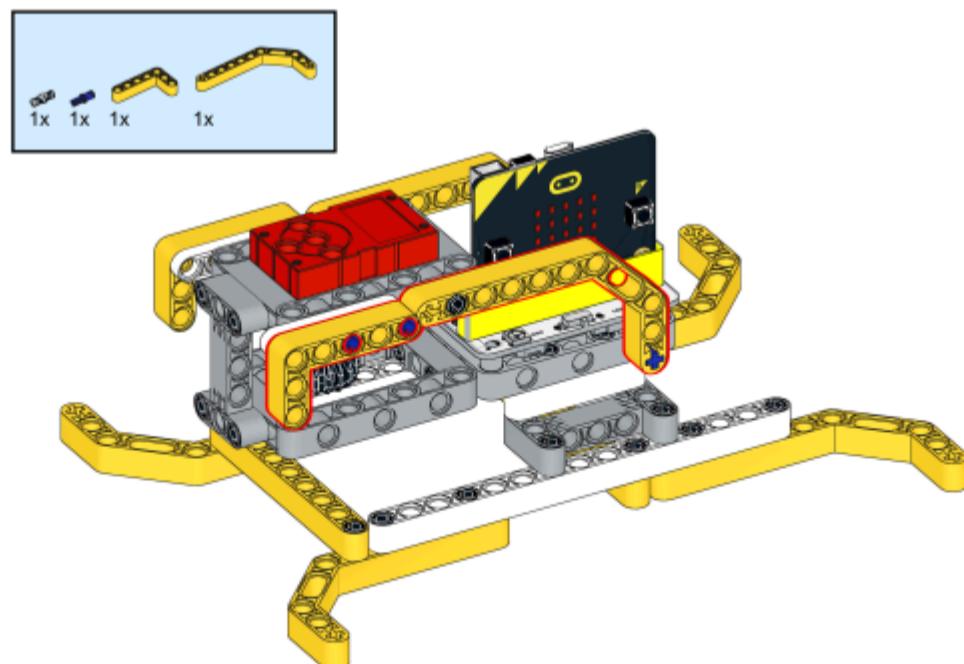


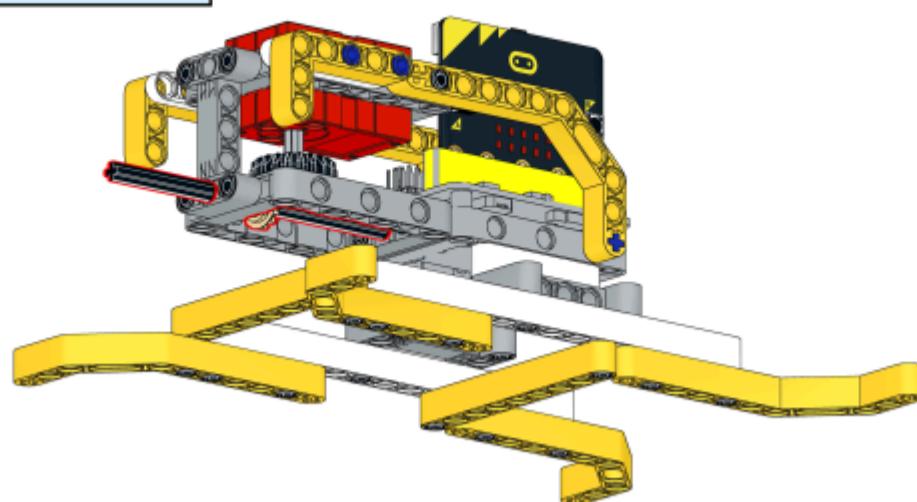
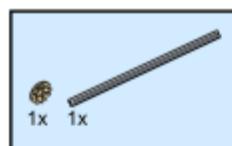
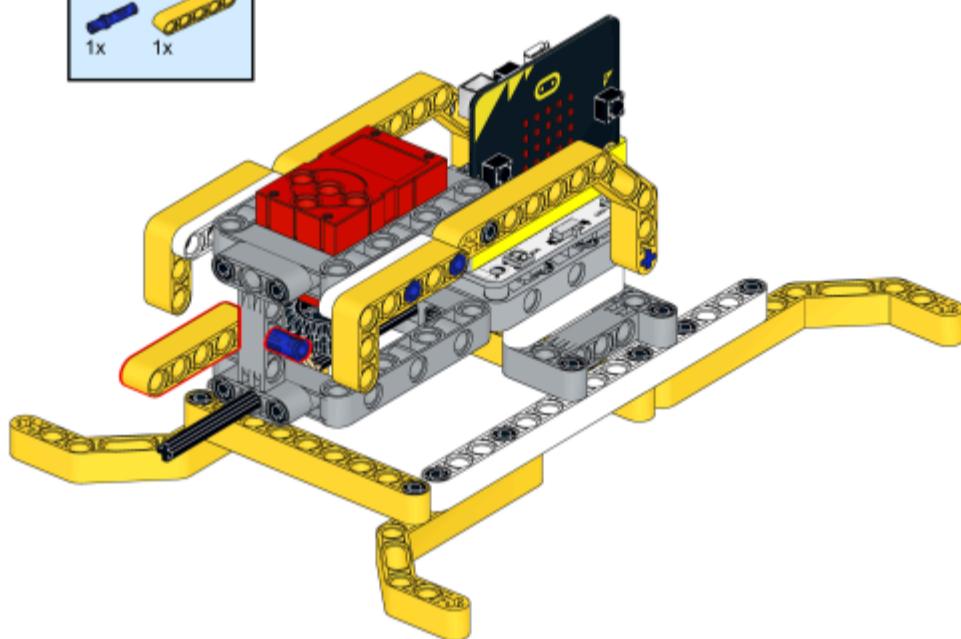
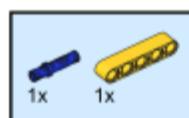
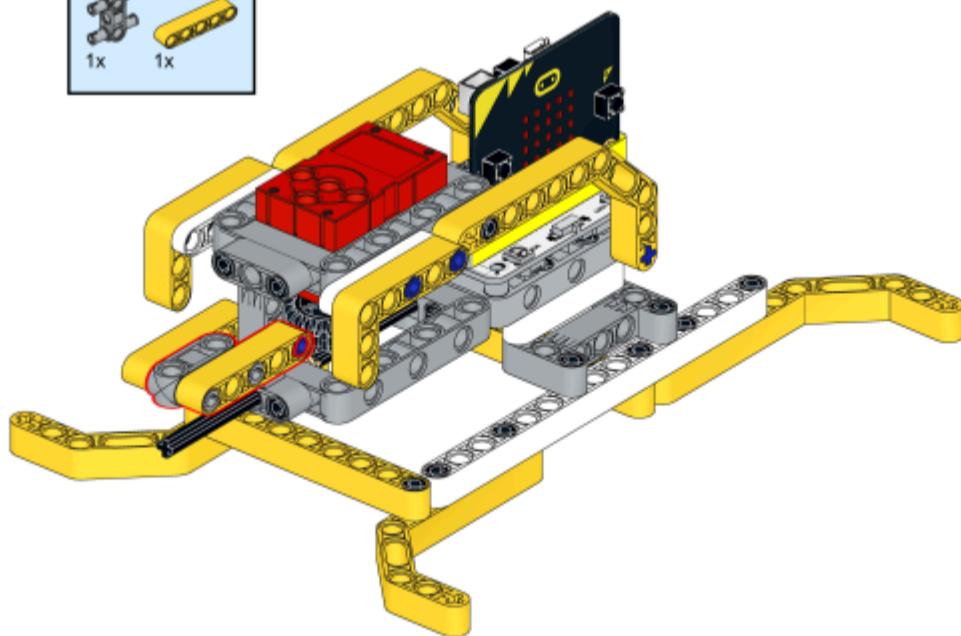
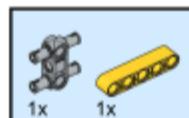
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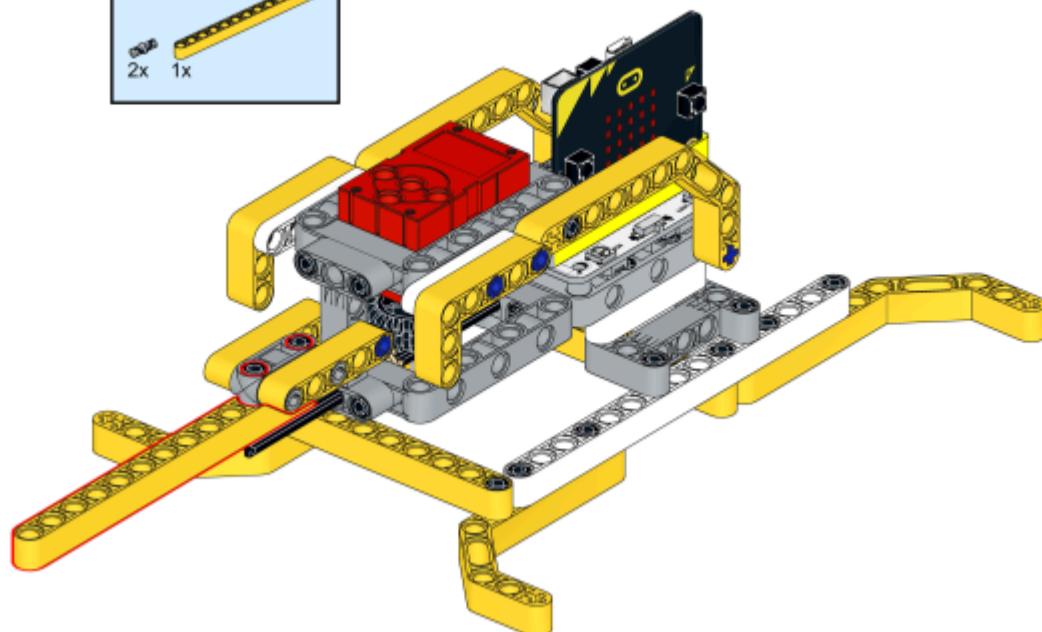
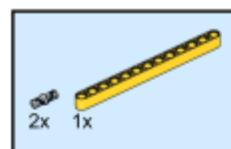
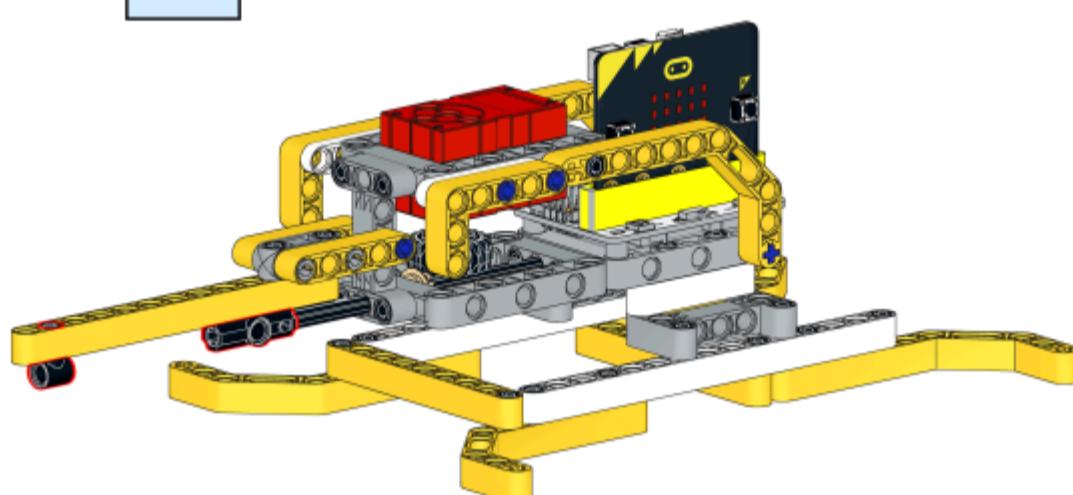
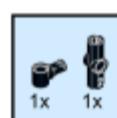
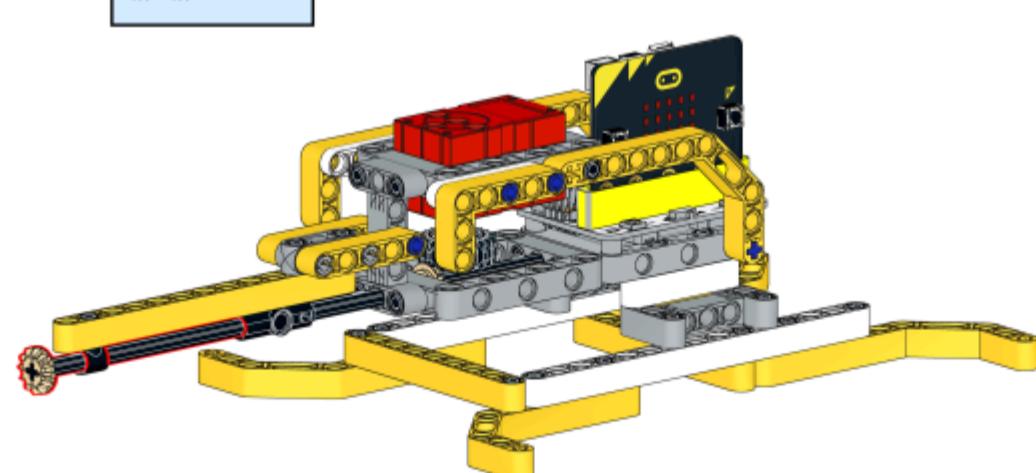
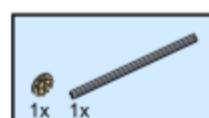
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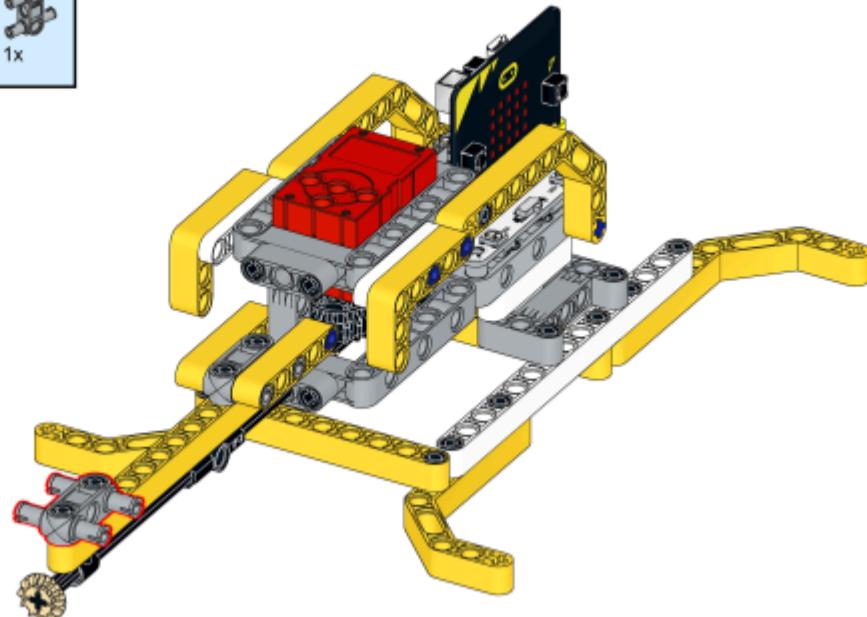
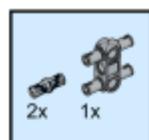
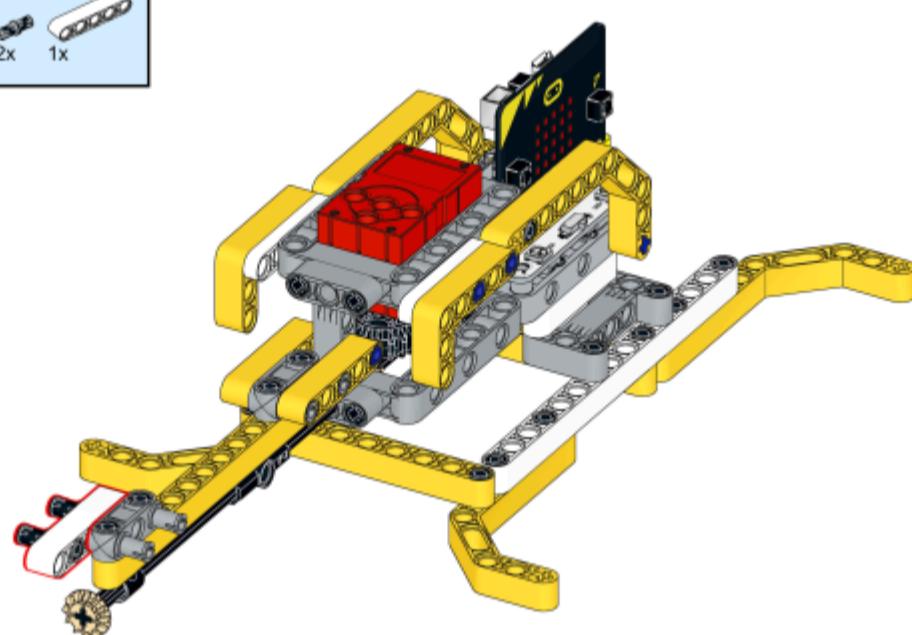
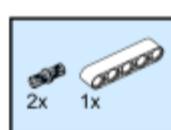
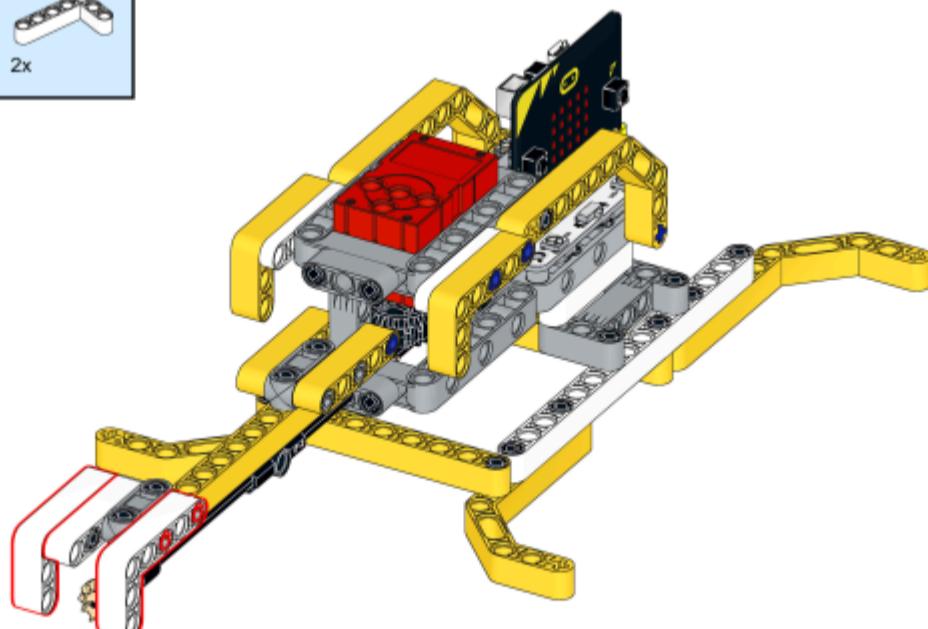
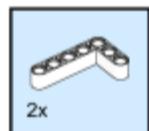


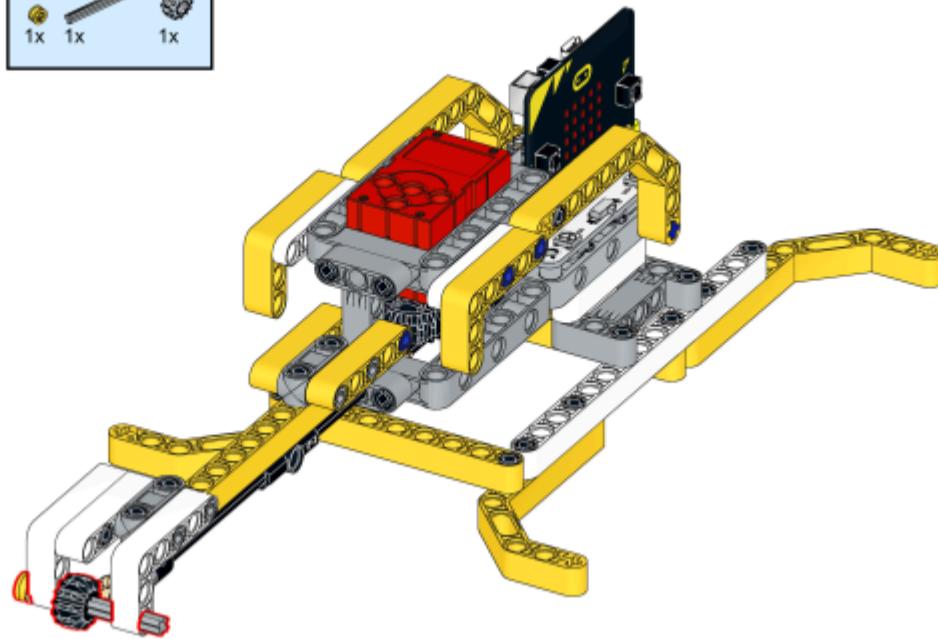
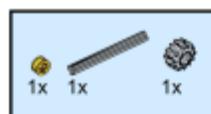
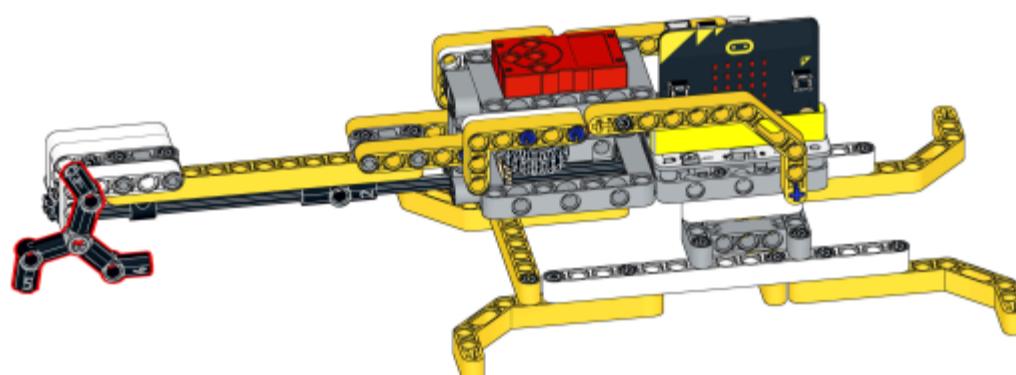
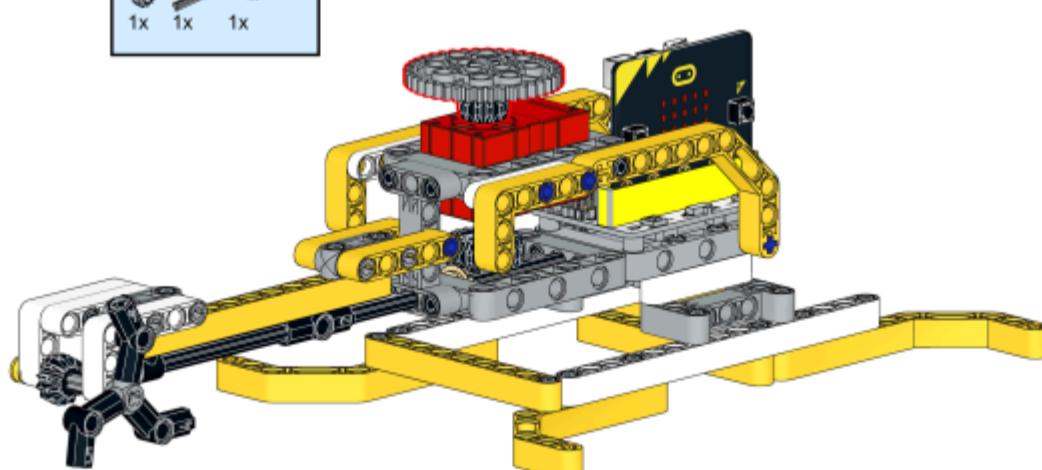
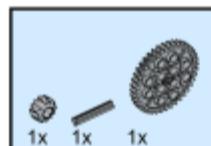
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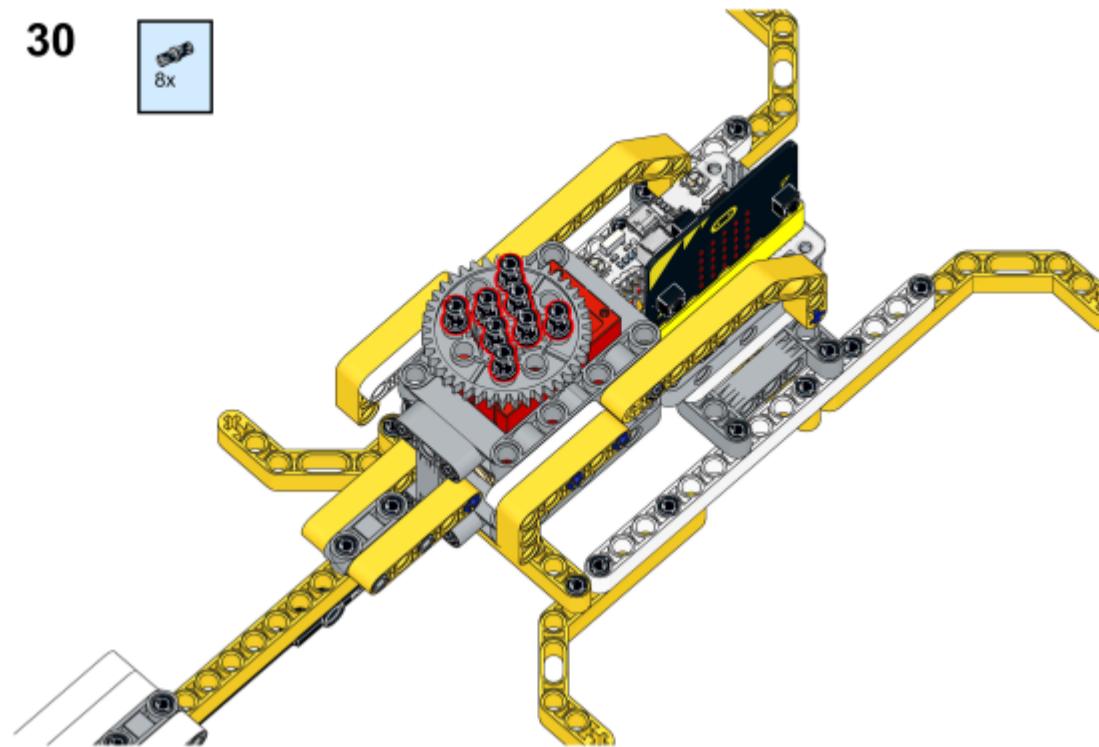
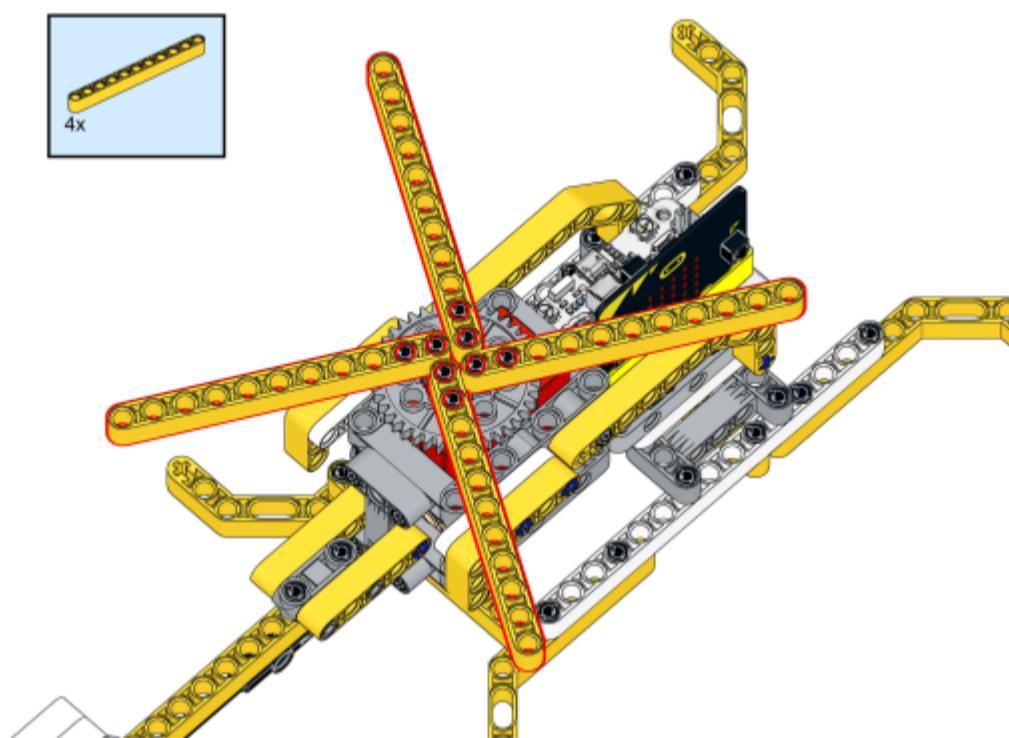
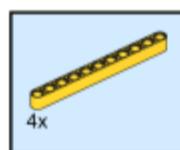
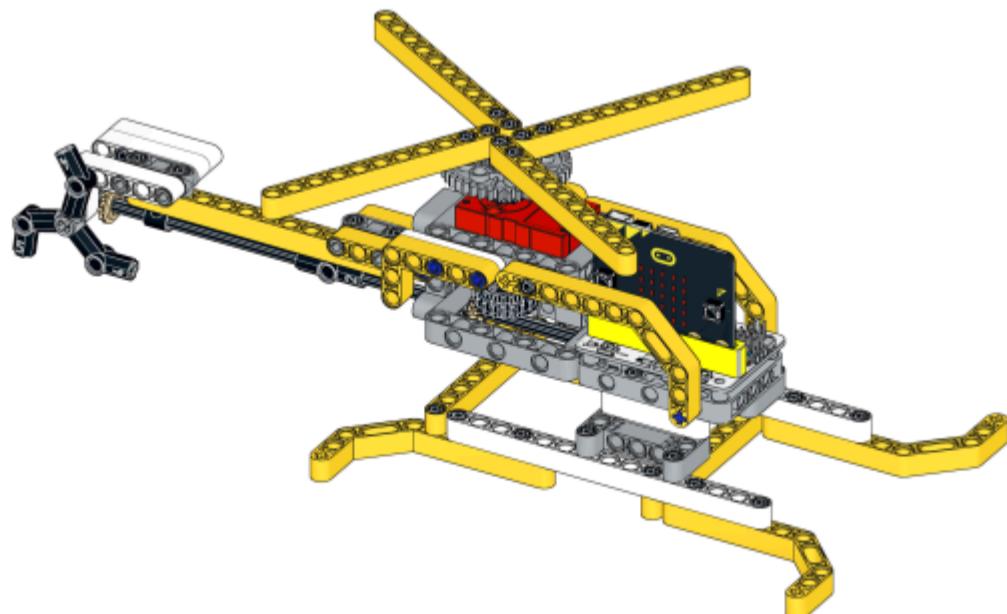
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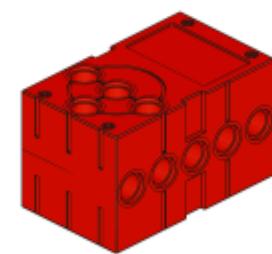
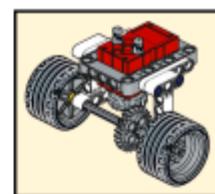
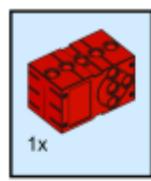
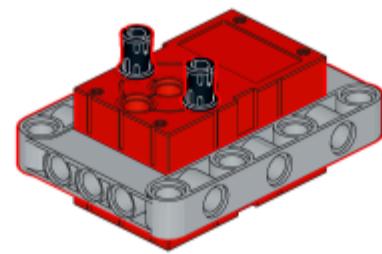
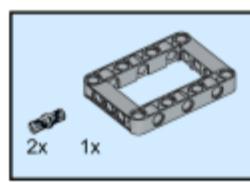
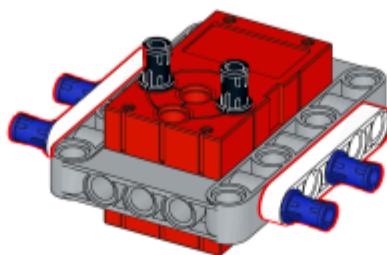
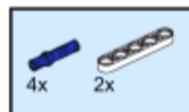
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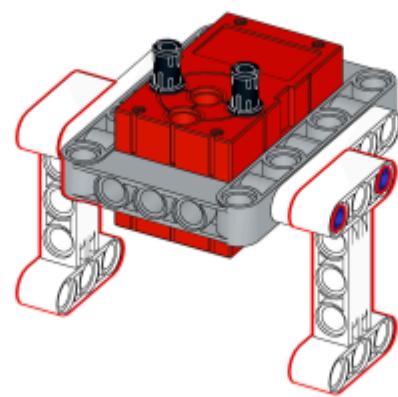
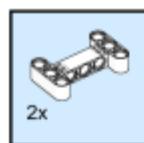
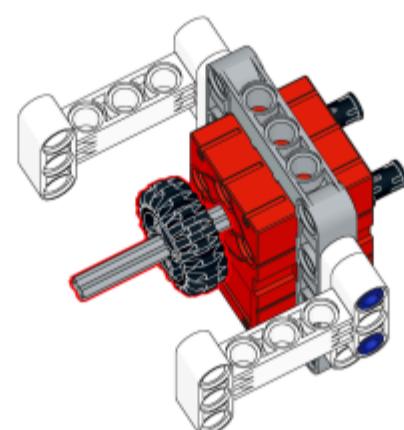
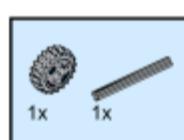
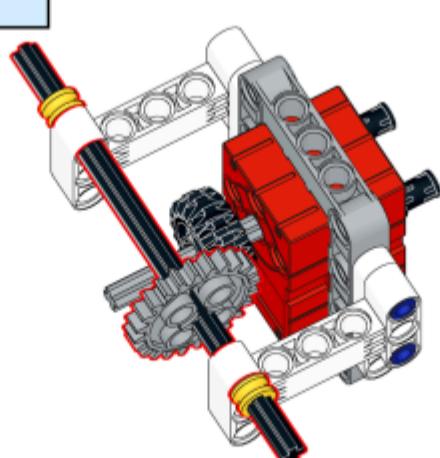
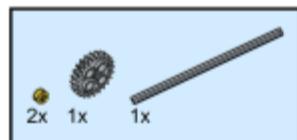
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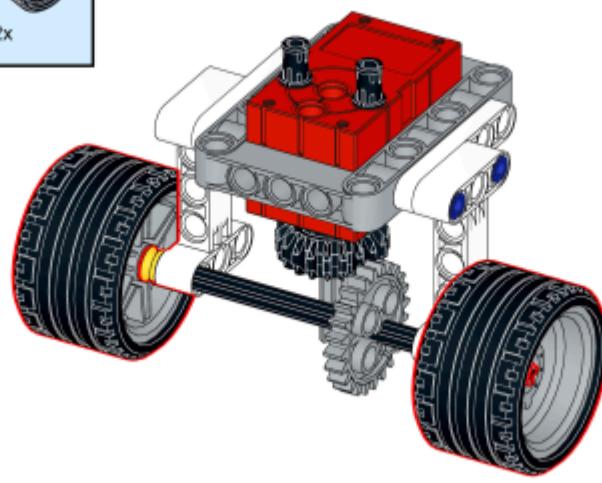
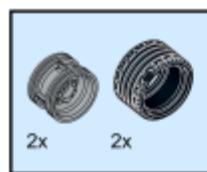
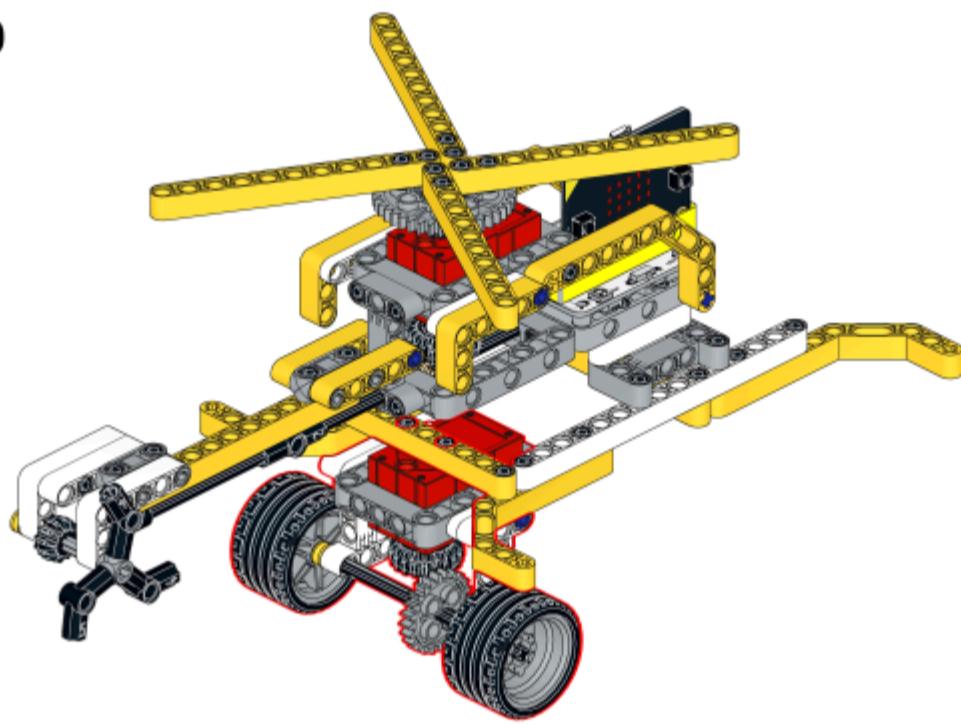
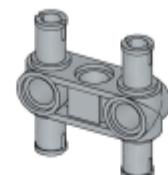
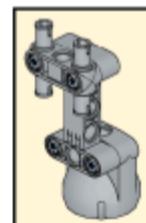
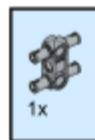
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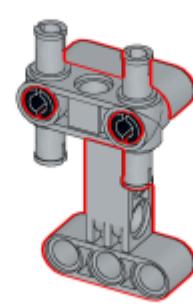
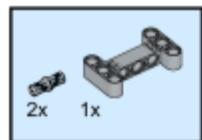
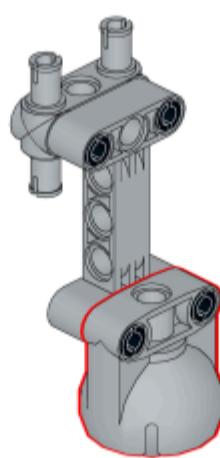
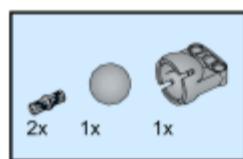
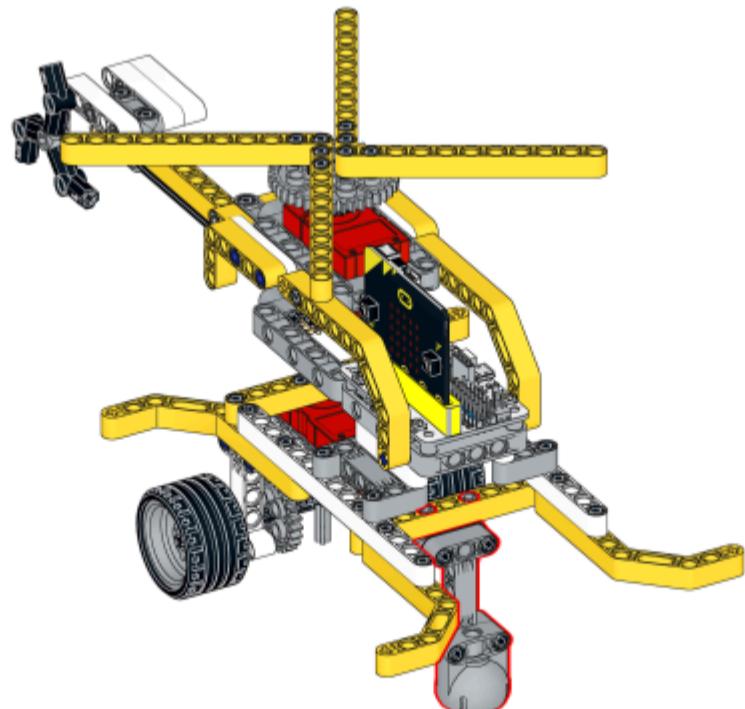
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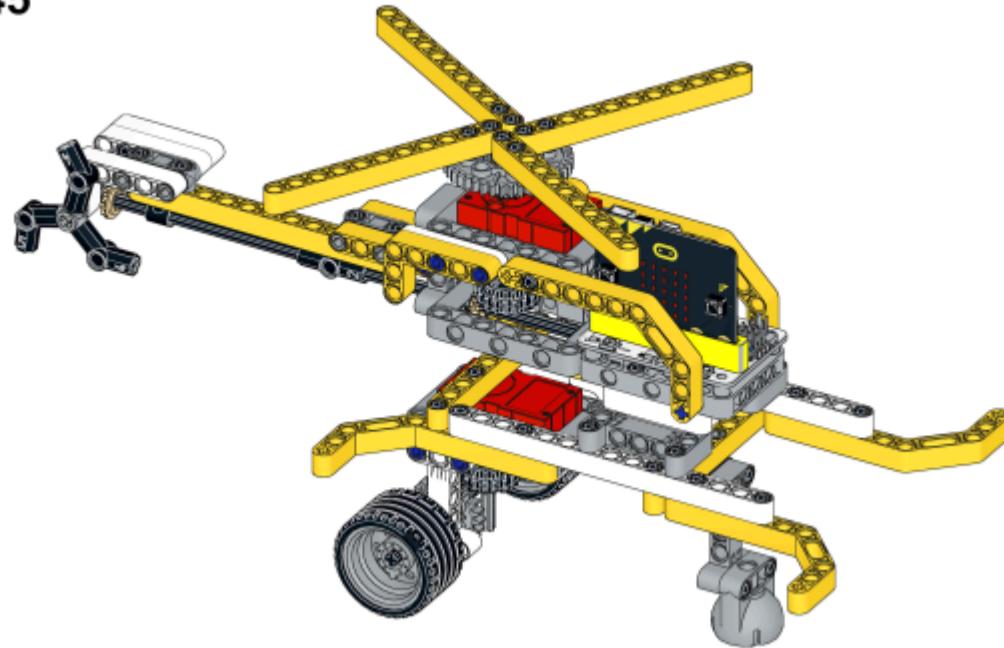
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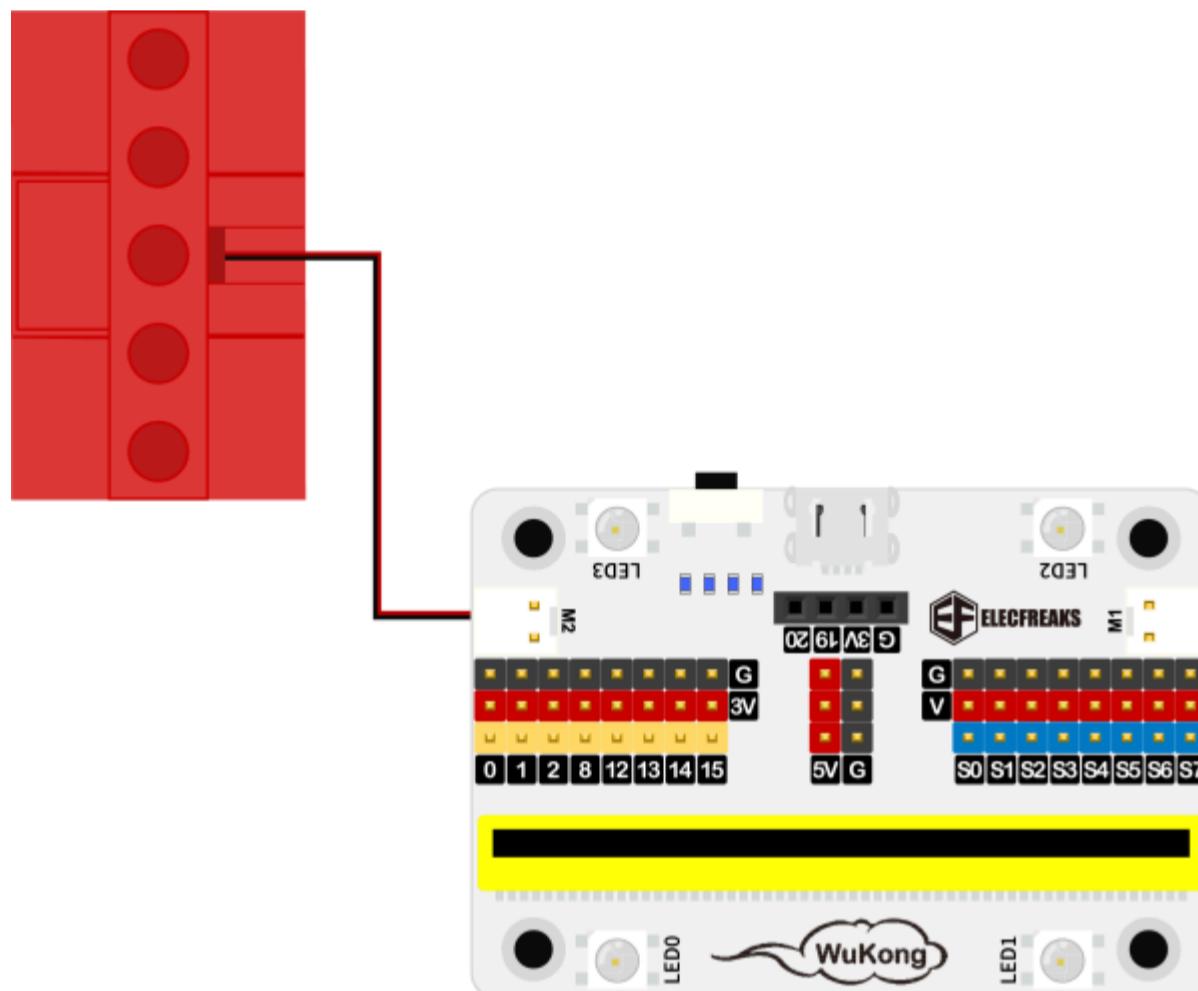
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## 24.5. Hardware Connection

Connect a [motor](#) to M2 port on [Wukong breakout board](#).



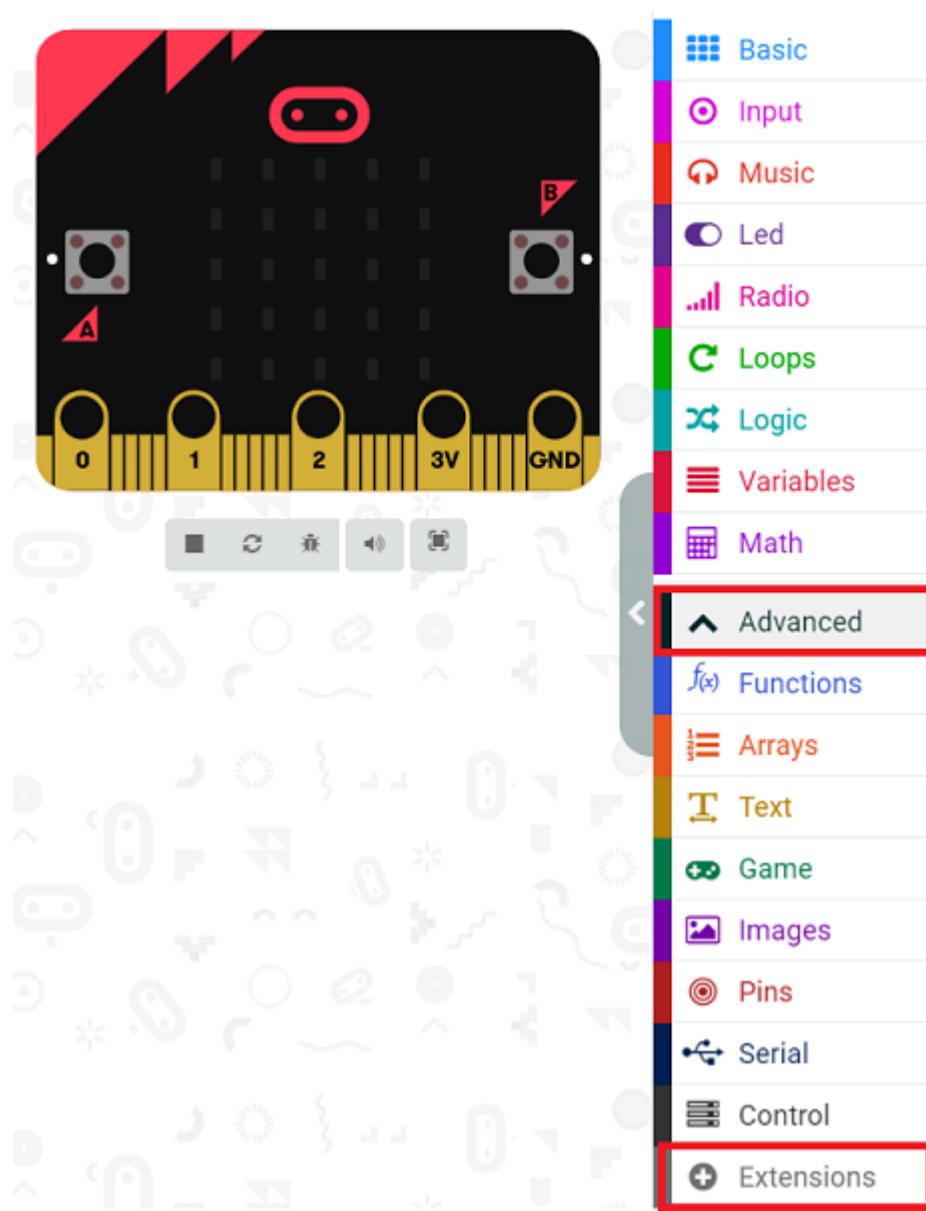
## 24.6. Software Platform

[MakeCode](#)

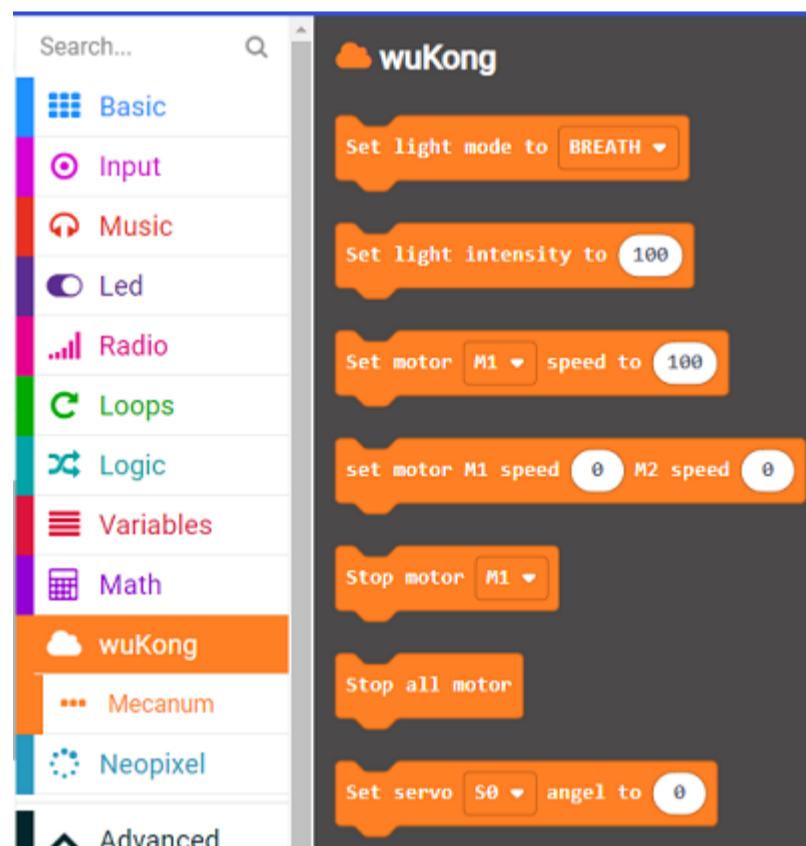
## 24.7. Coding

Add extensions

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



Search with Wukong in the dialogue box to download it.



## Program

```

on button A ▾ pressed
  show icon [grid icon]
  Set motor M2 ▾ speed to 100

on button B ▾ pressed
  clear screen
  Stop motor M2 ▾

```

Link:[https://makecode.microbit.org/\\_2zv14dduY6D7](https://makecode.microbit.org/_2zv14dduY6D7)

## Result

When button A is pressed, the micro:bit displays a heart pattern and the helicopter propeller starts to rotate; when button B is pressed, the micro:bit screen is cleared and the helicopter propeller stops rotating.

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By ELECFREAKS Team

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