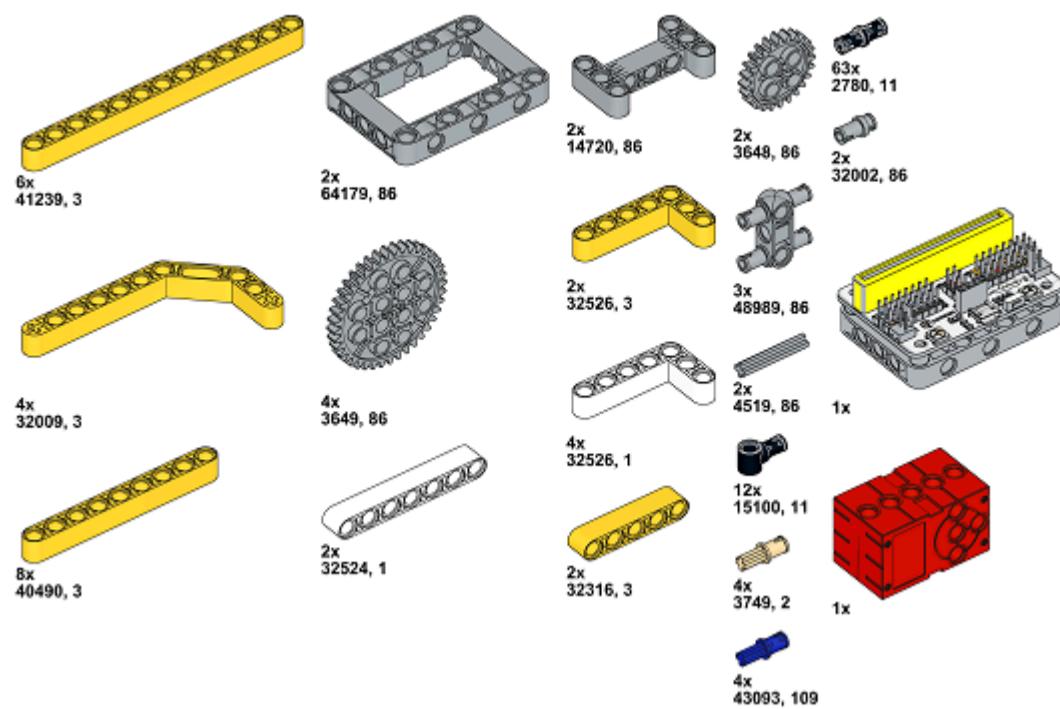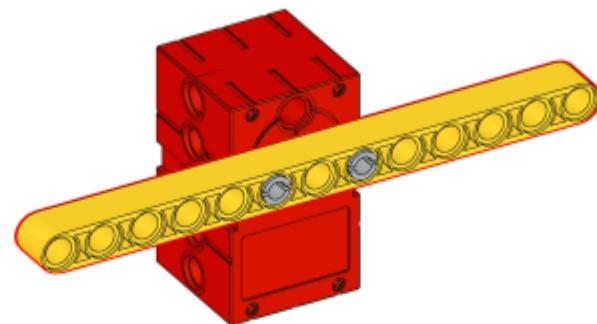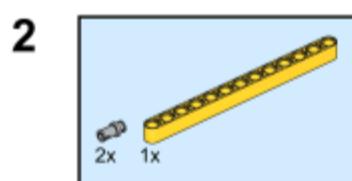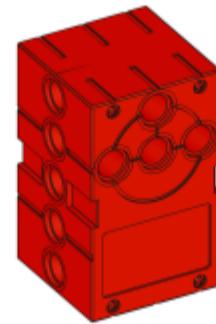# Case 15: The Walking Robot

Contents

17.1. Purpose
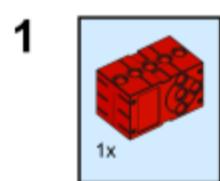
To make a walking robot.

17.2. Link:

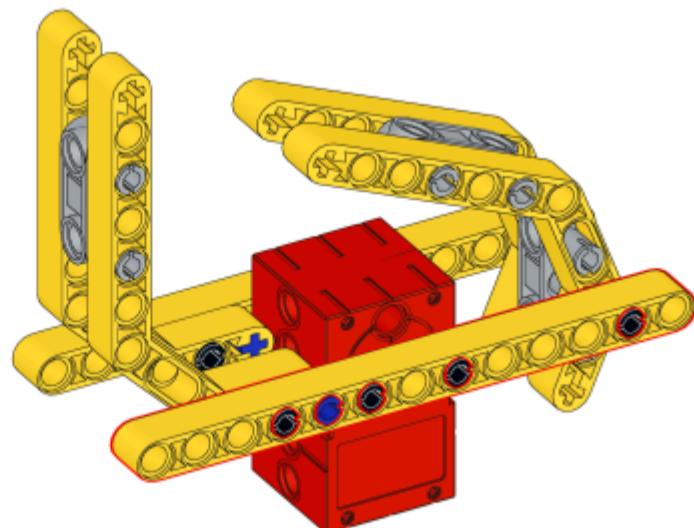micro:bit Wonder Building Kit

17.3. Materials Required

6x
41239, 3

2x
14720, 86

2x
3648, 86

63x
2780, 11

2x
64179, 86

2x
32002, 86

4x
32009, 3

4x
3649, 86

2x
32526, 3

3x
48989, 86

8x
40490, 3

2x
32524, 1

4x
32526, 1

2x
4519, 86

1x

2x
32316, 3

12x
15100, 11

4x
3749, 2

1x

4x
43093, 109

Video link: https://youtu.be/ohn8NMhKybw
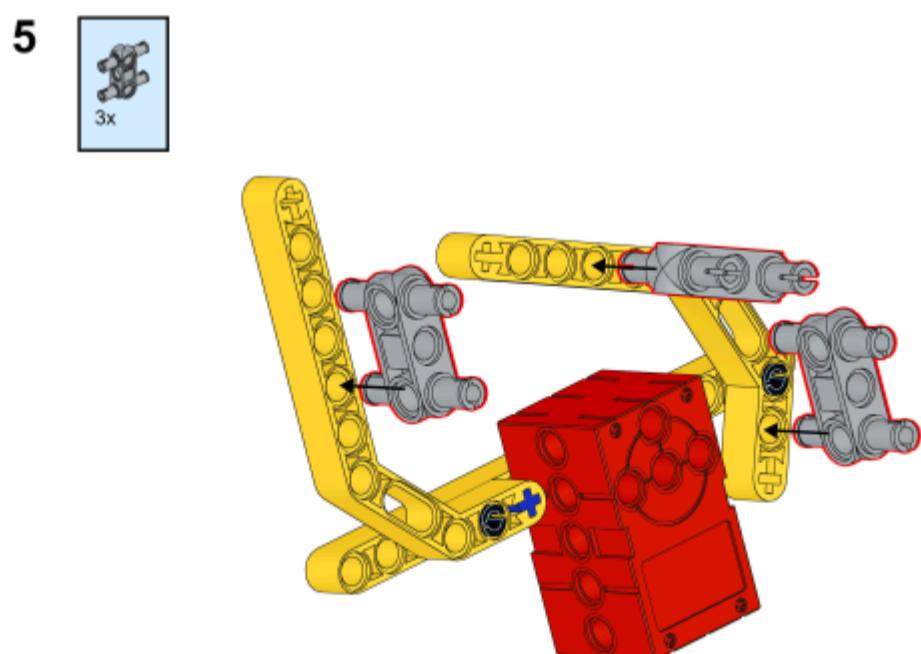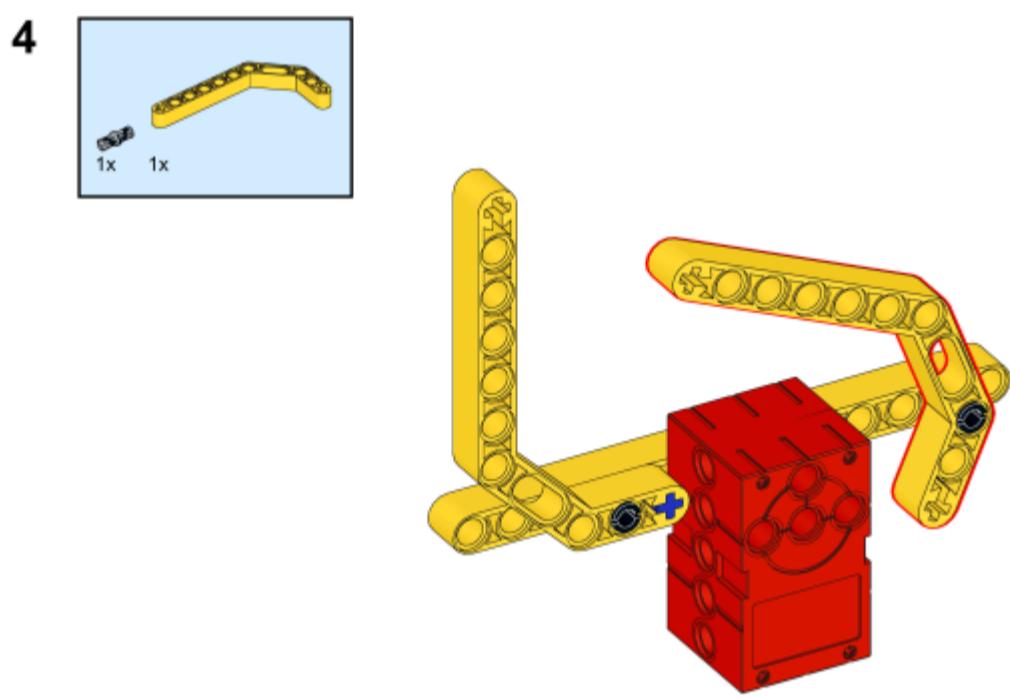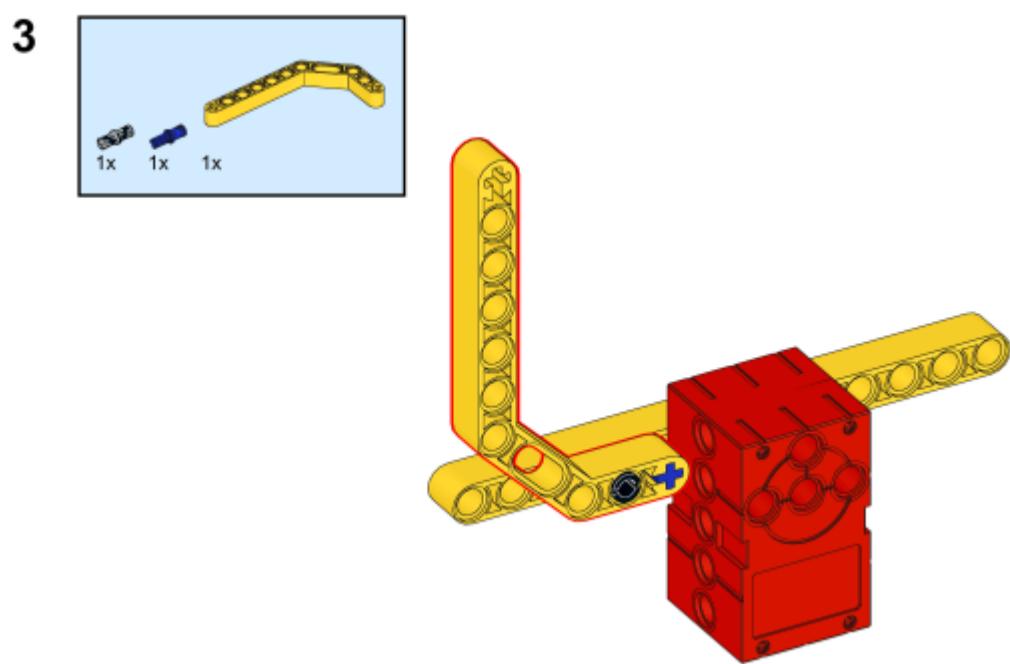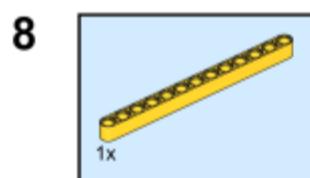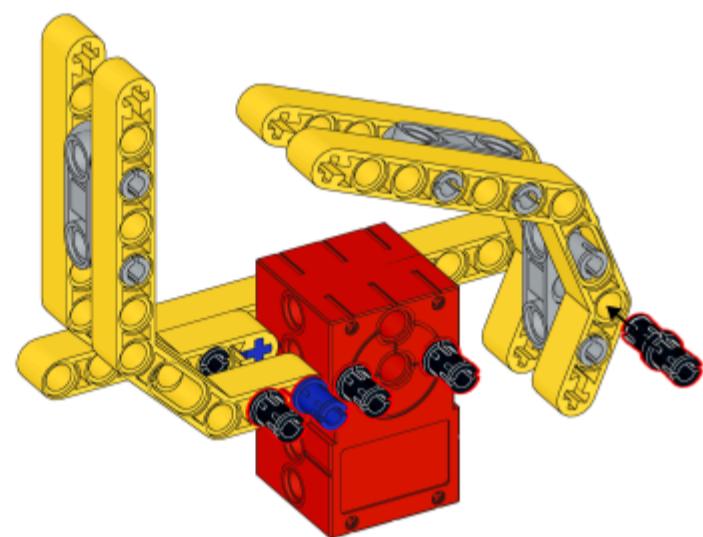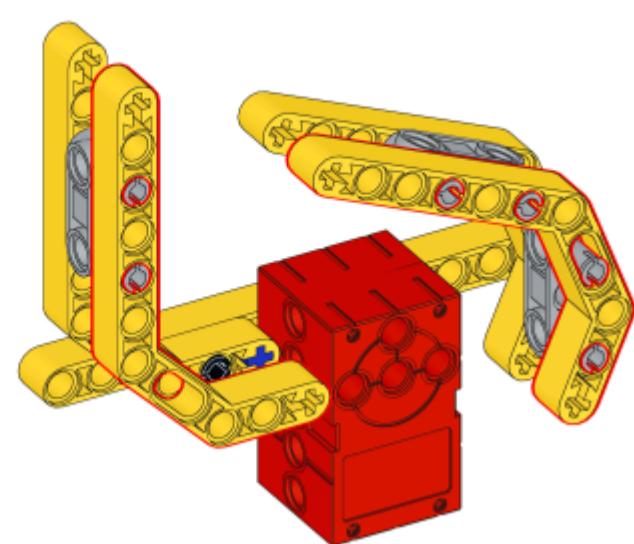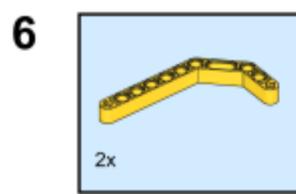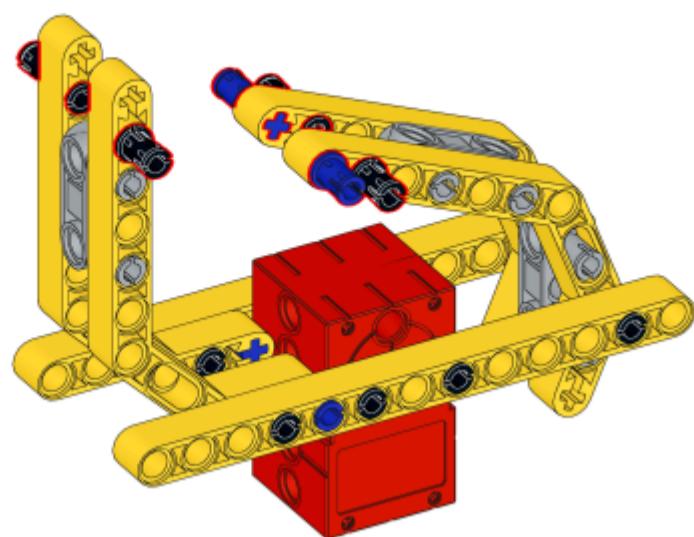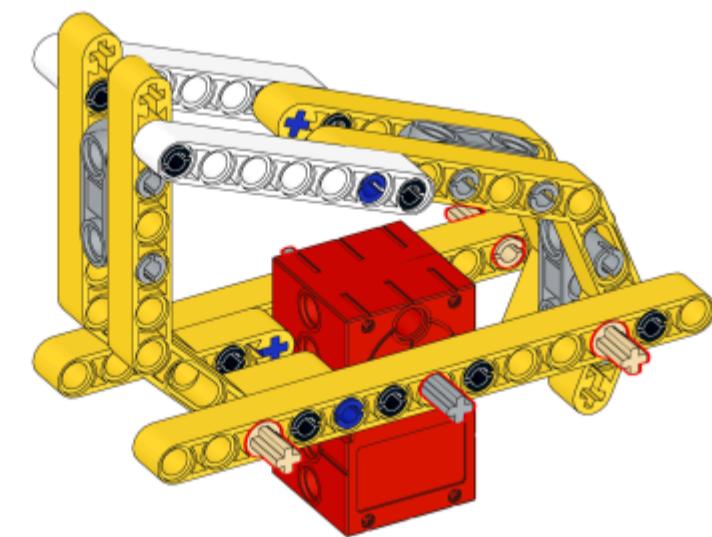
17.4. Bricks build-up

1

1x

2

2x   1x

3

4

5

6

2x

7

4x　1x

8

1x
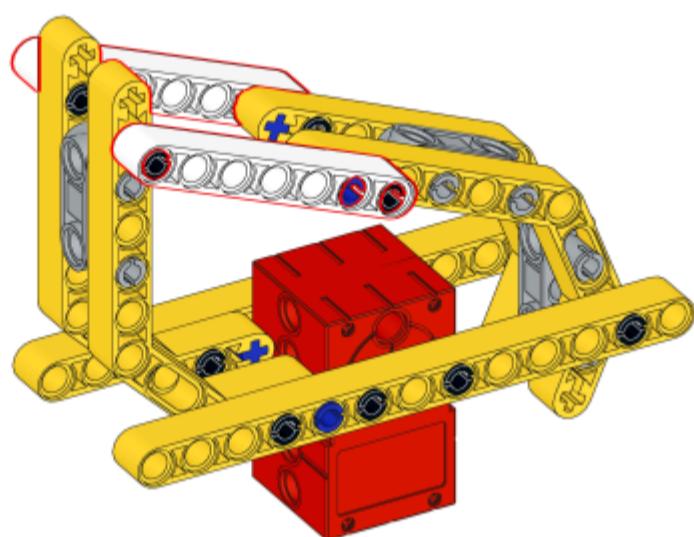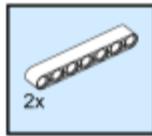
9
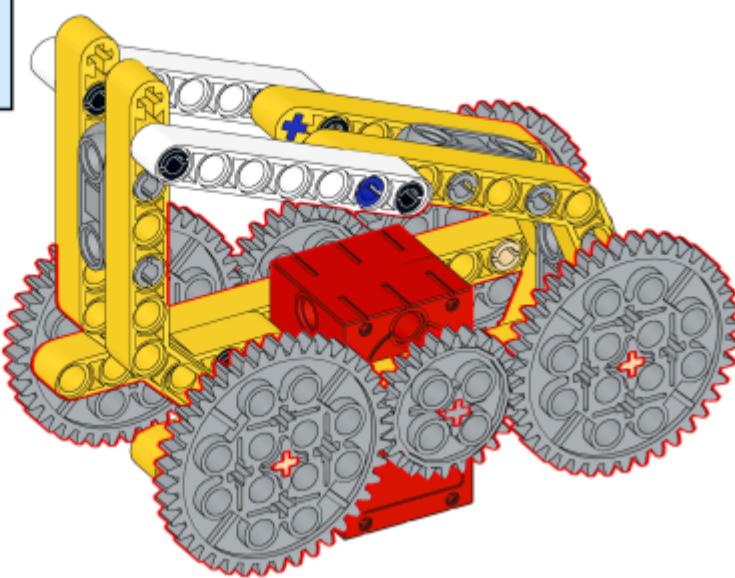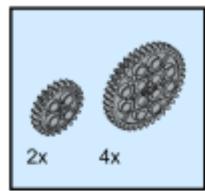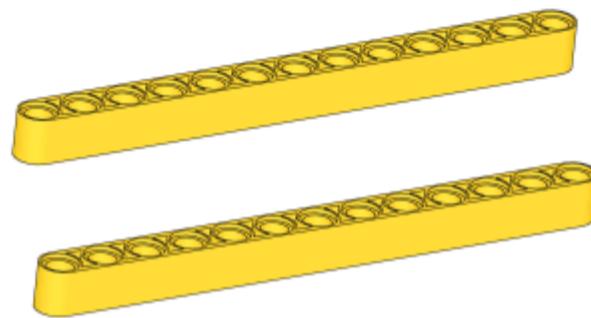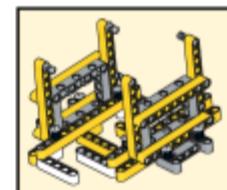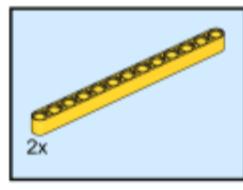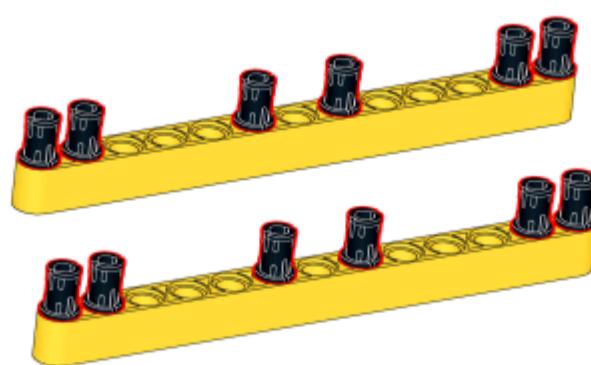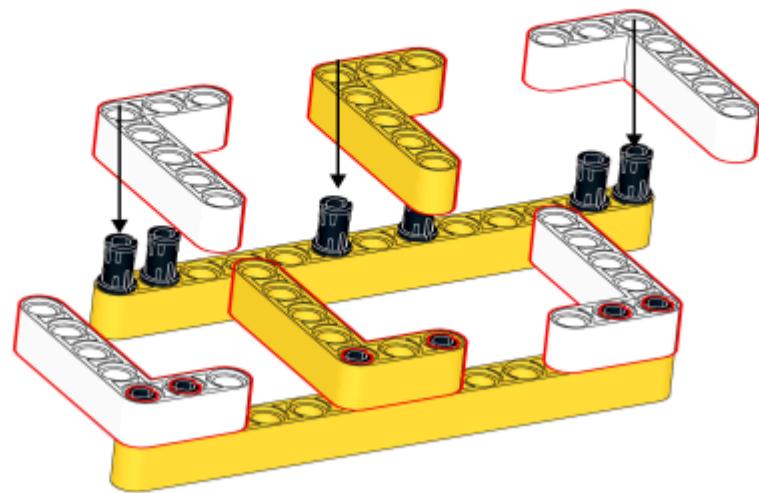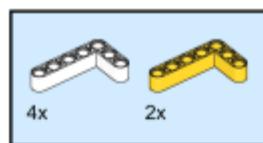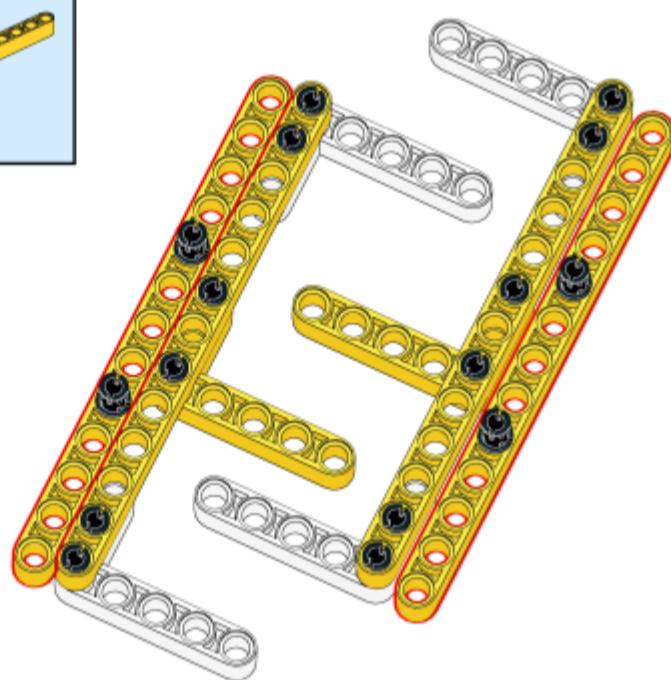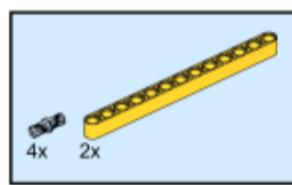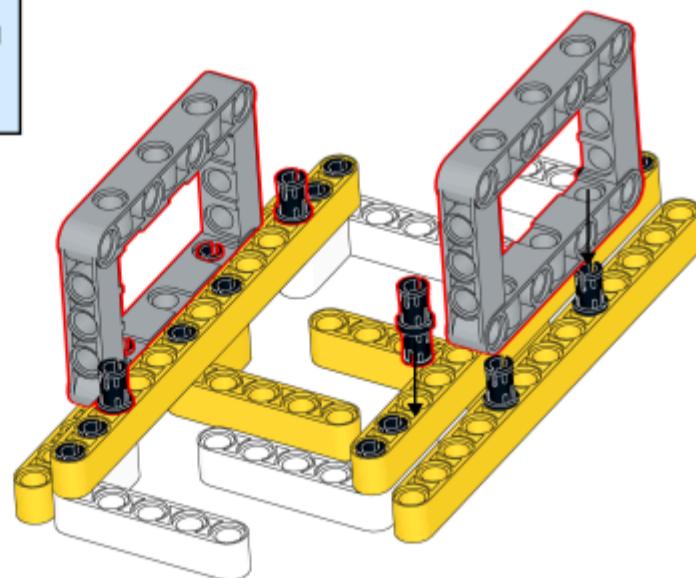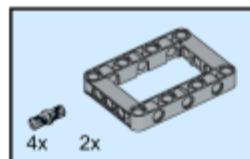
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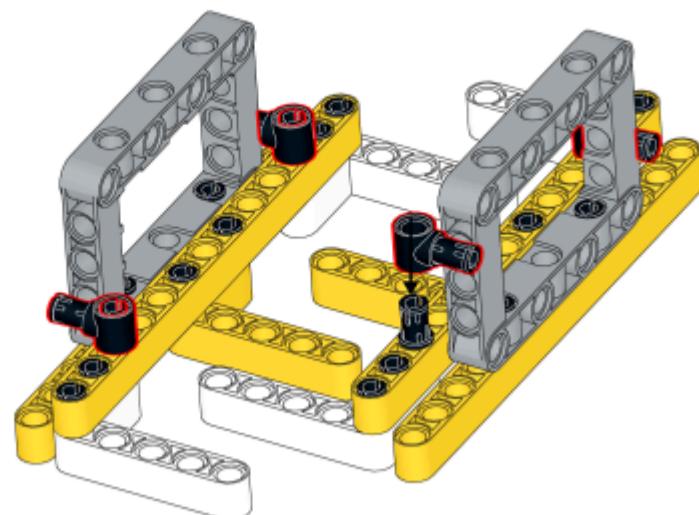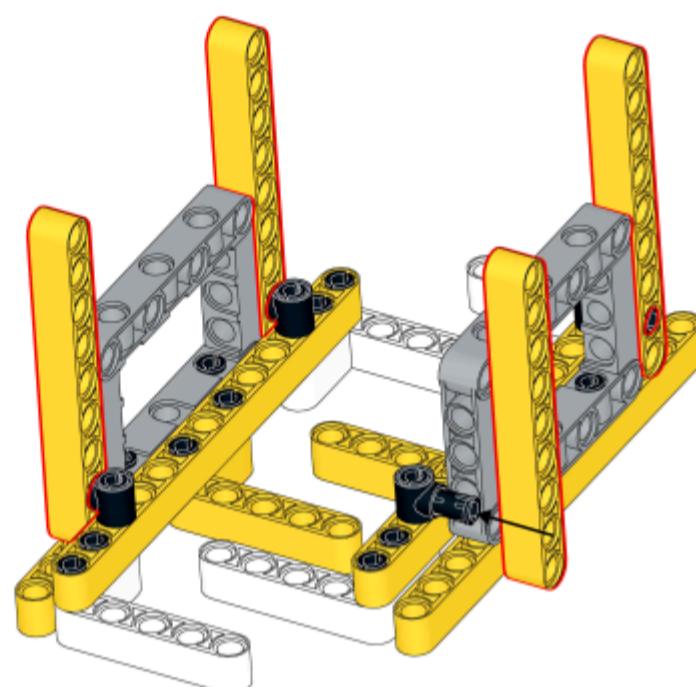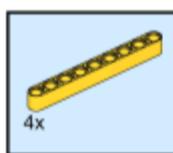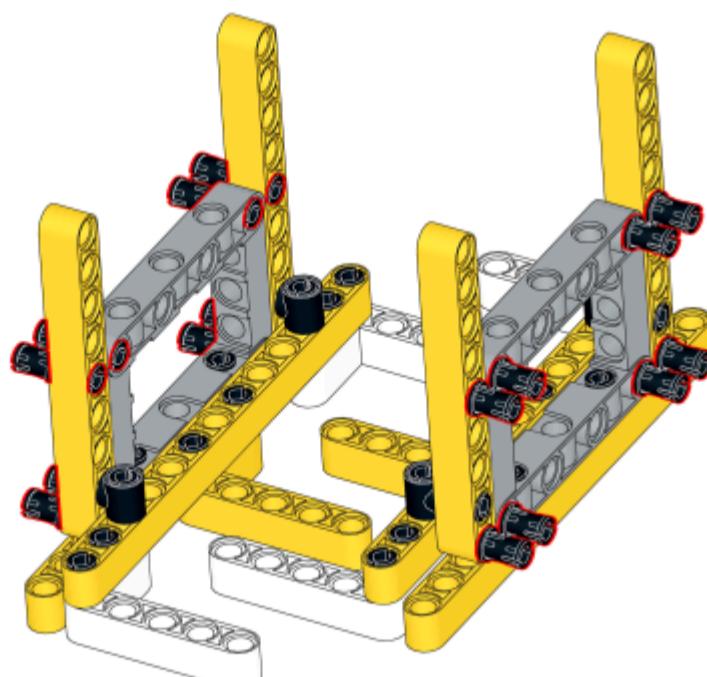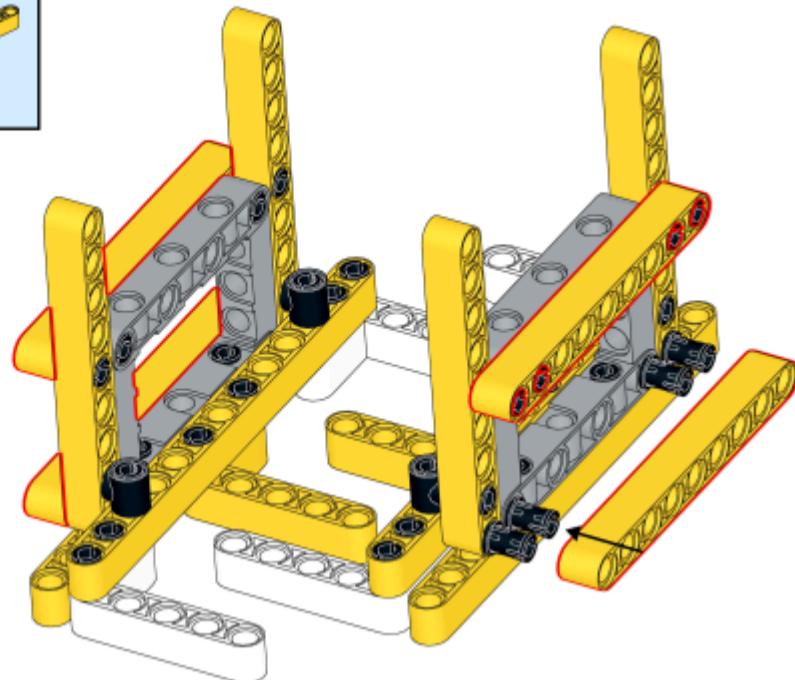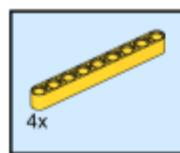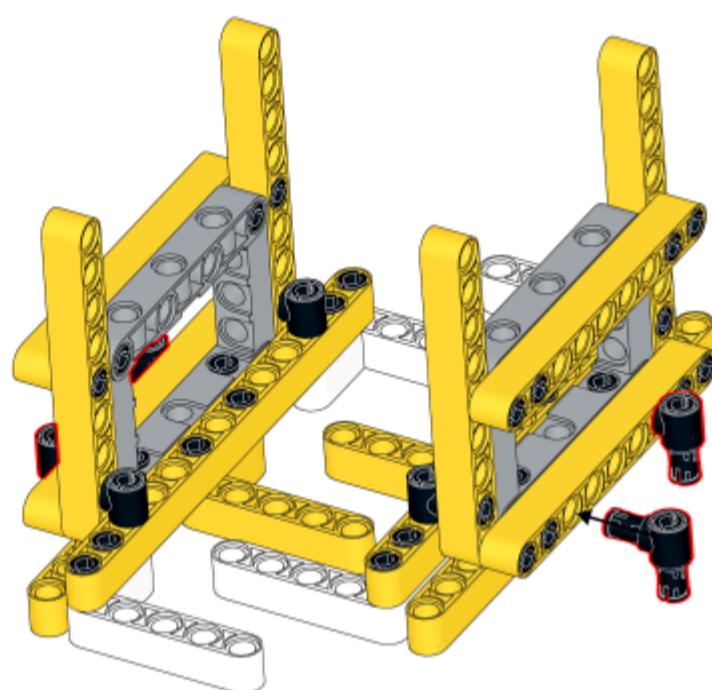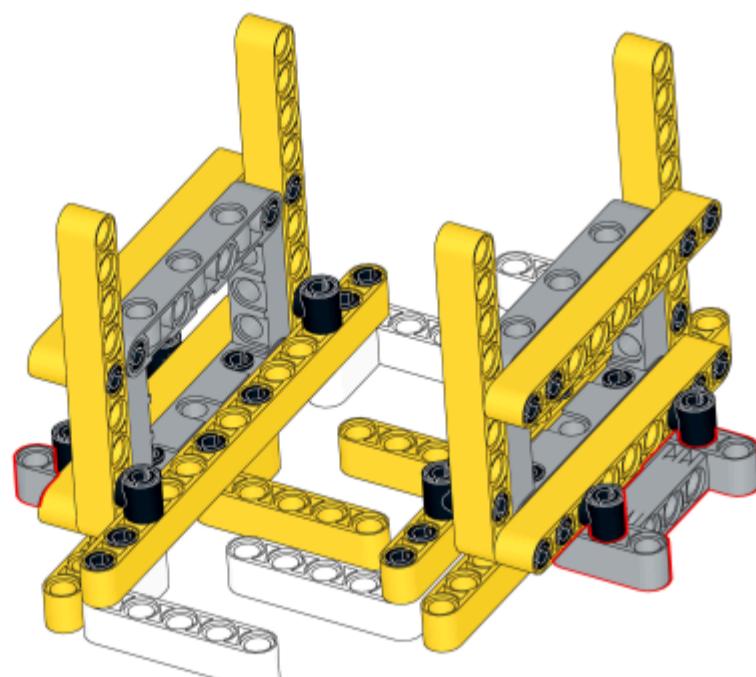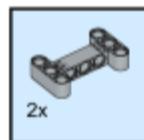
11
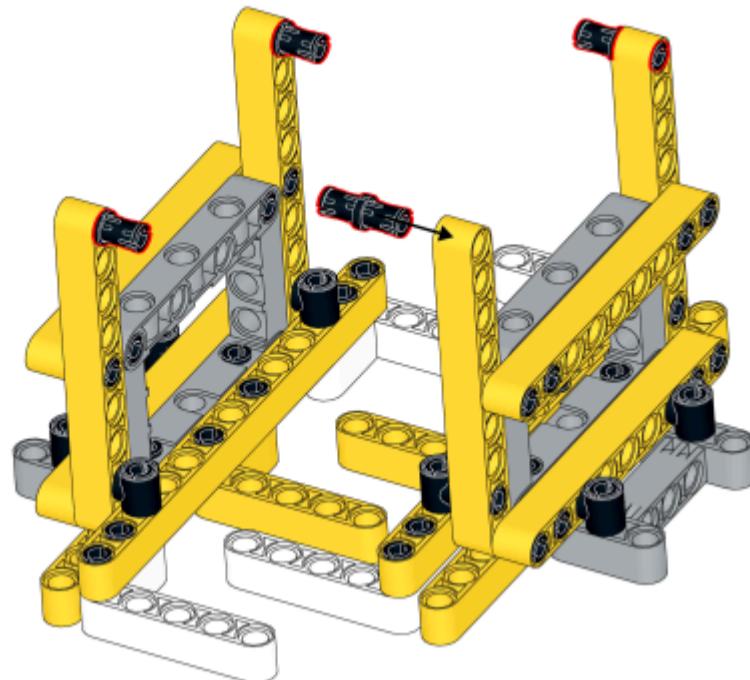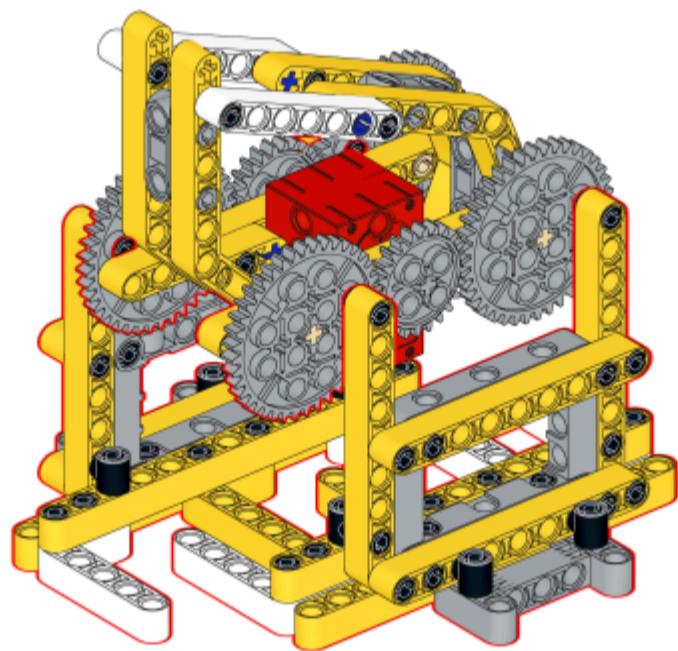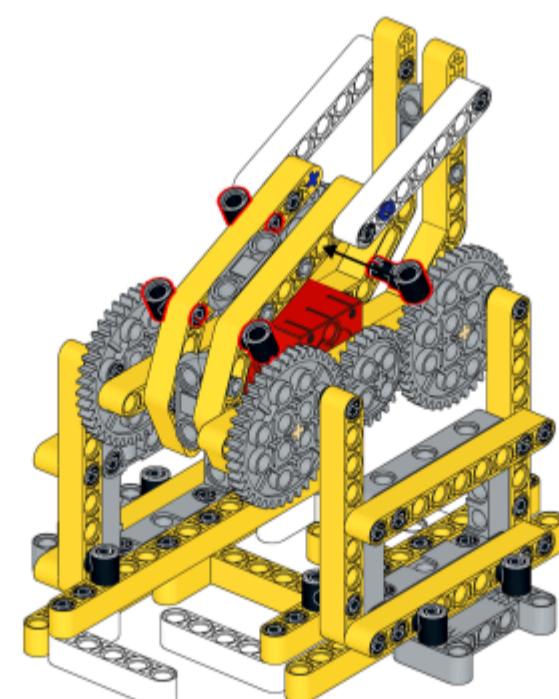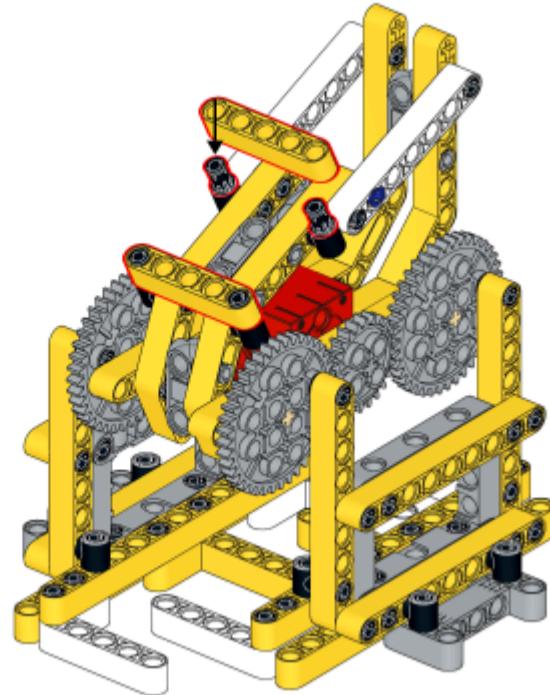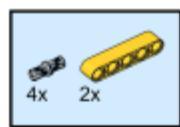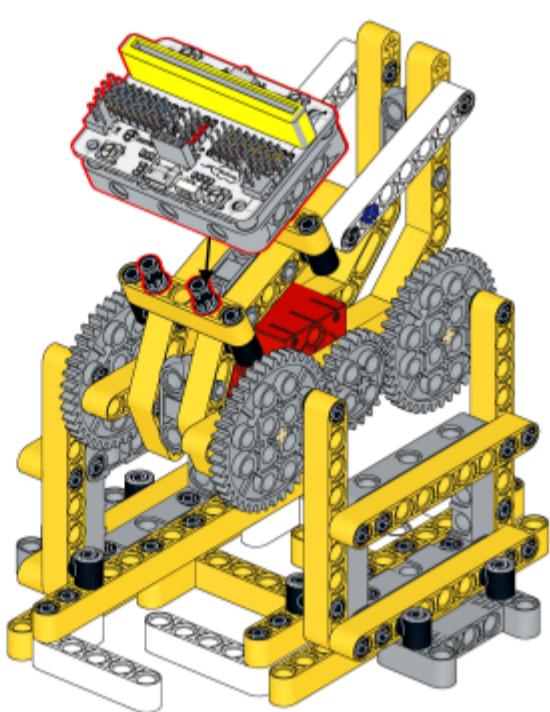
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17.5. Hardware Connection

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

17.6. Software Platform

MakeCode

17.7. Coding

Add extensions

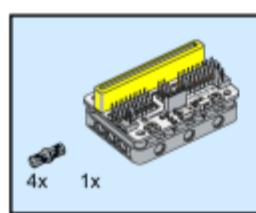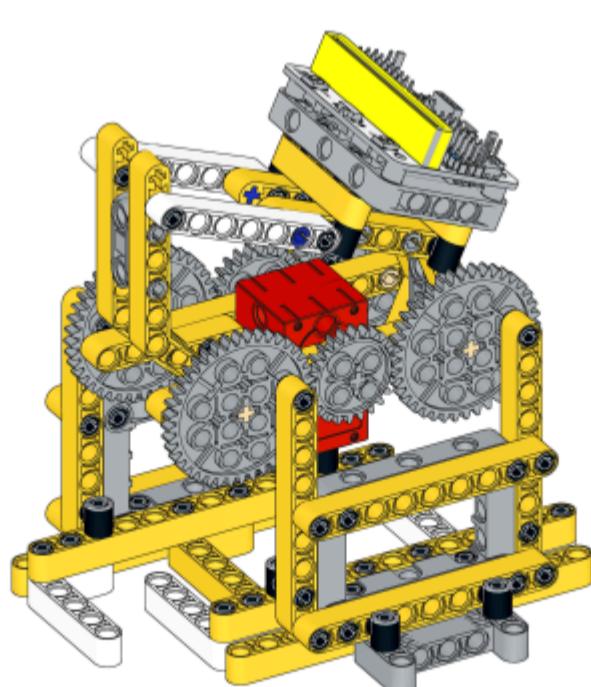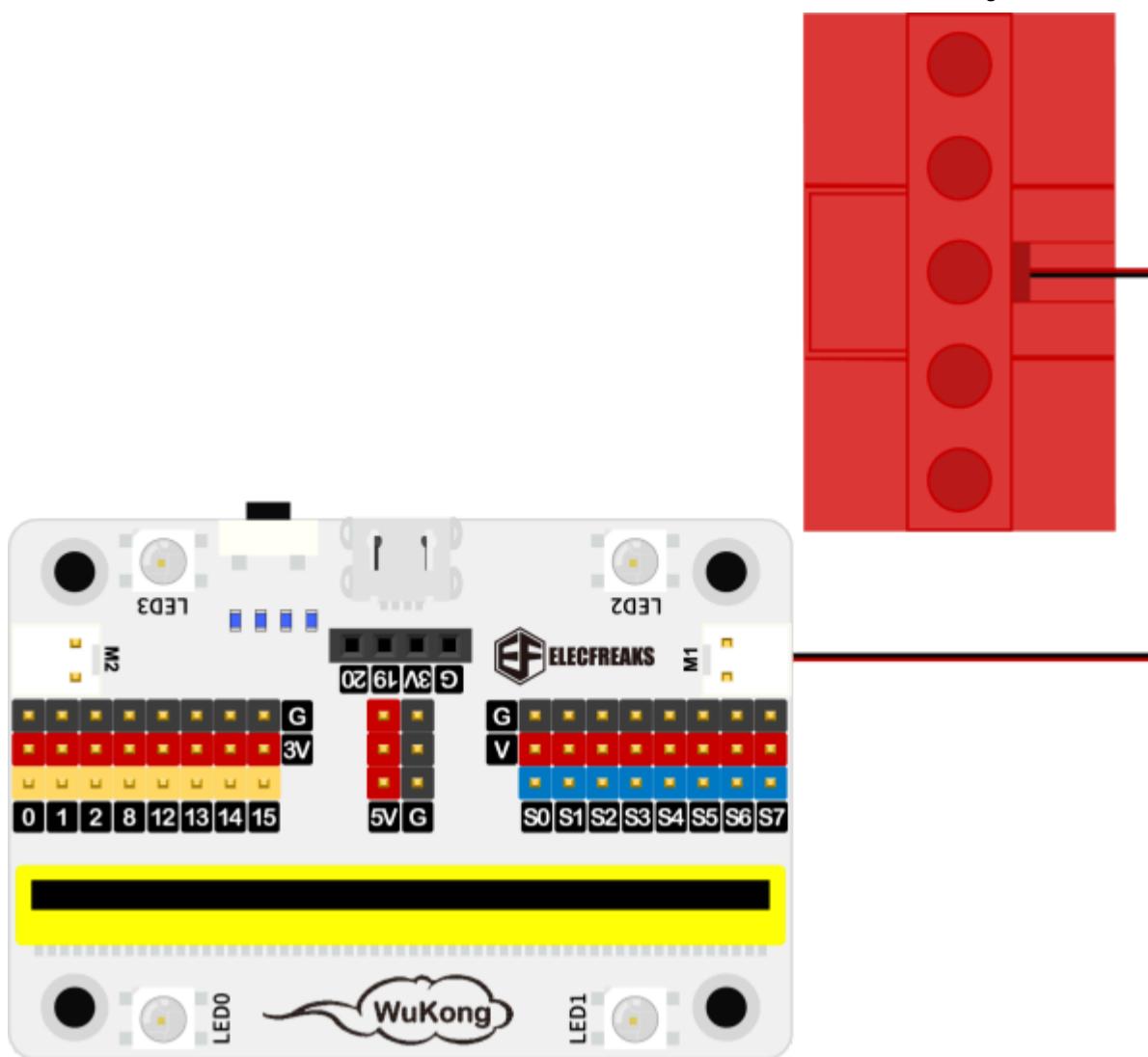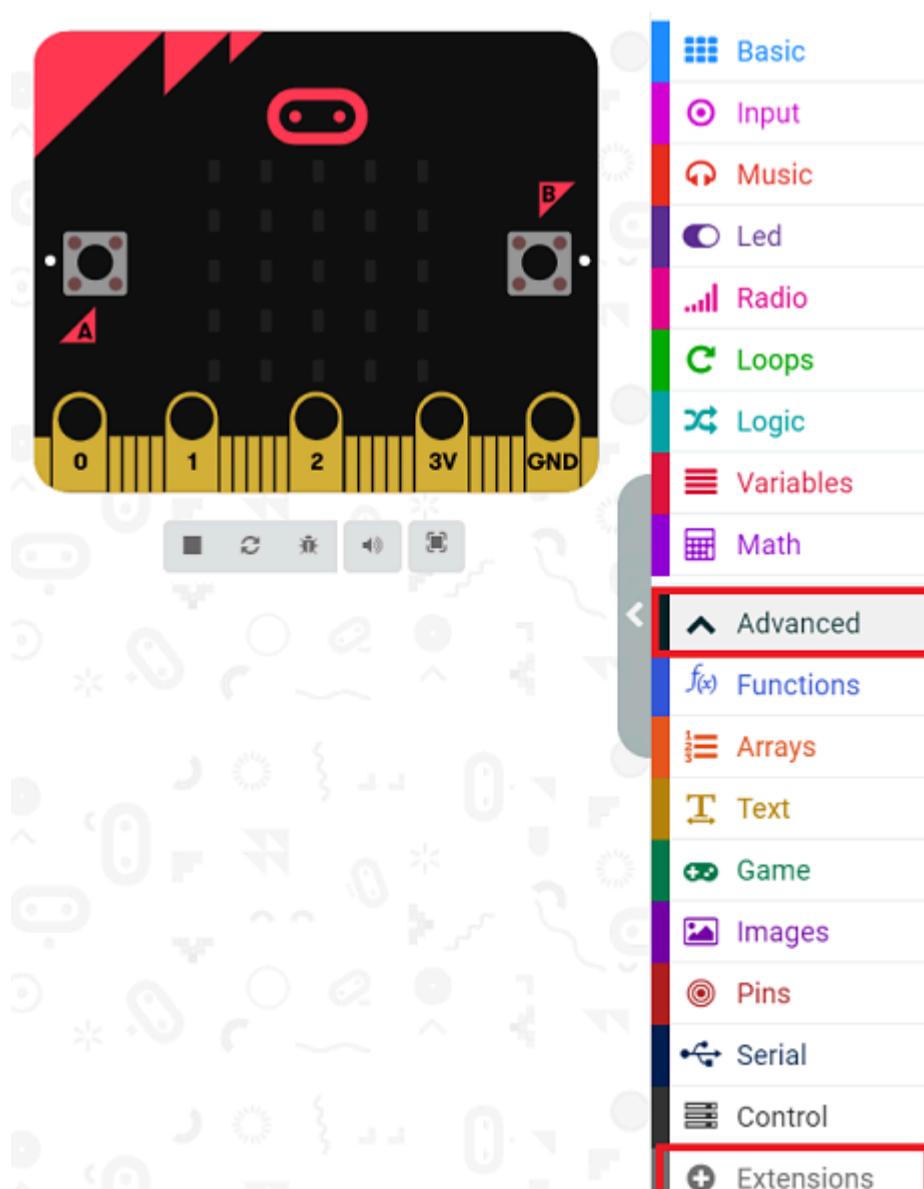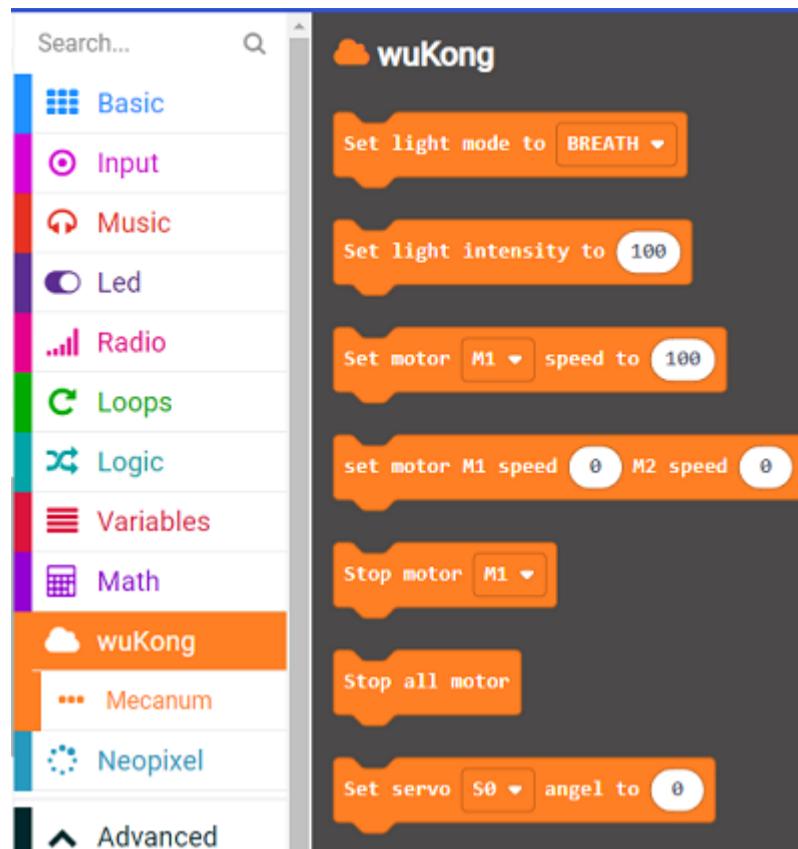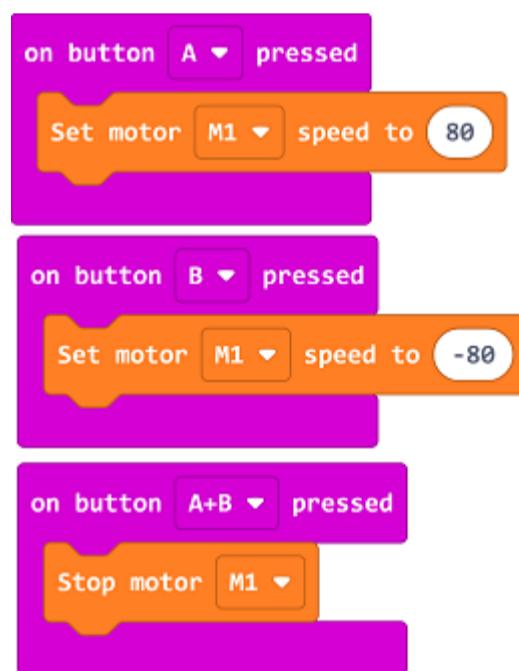Click "Advanced" in the MakeCode to see more choices.

Search with Wukong in the dialogue box to download it.

Program

Link:

Result

The robot 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.