Case 19: The Crawler

Contents
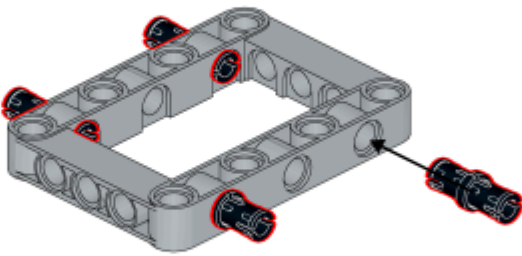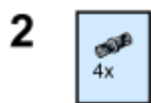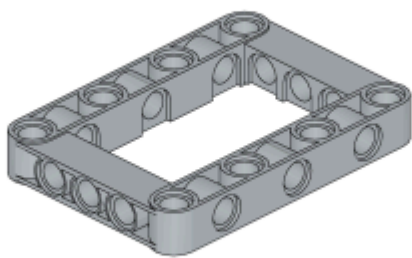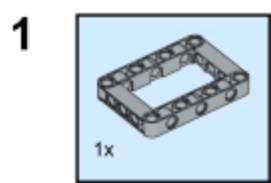
21.1. Purpose

To make a crawler.
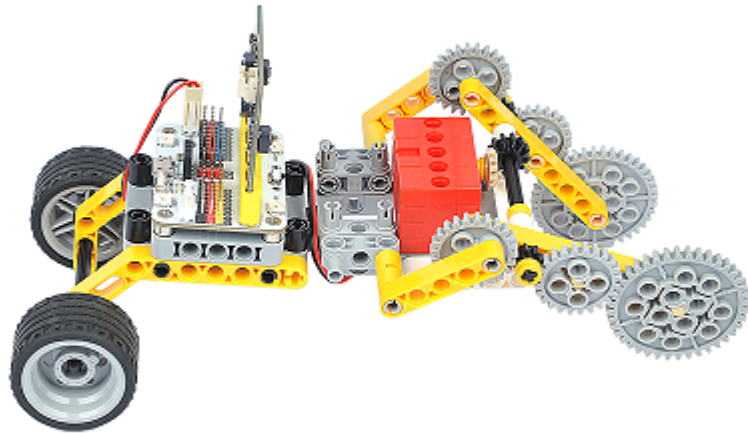
21.2. Link:

micro:bit Wonder Building Kit

21.3. Materials Required

2x 3708, 11	
2x 64179, 86	
2x 32009, 3	1x 6589, 2
	4x 3648, 86
	4x 4265c, 3
	6x 3749, 2
2x 3649, 86	14x 2780, 11
4x 48989, 86	2x 55978, 11
1x 32270, 11	1x 32062, 5
2x 40490, 3	2x 3647, 11
2x 32526, 1	4x 15100, 11
	2x 56145, 86
	2x 32002, 86
	2x 62462, 3
2x 32316, 3	2x 3713, 11
	4x 3673, 86
	1x
	1x
	1x

Video link: https://youtu.be/s7h1DxN7FxI

21.4. Bricks build-up

1

1x

2

4x

3

2x

4

4x

5

4x 1x

6

7

8

9

1x 1x 1x

10

1x 1x 1x

11

2x

12

6x   2x

13

2x   2x

14

2x   2x
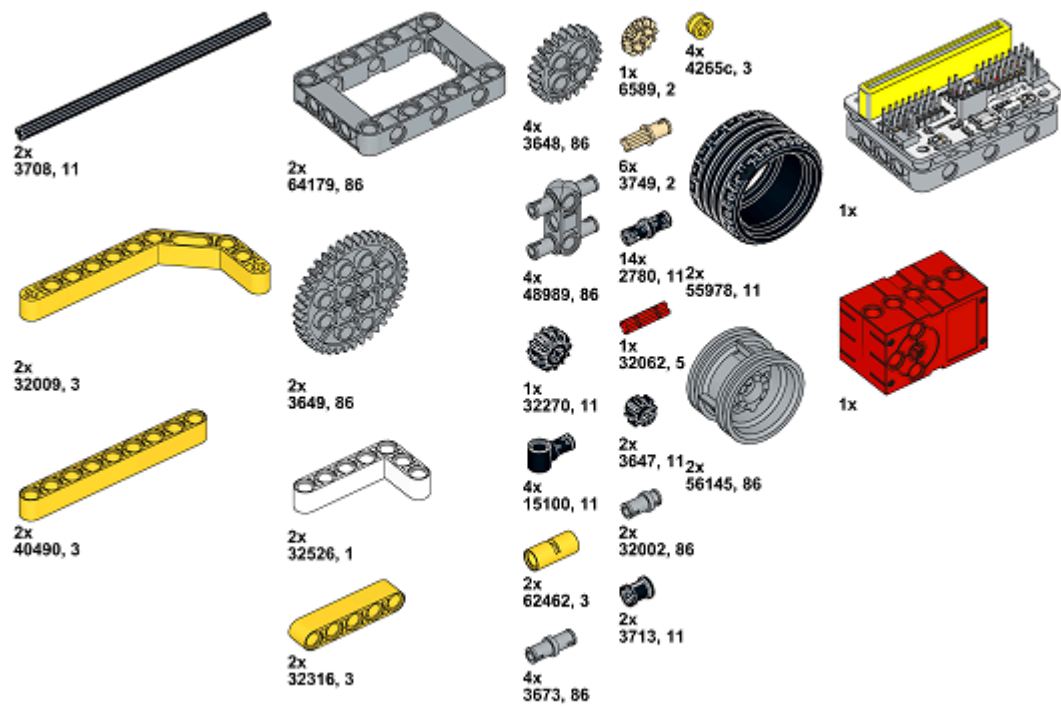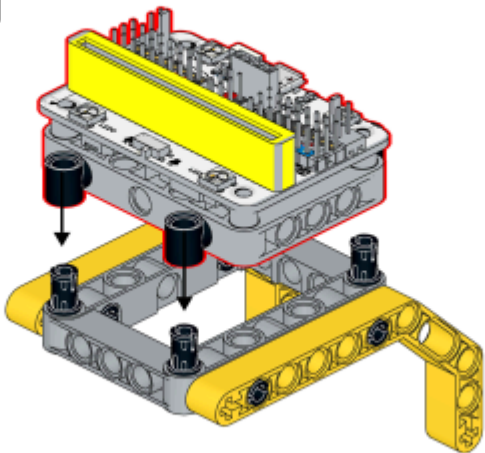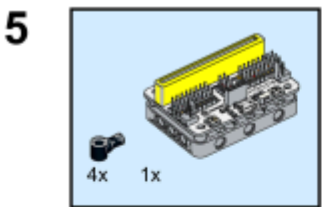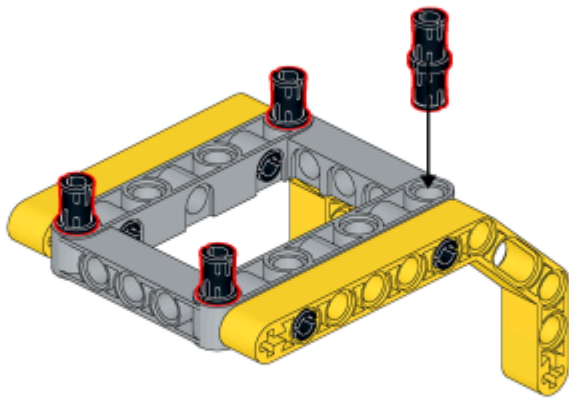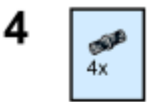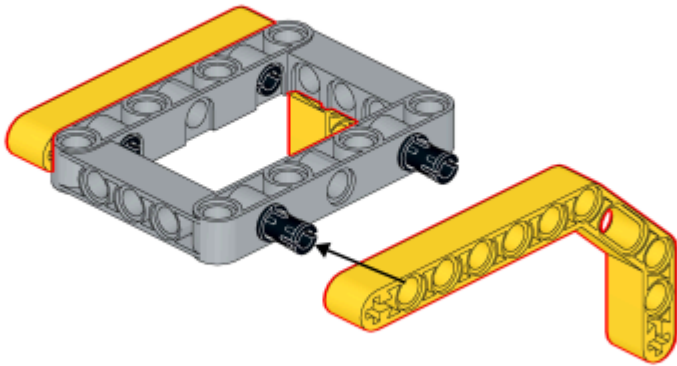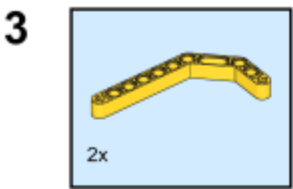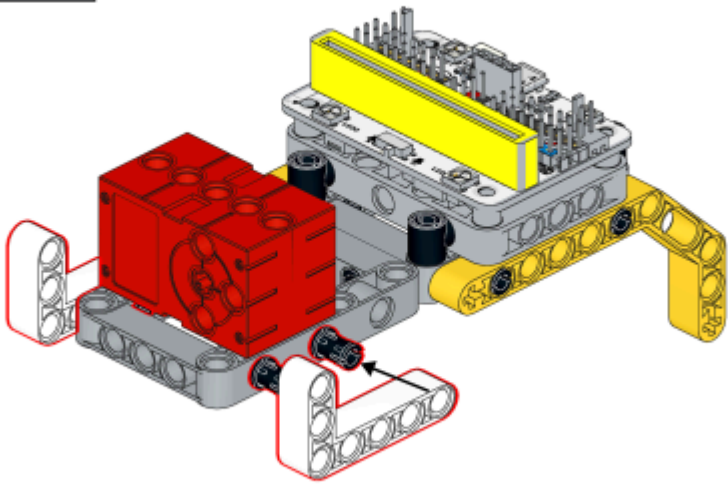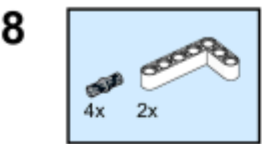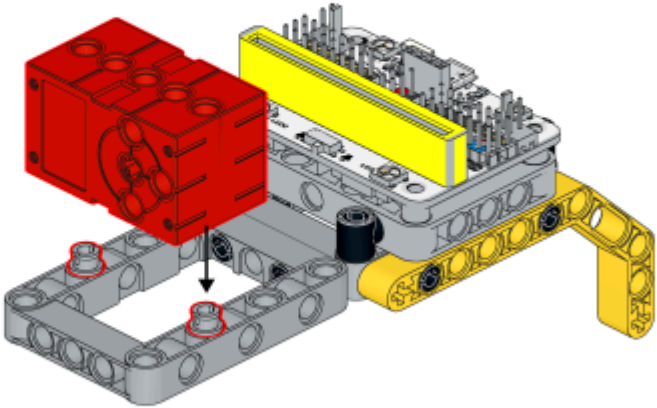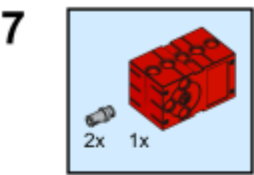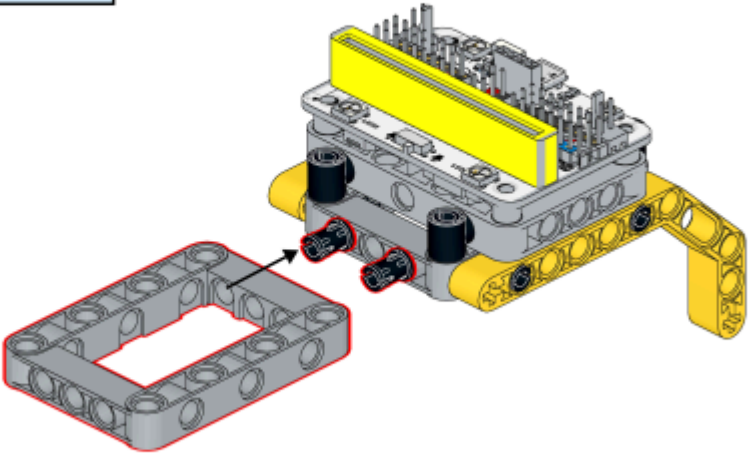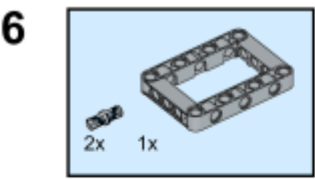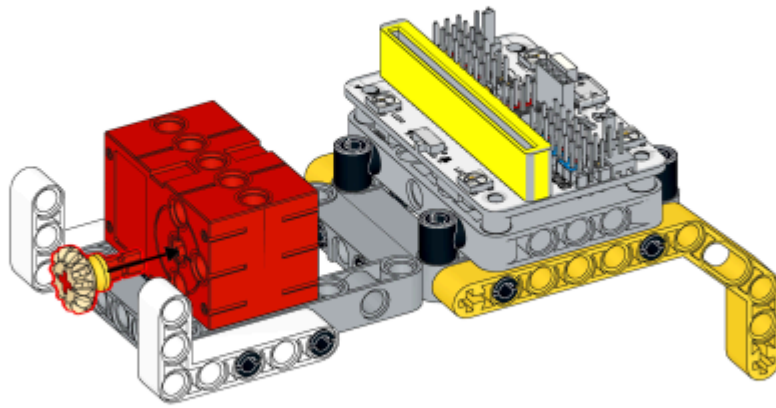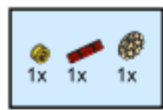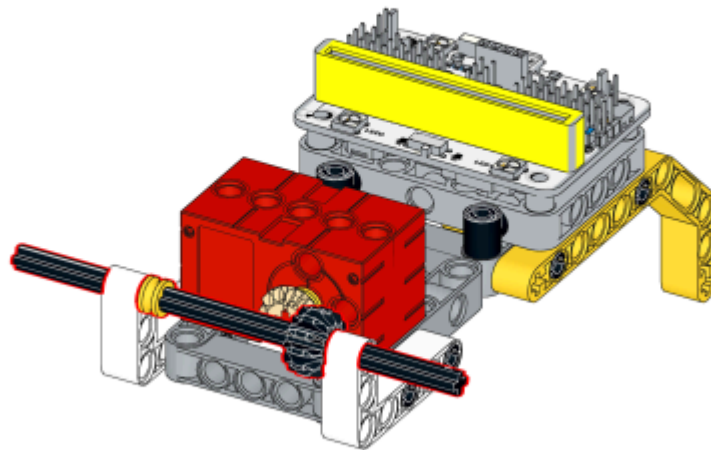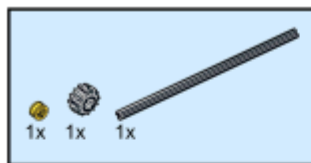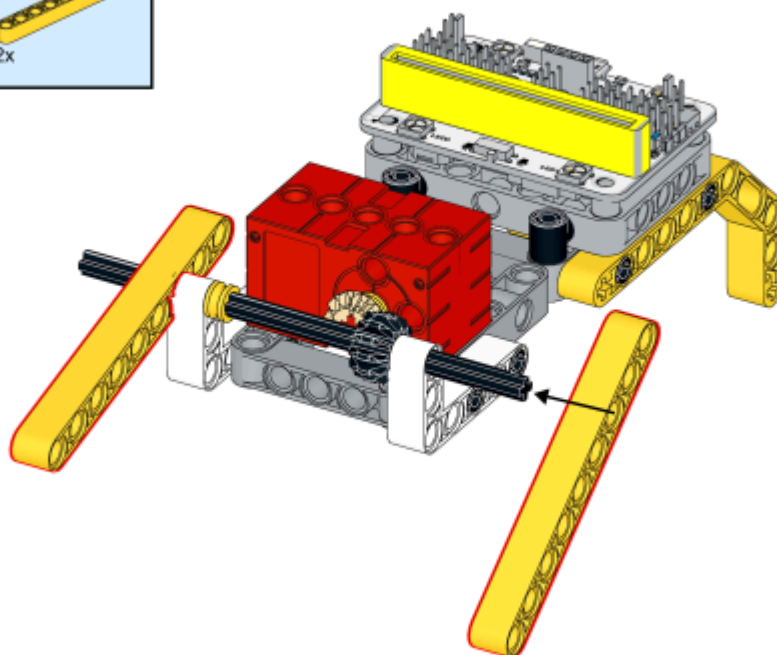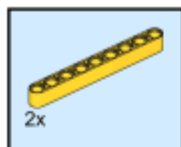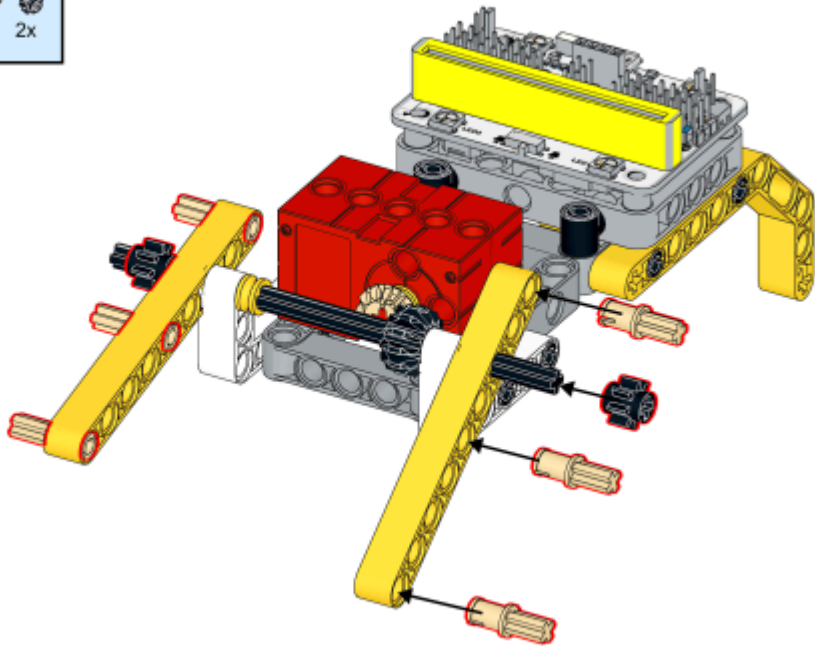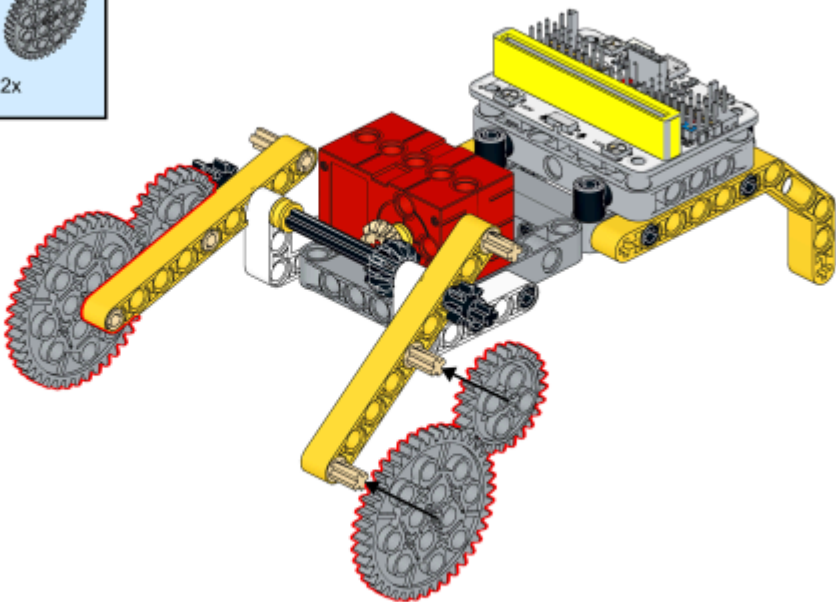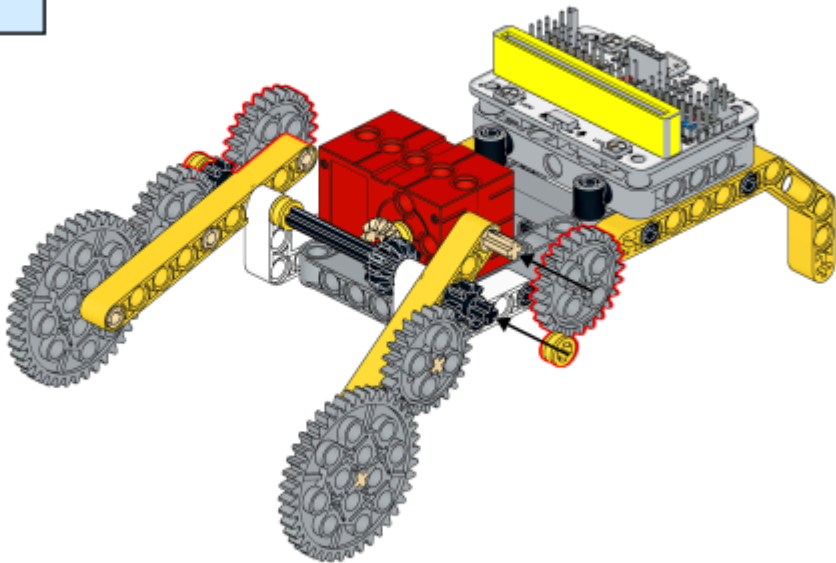
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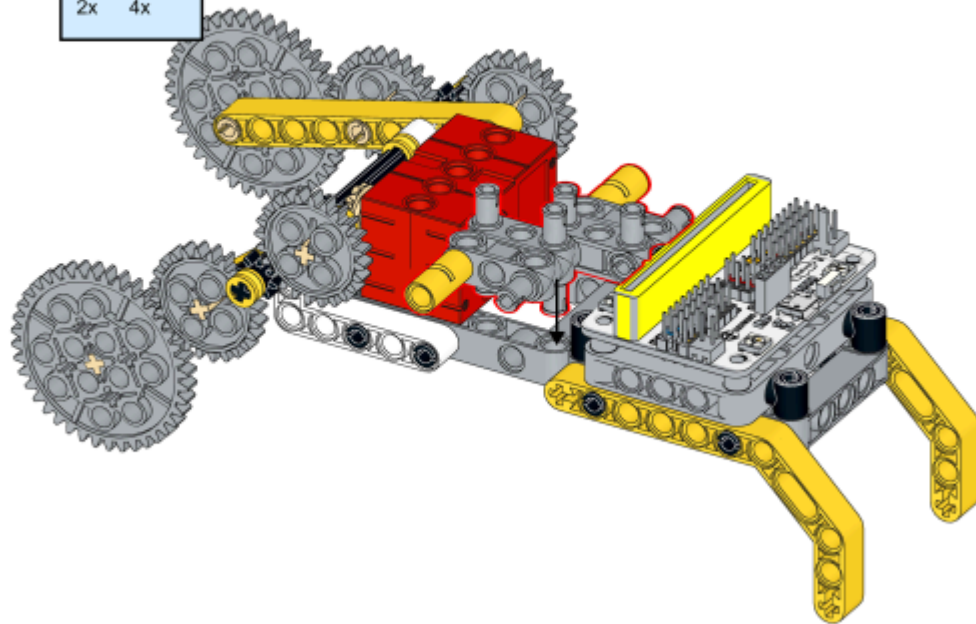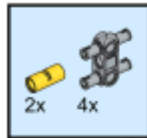
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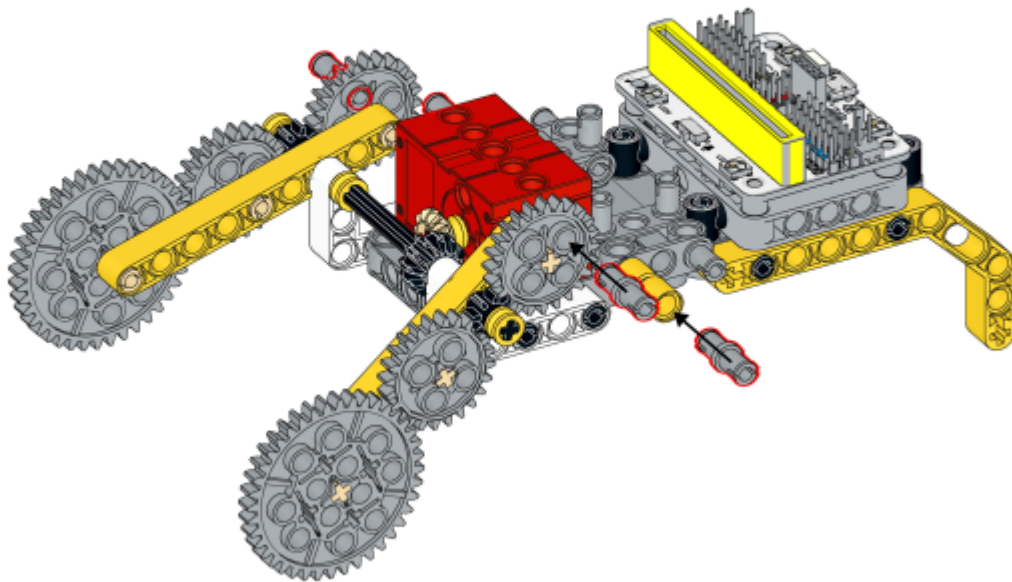
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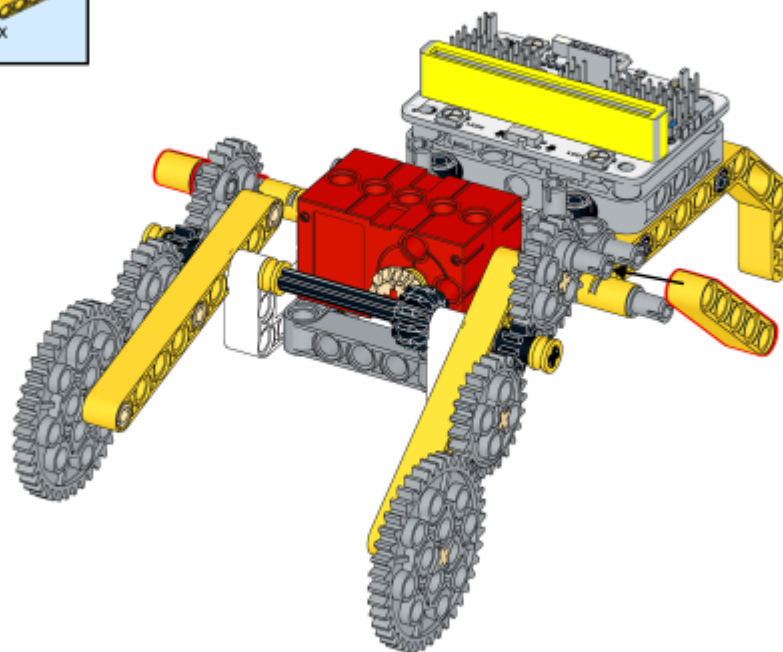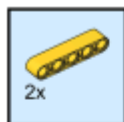
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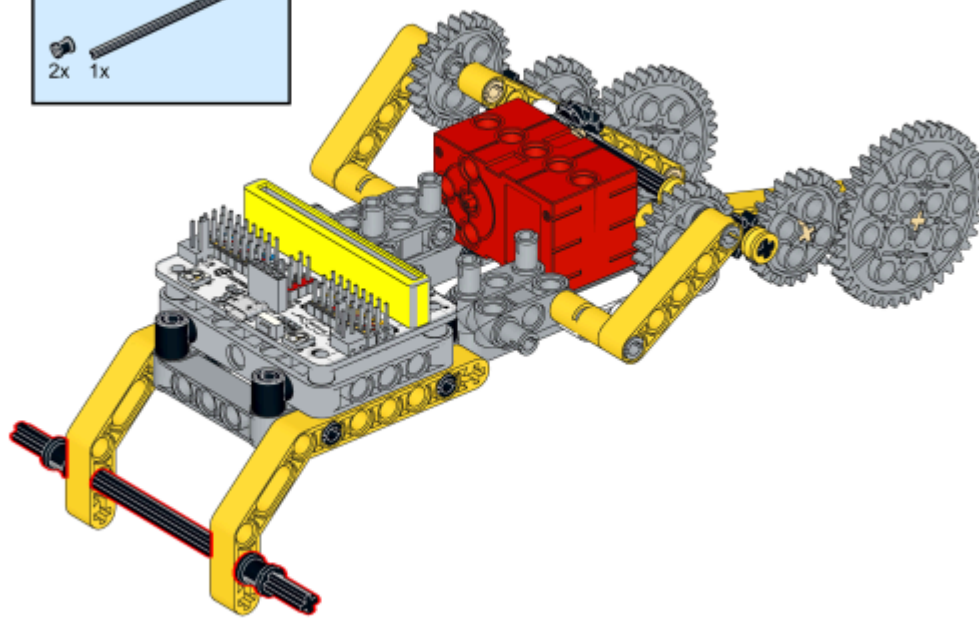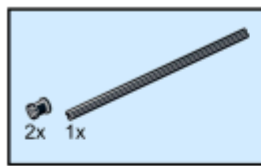
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21.5. Hardware Connection

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

21.6. Software Platform

MakeCode

21.7. Coding

Add extensions

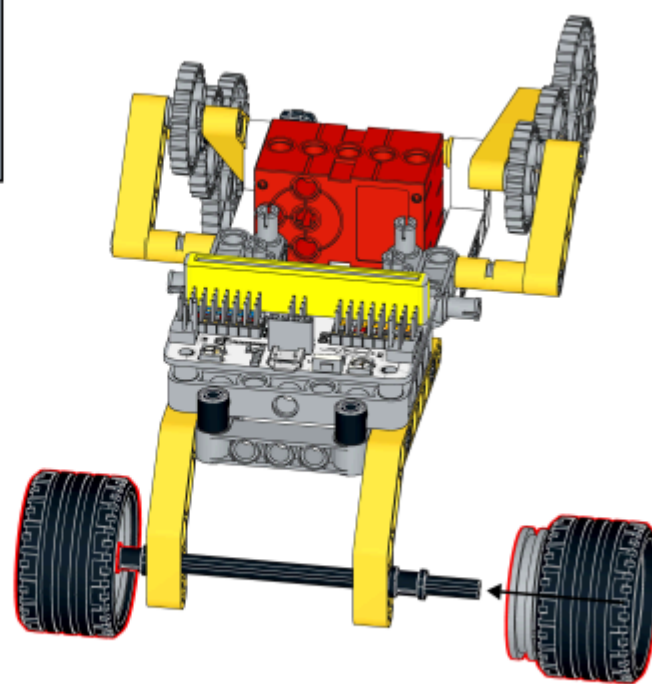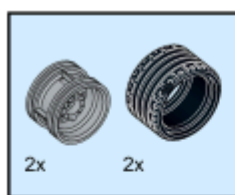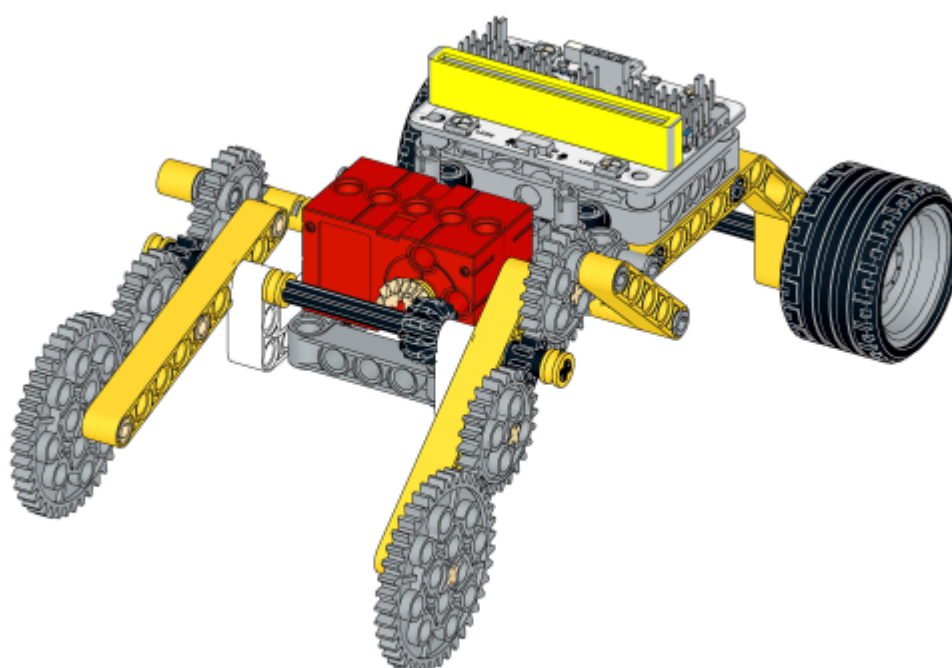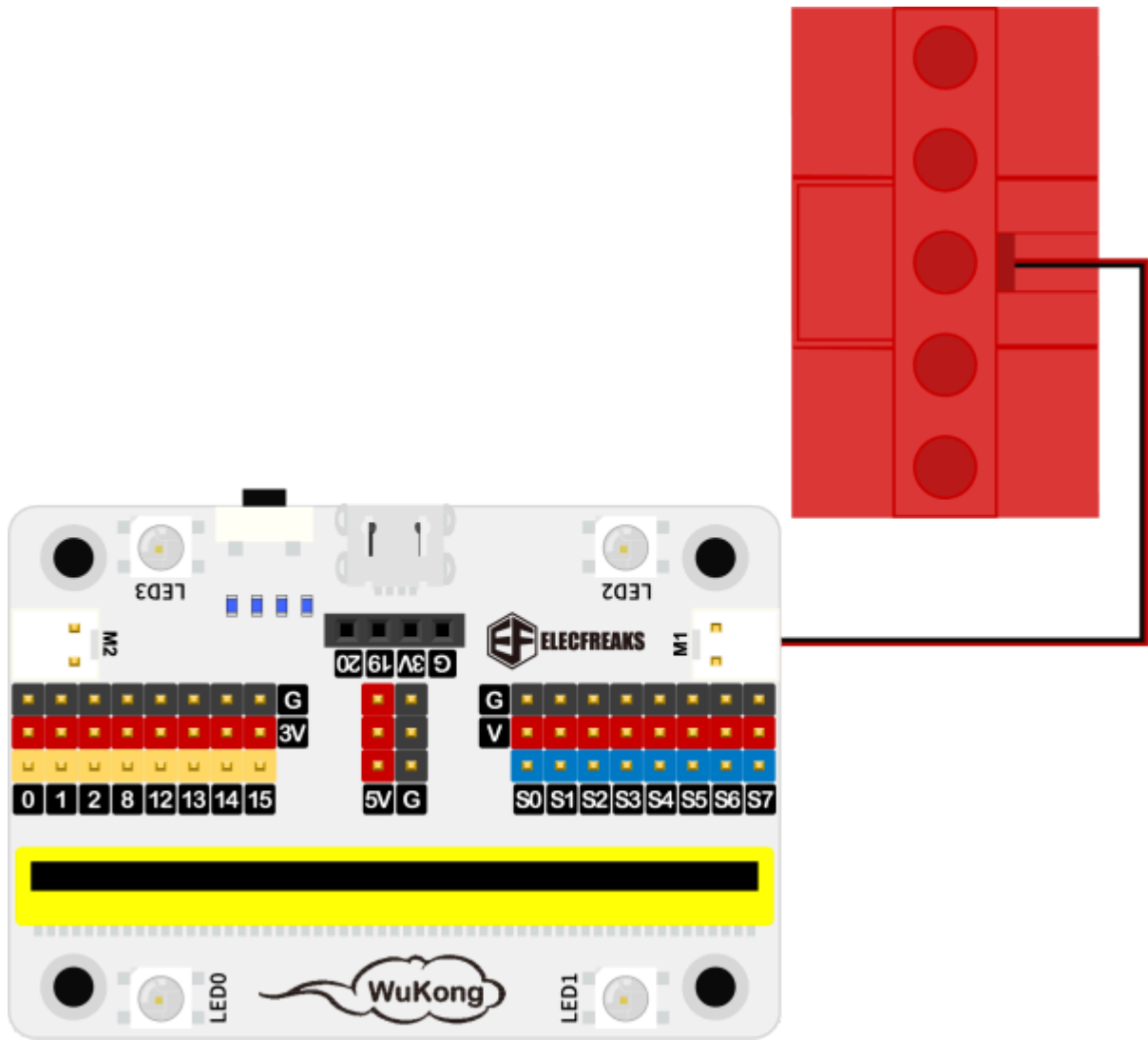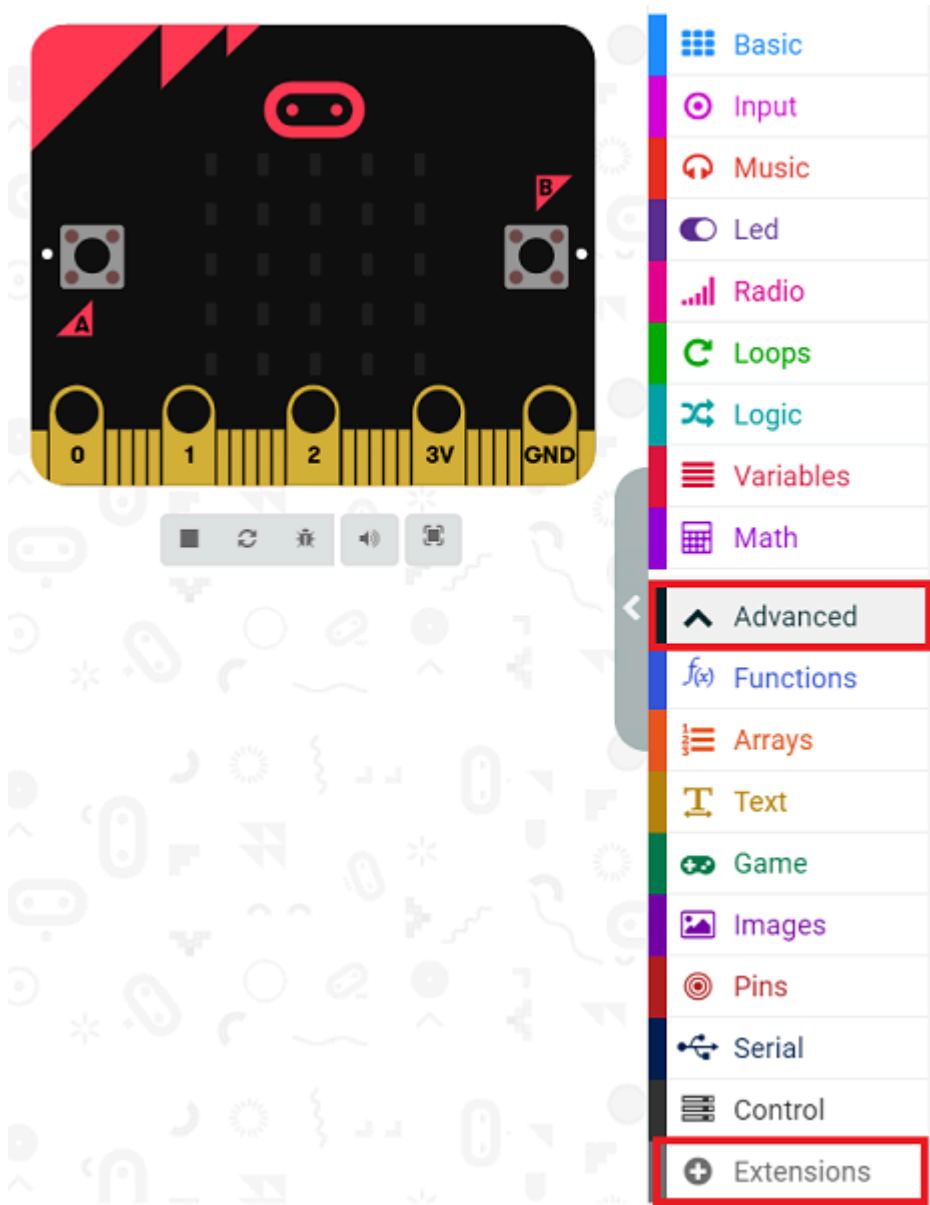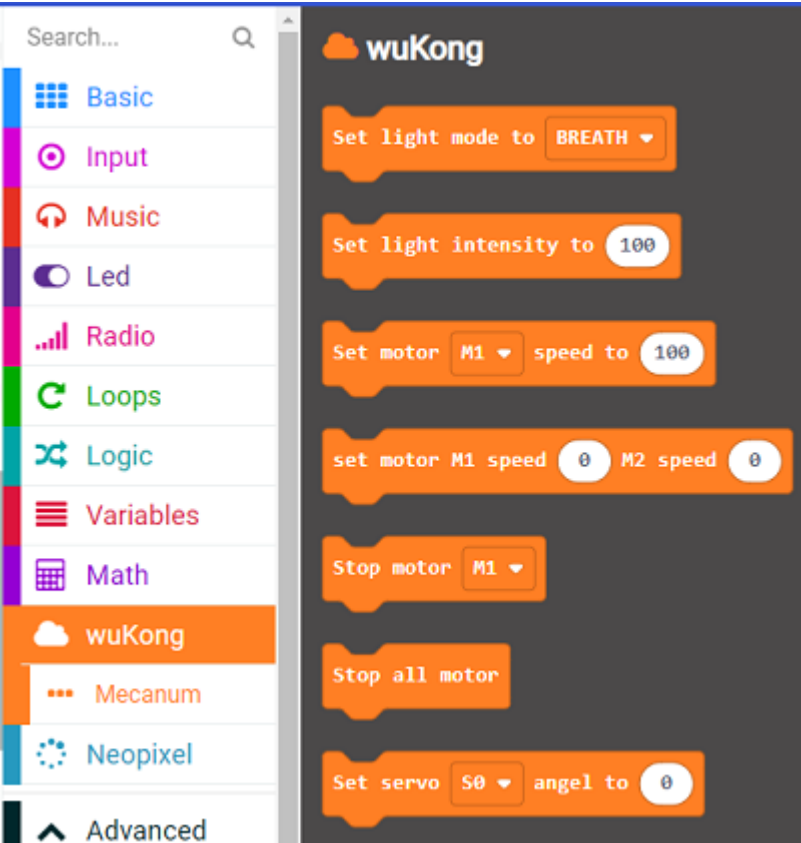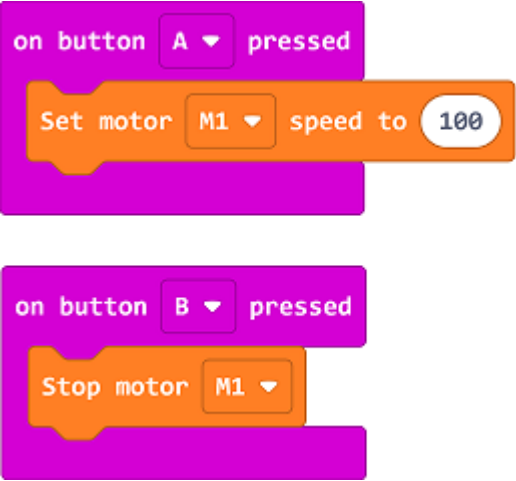Click "Advanced" in the MakeCode to see more choices.

Search with Wukong in the dialogue box to download it.

Program

Link:https://makecode.microbit.org/_289eegA6E7jP

Result

The crawler moves forward when button A is pressed, and stops moving when button B is pressed.

By ELECFREAKS Team

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