

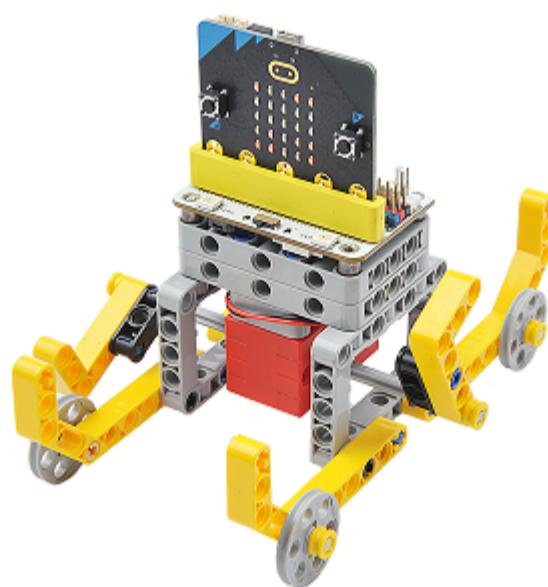
Case 10: Boating

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12.1. Purpose

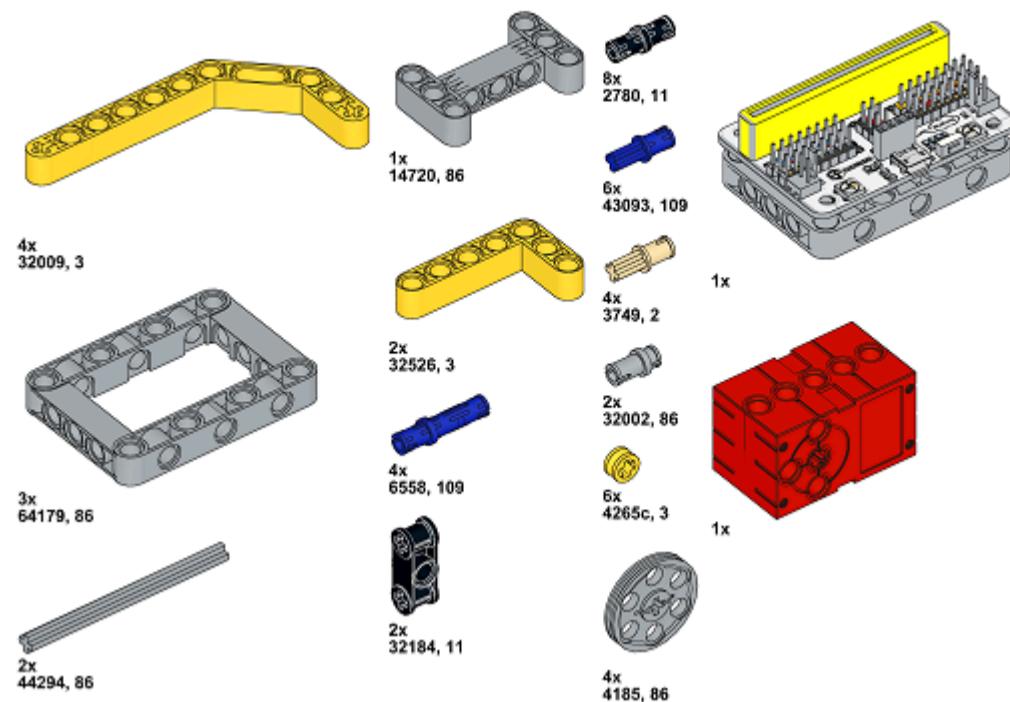
To make a boating car.



12.2. Link

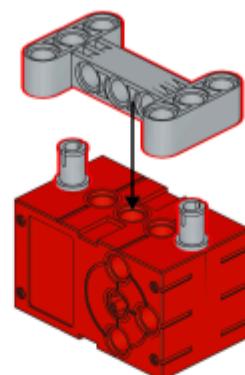
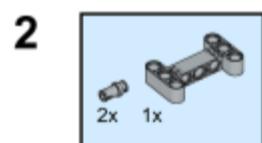
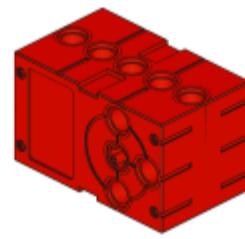
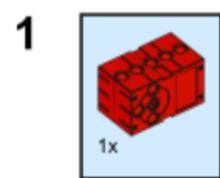
[micro:bit Wonder Building Kit](#)

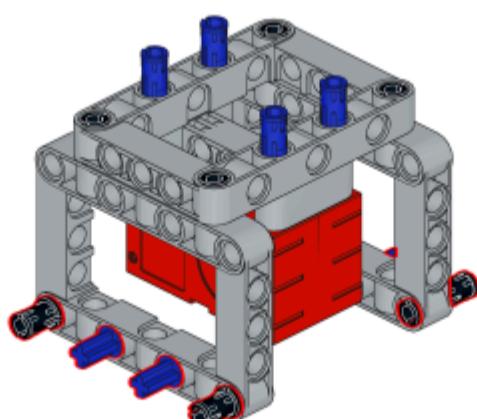
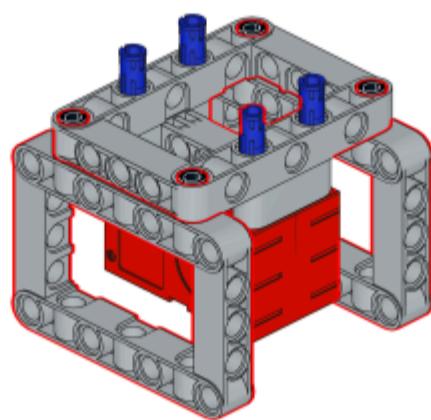
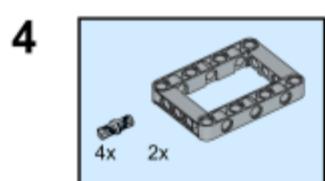
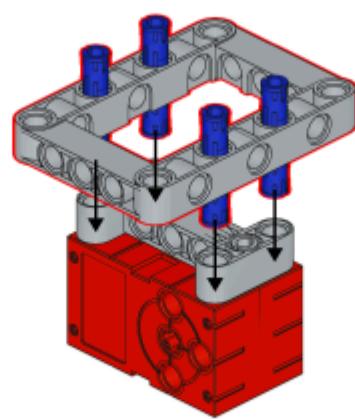
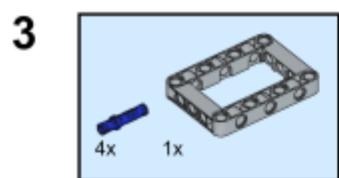
12.3. Materials Required

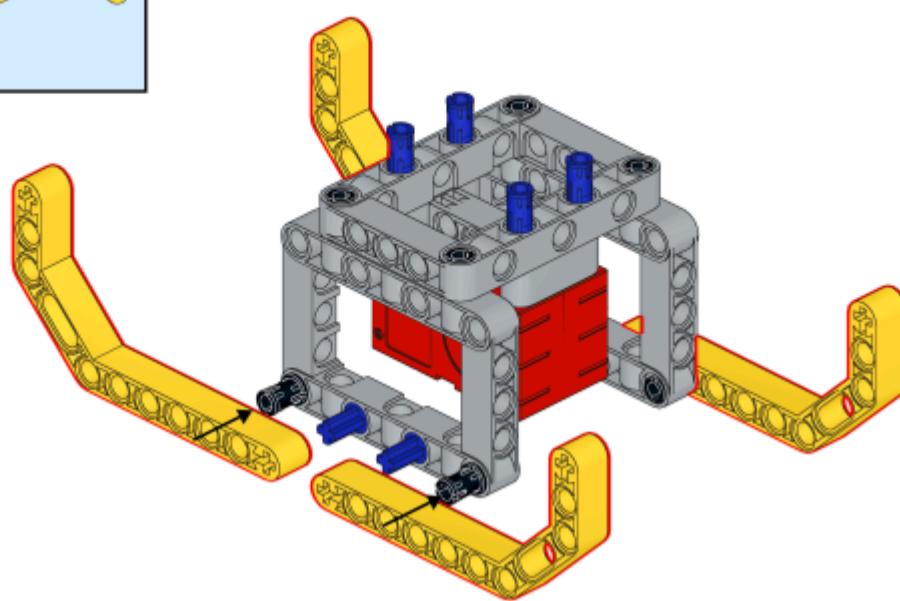
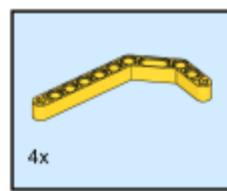
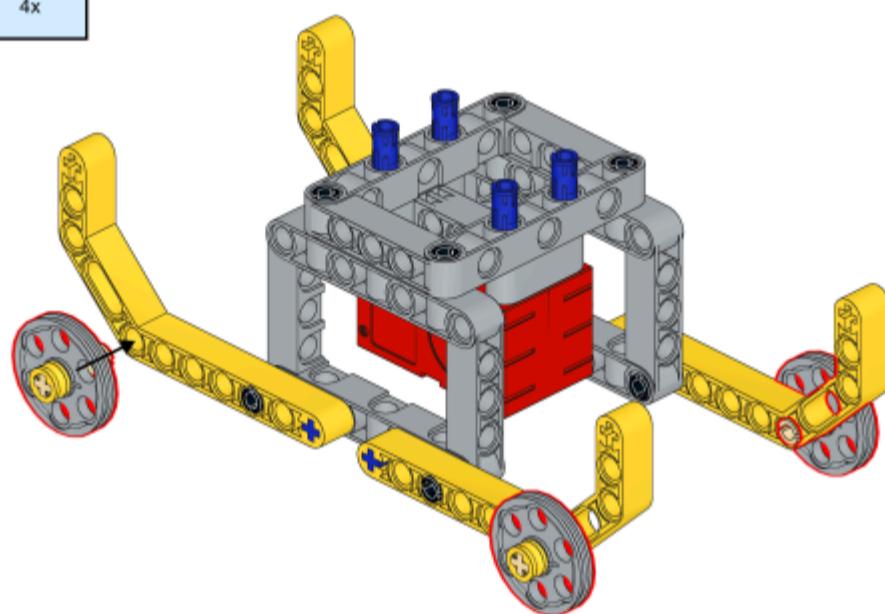
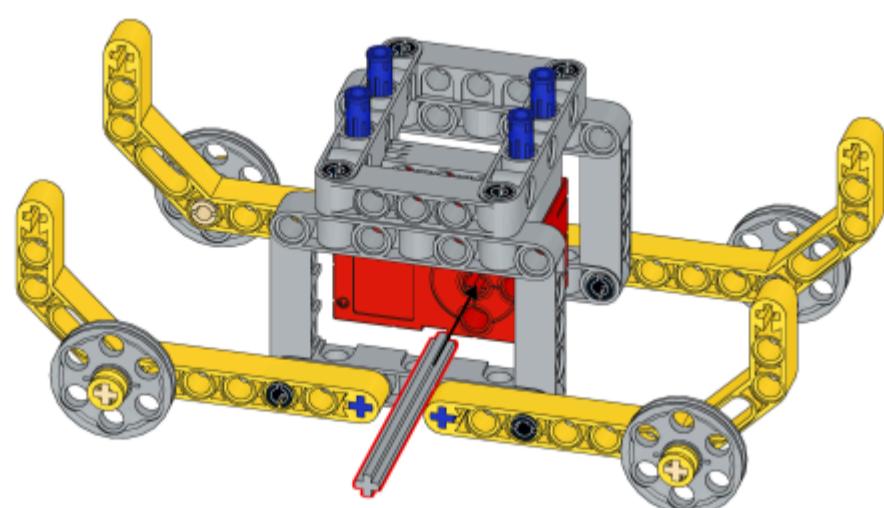
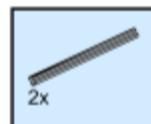


Video link: <https://youtu.be/mT2DdwNPeks>

12.4. Bricks build-up



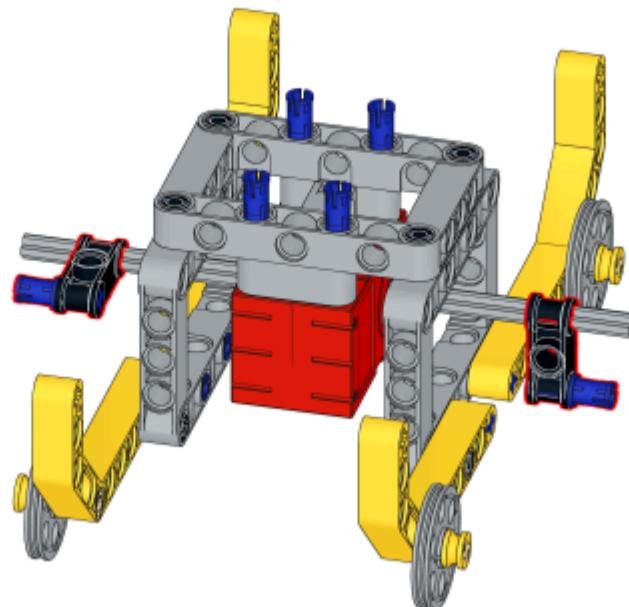


6**7****8**

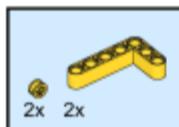
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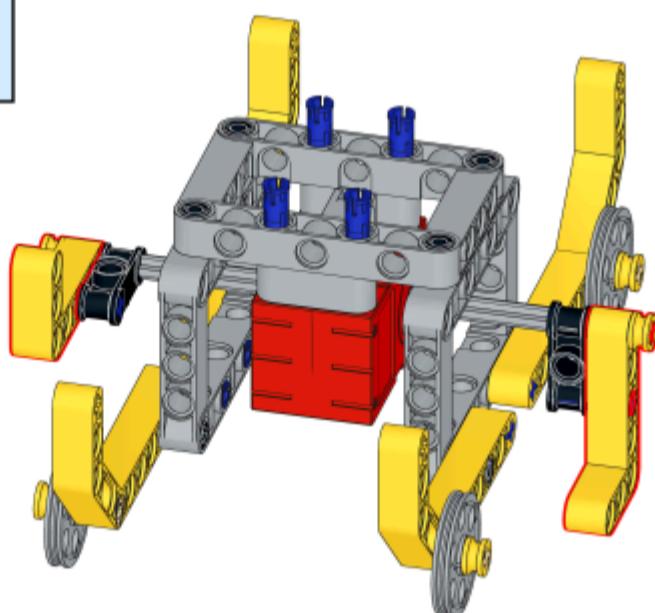
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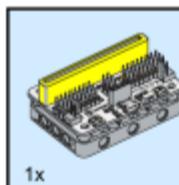
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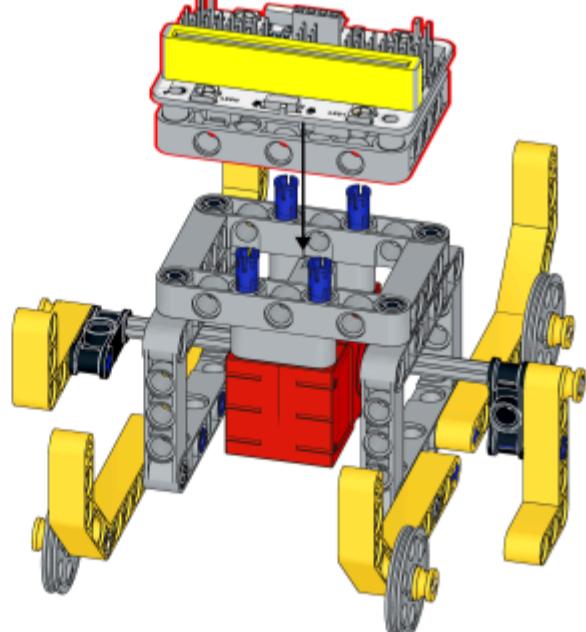
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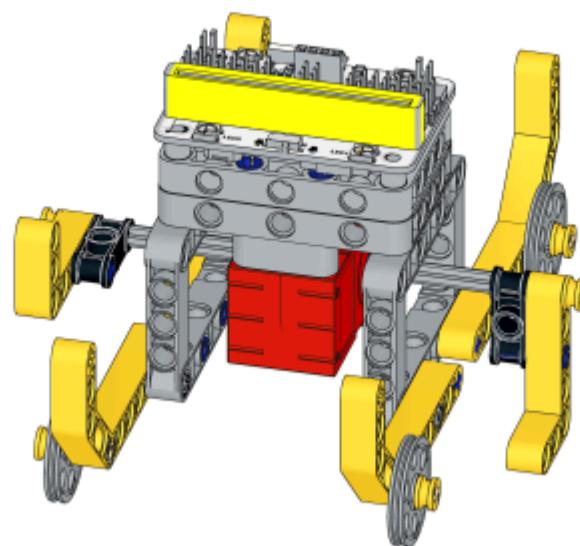


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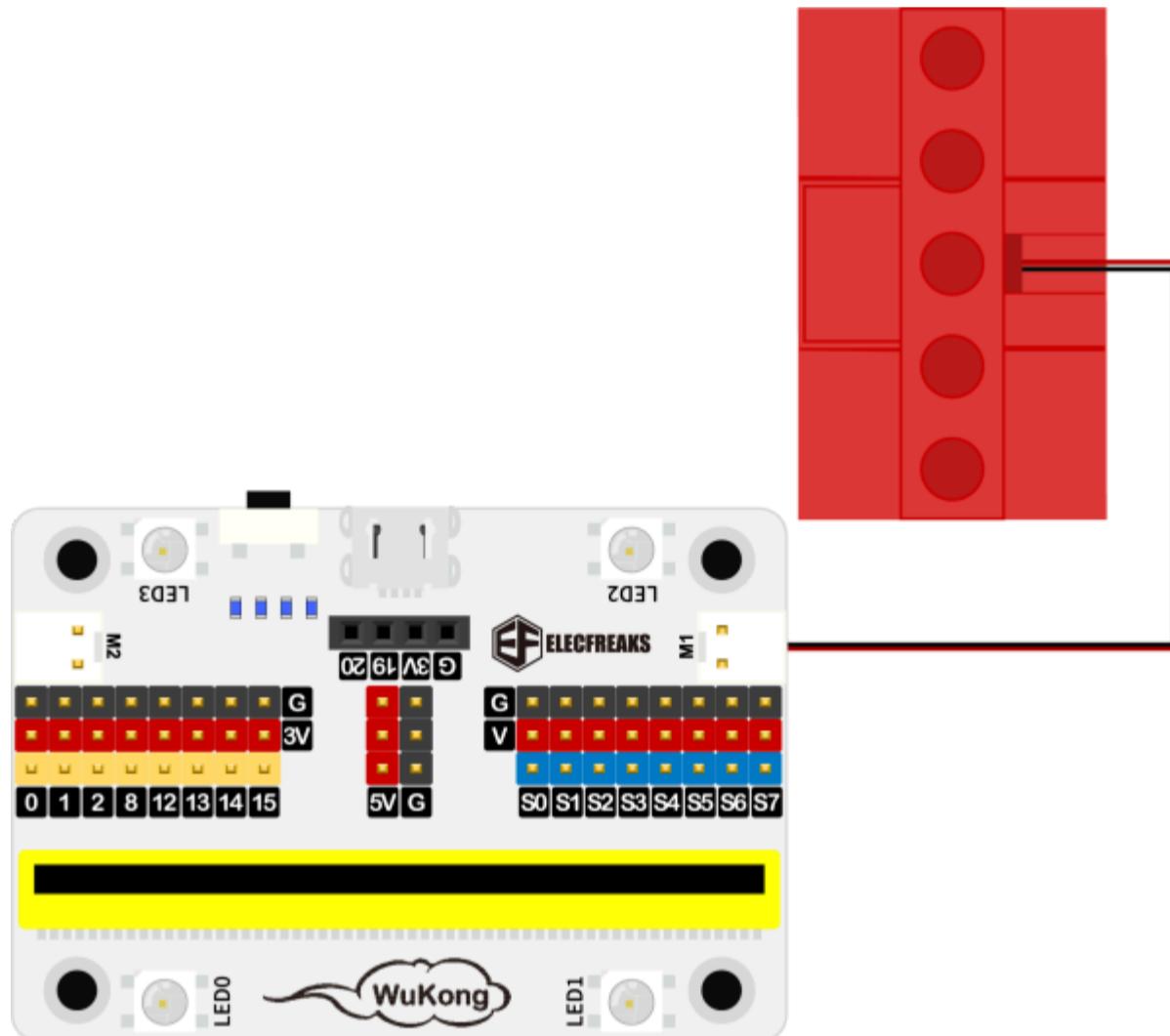
1x



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12.5. Hardware Connection

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



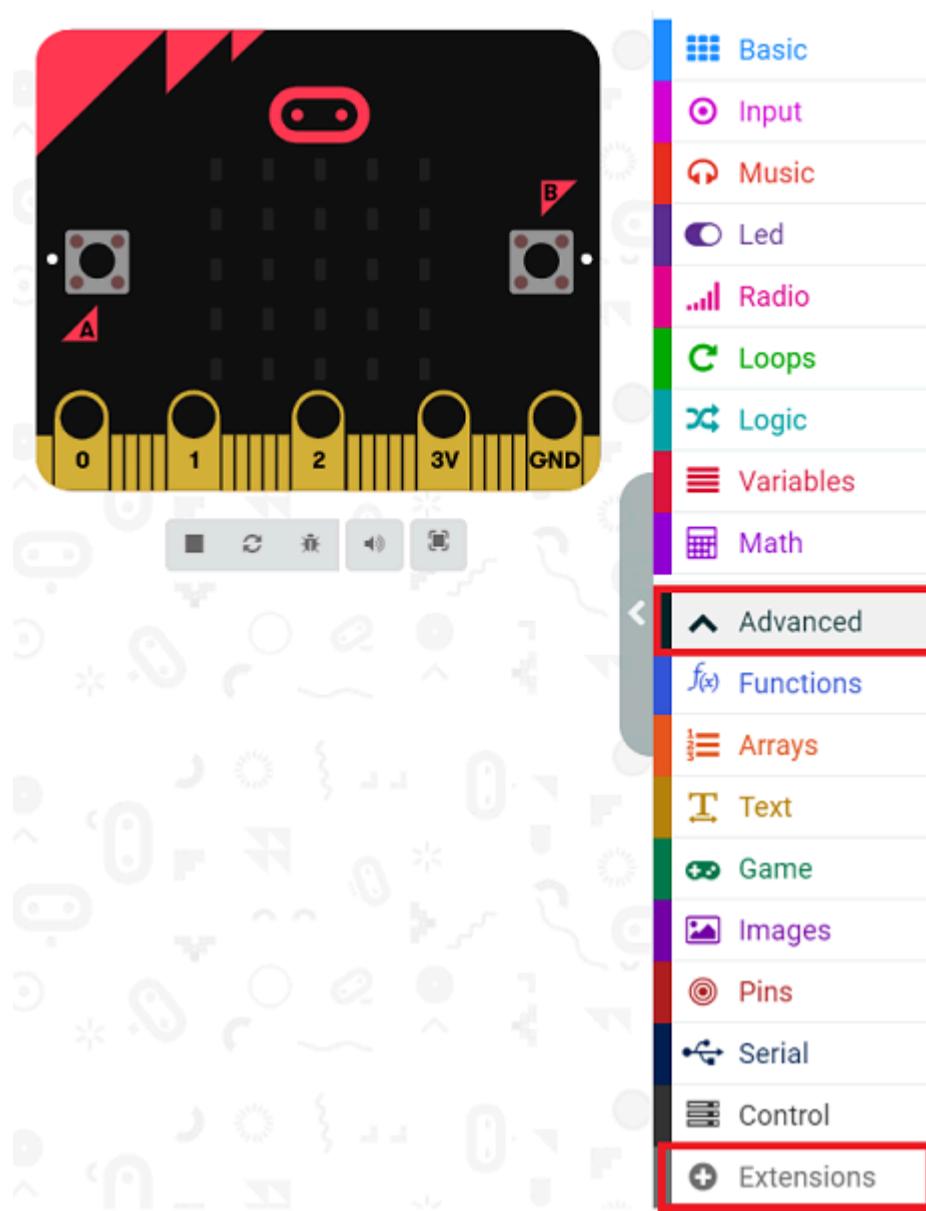
12.6. Software Platform

[MakeCode](#)

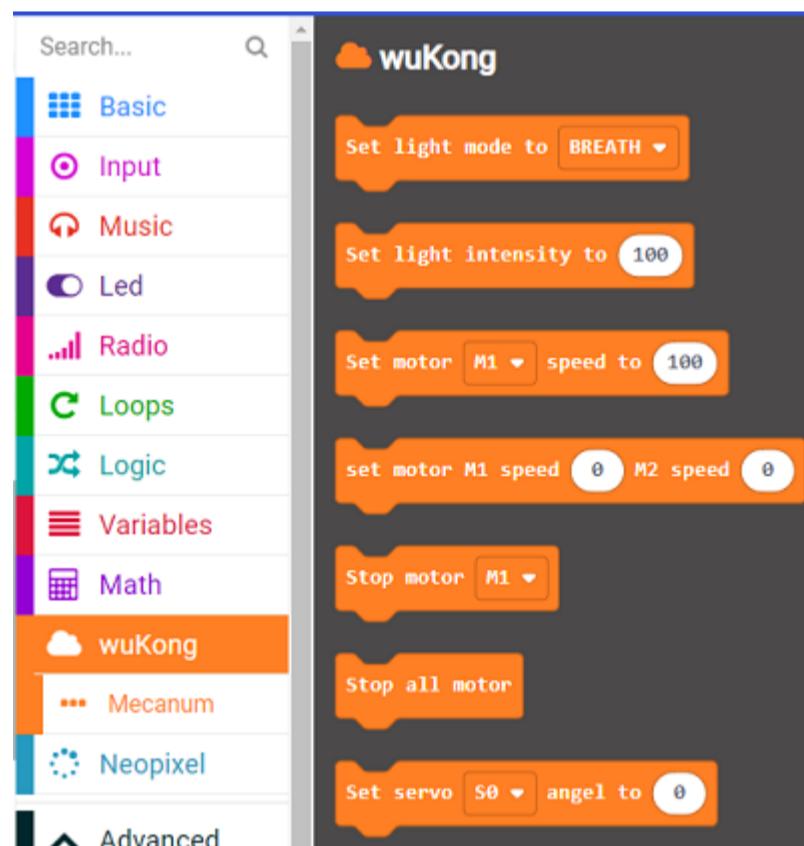
12.7. Coding

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
  Set motor M1 ▾ speed to -100
end

on button B ▾ pressed
  Set motor M1 ▾ speed to 100
end

on button A+B ▾ pressed
  Stop motor M1
end

```

Link:https://makecode.microbit.org/_4wuFkYirTVqd

Result

When button A is pressed the rower moves forward, when button B is pressed the rower moves backward, when button A+B is pressed the rower stops moving.

By ELECFREAKS Team

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