21318 Tree House P14203

- **P14203 is the unique code of lighting set, we use this to accurately identify the product you purchased and the corresponding manuals and services you need to obtain. Please make sure your product code is the same as the label on the back of the box shown "21318 P14203".**

- **Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.**

Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

Section A：Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material. The type of components is indicated by the label on the bag.

Section B：Test that each components is working properly.

Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

Section C：laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation step

Section A：Check the type and quantity of components.

There are 14 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	5
Bit Lights-15CM-Blue	Bit Lights-15CM-Blue	4
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	4
LED Strip Lights-Green	LED Strip Lights-Green	3
LED Strip Lights-Warm White	LED Strip Lights-Warm White	9
Expansion Board	6 Socket Expansion Board	4
	8 Socket Expansion Board	1
USB Power Cable	USB Power Cable-30CM	1
Connecting Cables-5CM	Connecting Cables-5CM	4
Connecting Cables-15CM	Connecting Cables-15CM	10
Connecting Cables-30CM	Connecting Cables-30CM	2
Connecting Cables-50CM	Connecting Cables-50CM	2
Flicker-Effects Board	Flicker-Effects Board	1
Remote Control Board	Remote Control Board	1
Parts package		

Please contact us immediately if there have any missing components.

Section B: Test that each components is working properly.

We need a structure to test all lights, so take out the bag with label "USB Power Cord"and "Expansion Boards"as follows.

It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board.shown as blow.
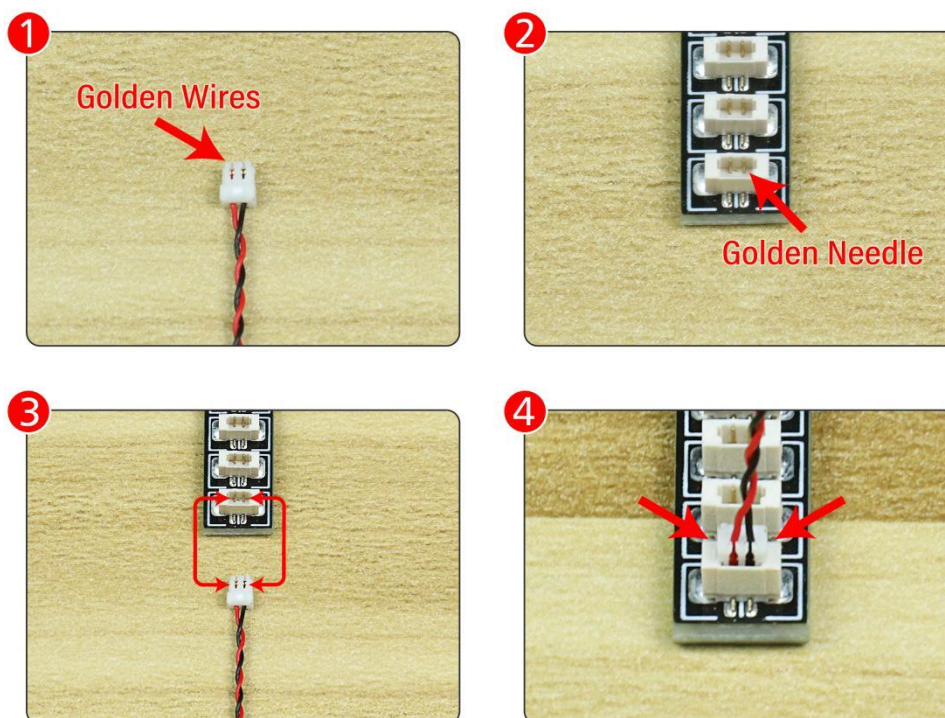
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:
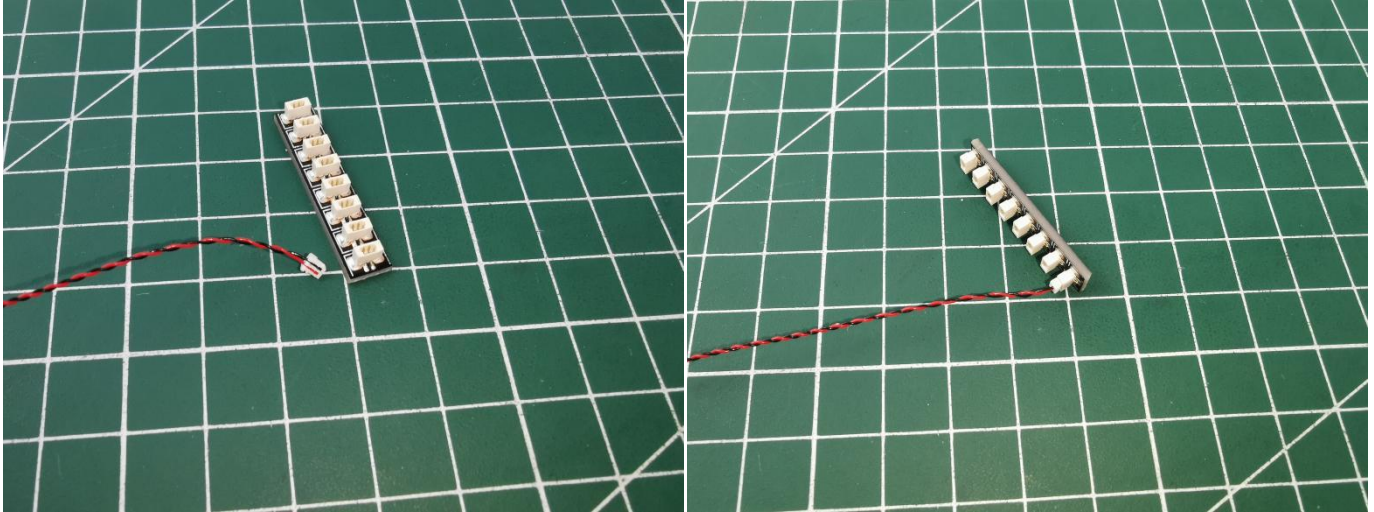
The USB Power Cord can be powered by phone chargers, power banks,etc.

USB connectors to connect devices

Power Bank

Phone Charger

USB Socket

USB Power Cable

With USB to interface
AA battery box

With USB to interface
AAA battery box
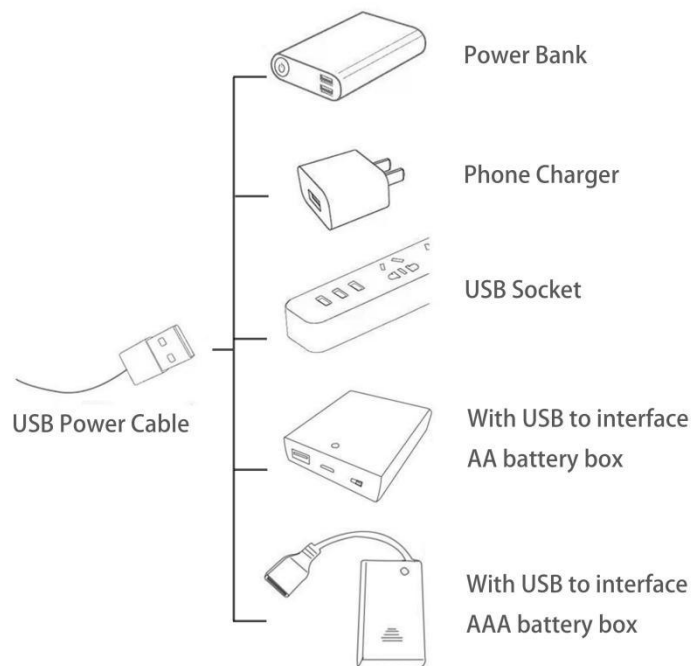
This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.

when we test "Bit Lights-15CM-Warm White" particles,Take out the bag labelled "Bit Lights-15CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.
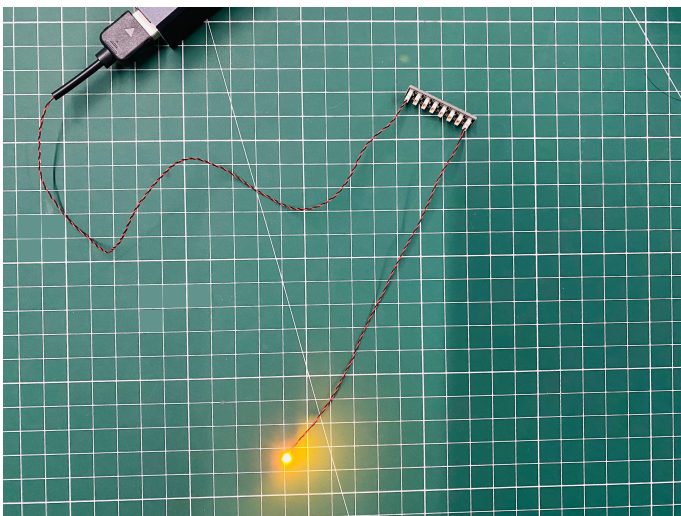
Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

The components needs to be tested in this set is 5*Bit Lights-15CM-Warm White,4*Bit Lights-15CM-Blue,4*Bit Lights-15CM-Warm White,3* LED Strip Lights-Green,9*LED Strip Lights-Warm White.

Please contact us immediately if any components don't work.

Section C：laying out components following the instruction.

1

2

Take a warm white 30cm dot light, a 1x1 trans orange round plate, with the lighting part facing up, place the light in the middle of the fire piece.

Tips

The plate without slit:

The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.
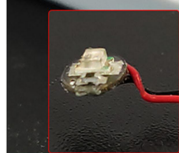
The plate with slit:

The plate with slit:

The wire has enough space to avoid being squeezed endowed with longer service life and more stable effect.
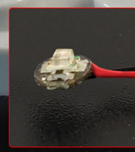
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormalheat during installation.

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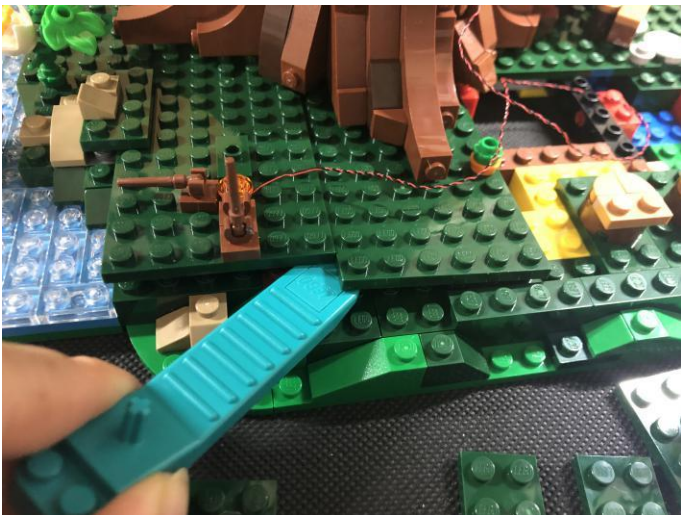
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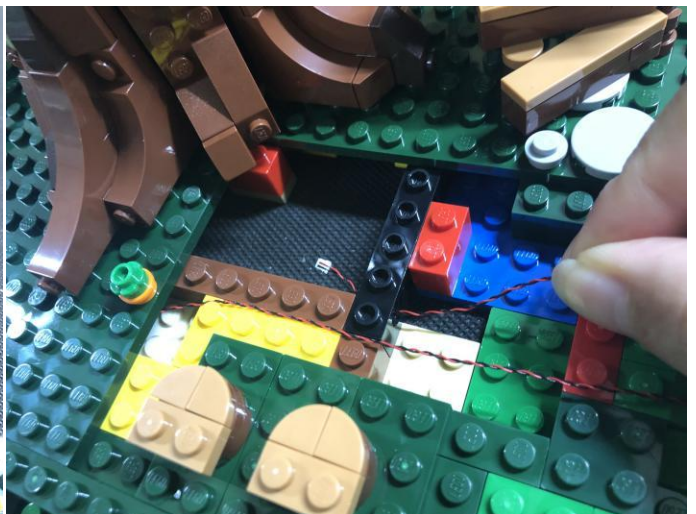
Take a warm white 15cm dot light, thread the light through the smaller hole till the light is placed against the hole, reconnect the flame.

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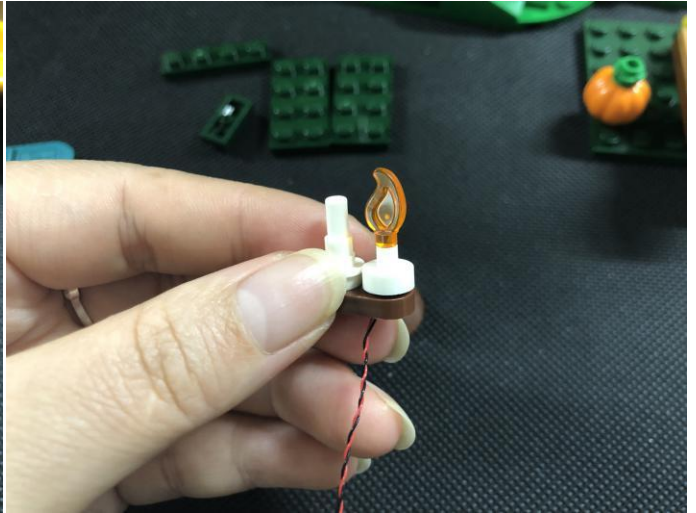
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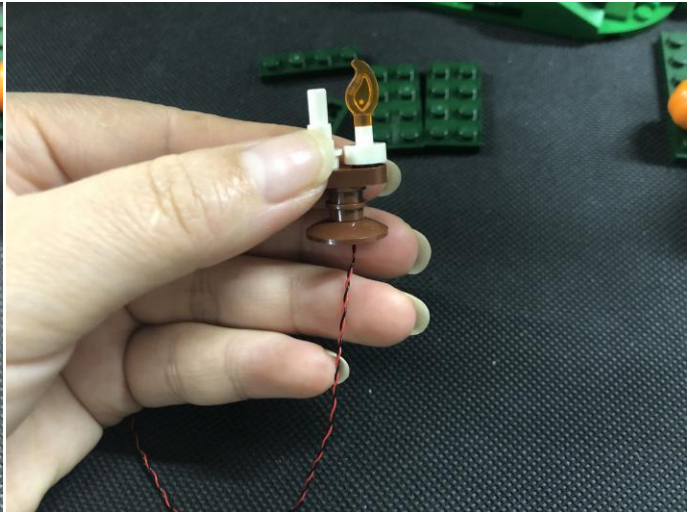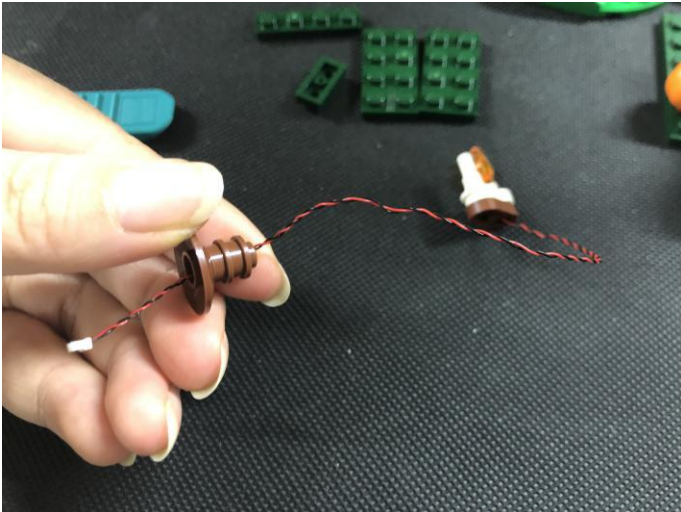
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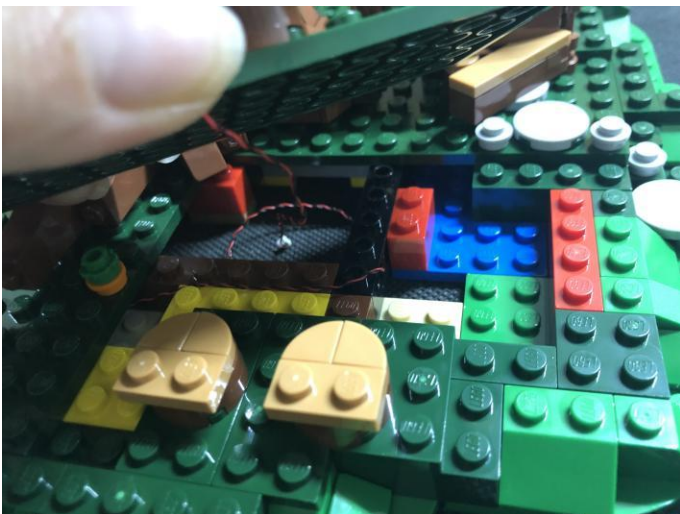
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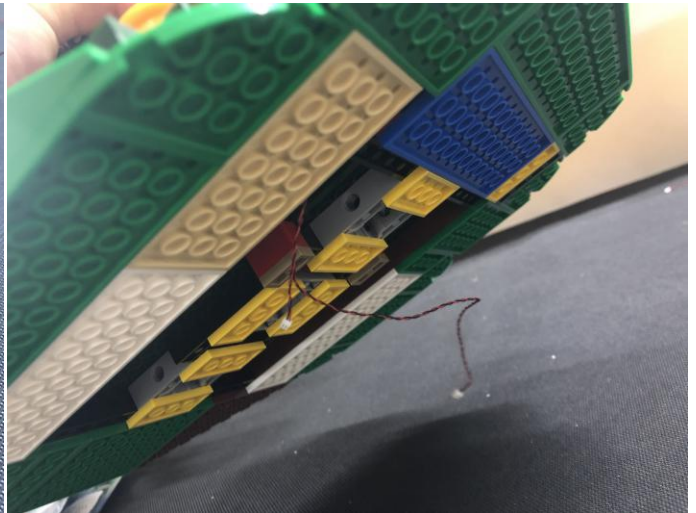
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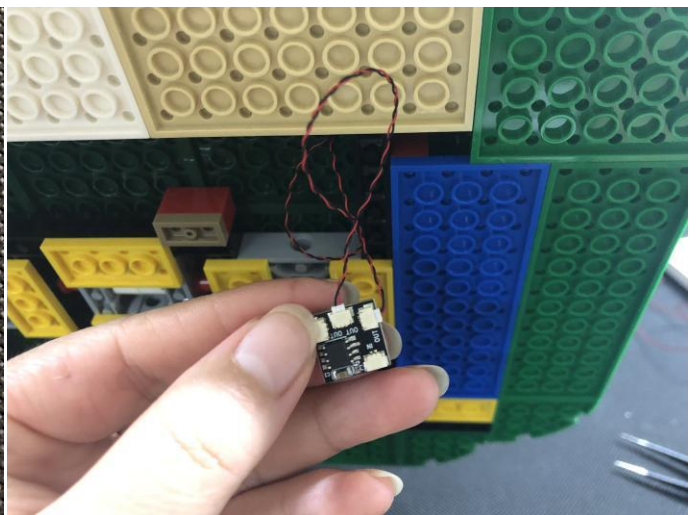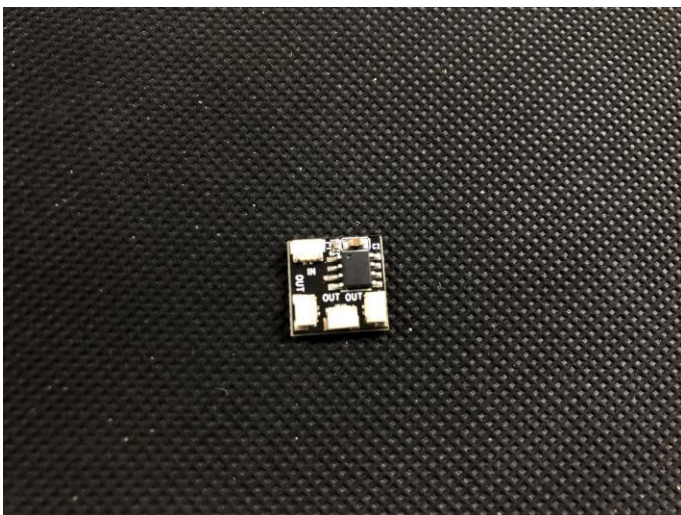
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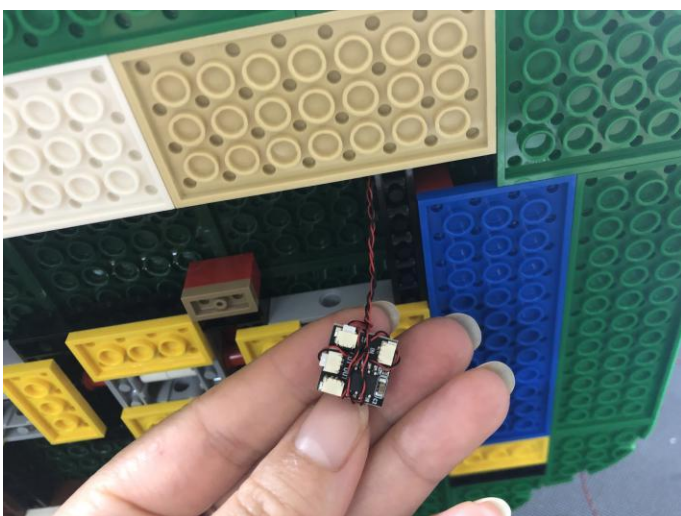
17

Take a warm white 30cm dot light, thread the cable through the bigger hole on the shade.
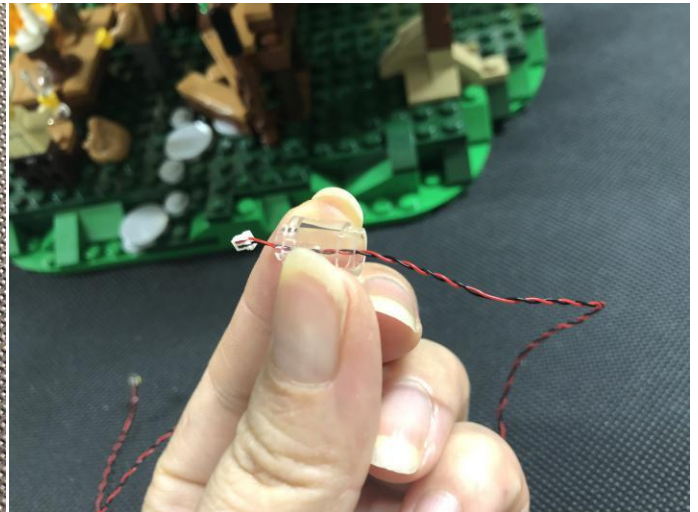
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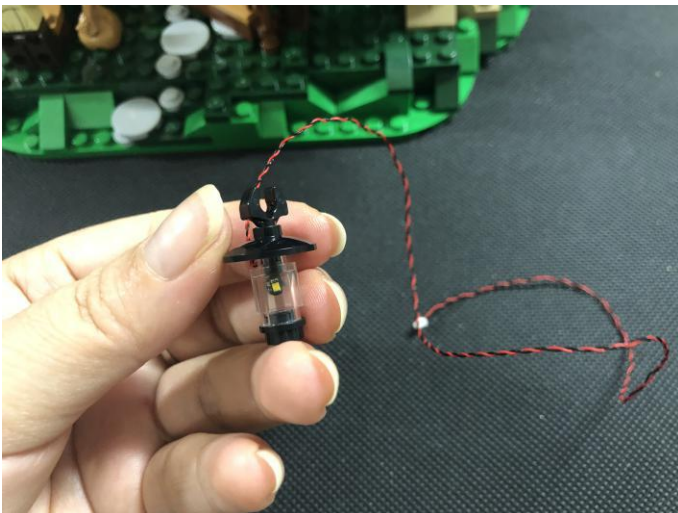
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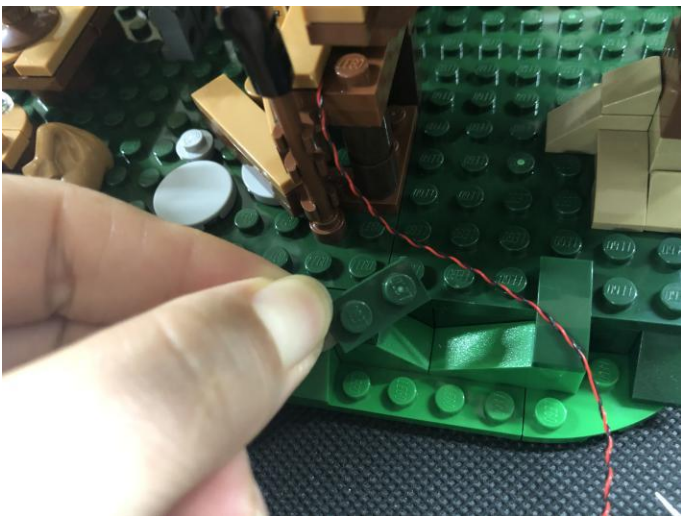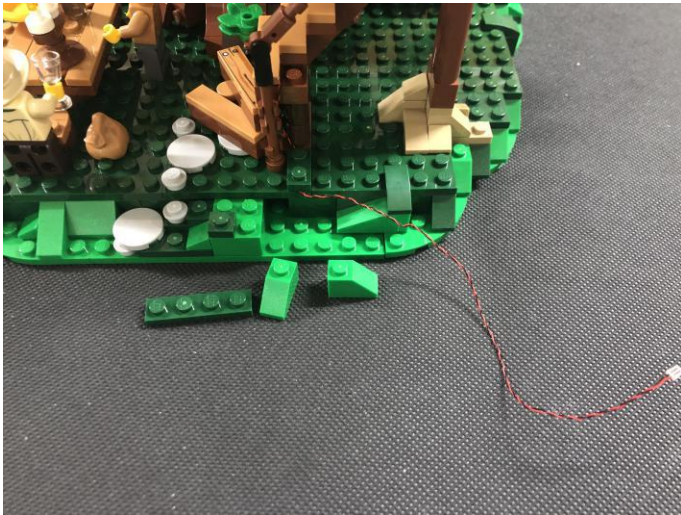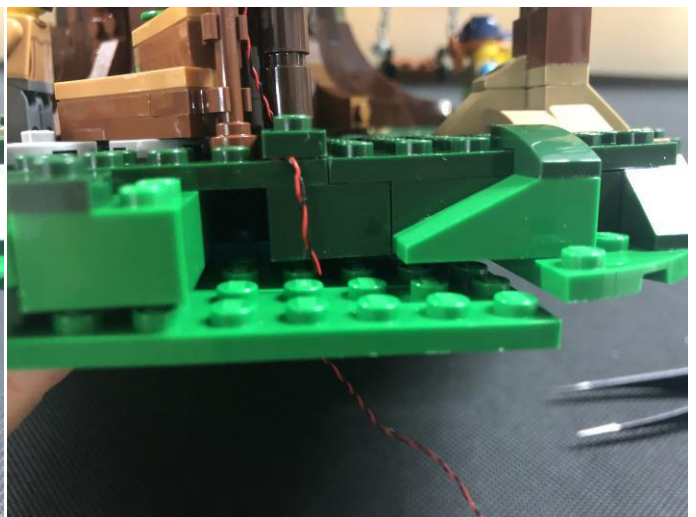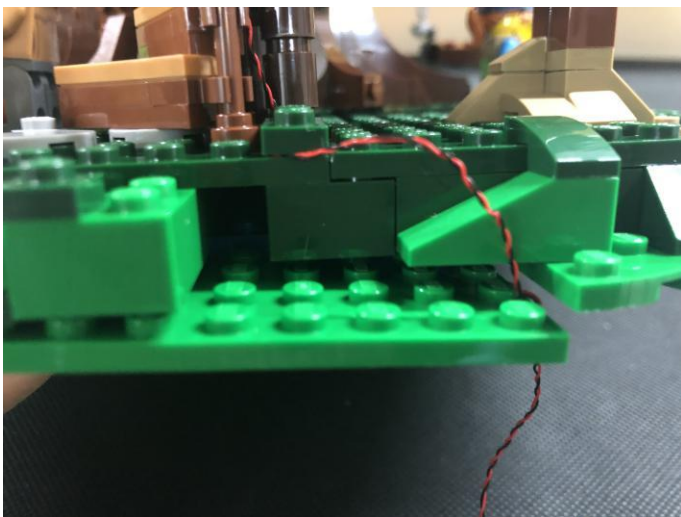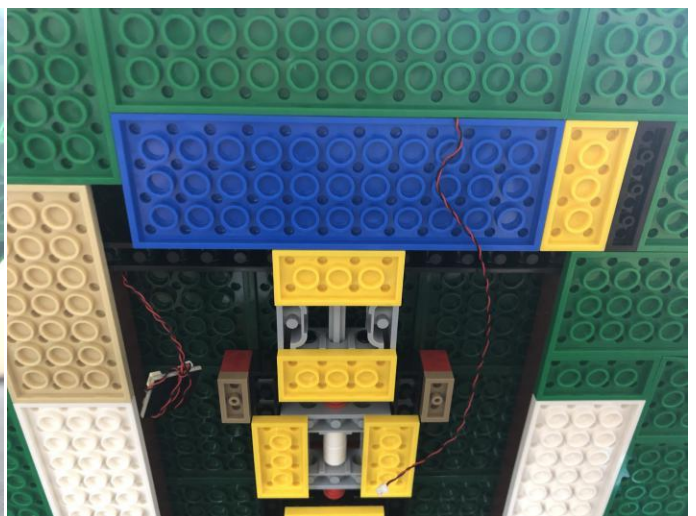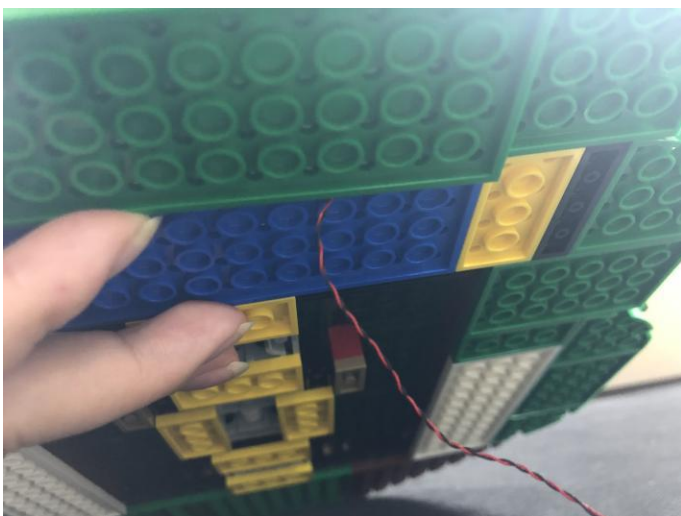
Take a 5cm connecting cable, connect it to the Flicker Effects Board.
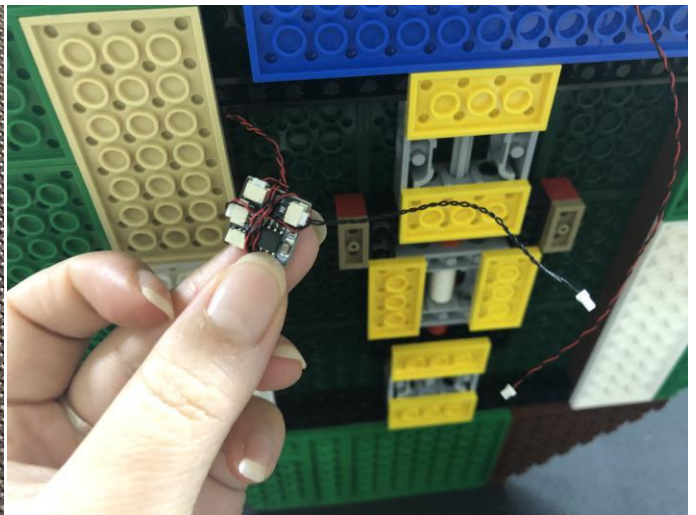
Take a 6-port expansion board, connect the other end of the connecting cable to it.
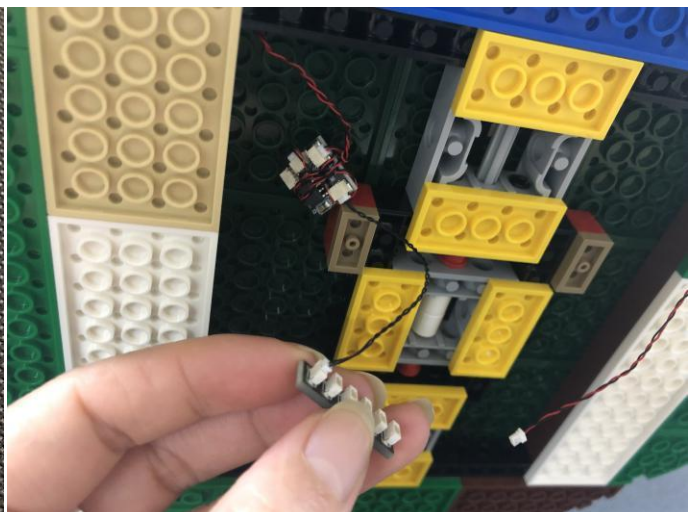
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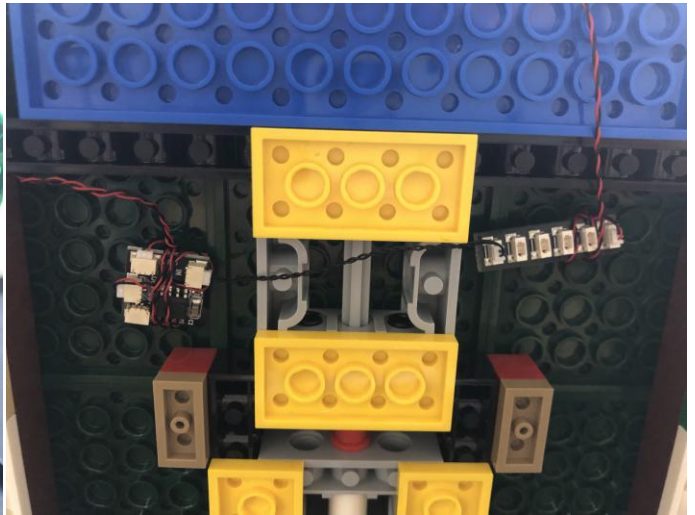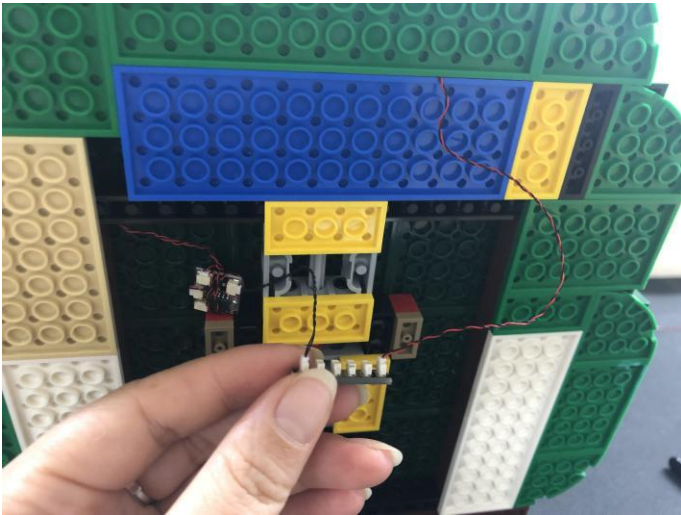
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Take 4 blue 15cm dot lights, 4 trans 1x1 plates, place the light to the following place.
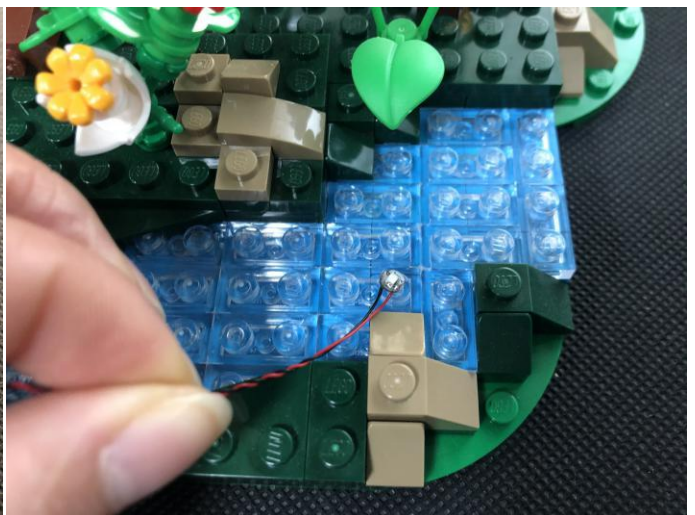
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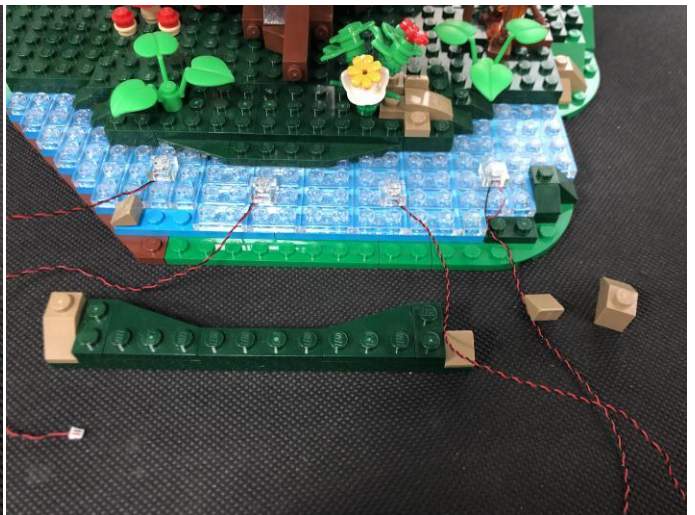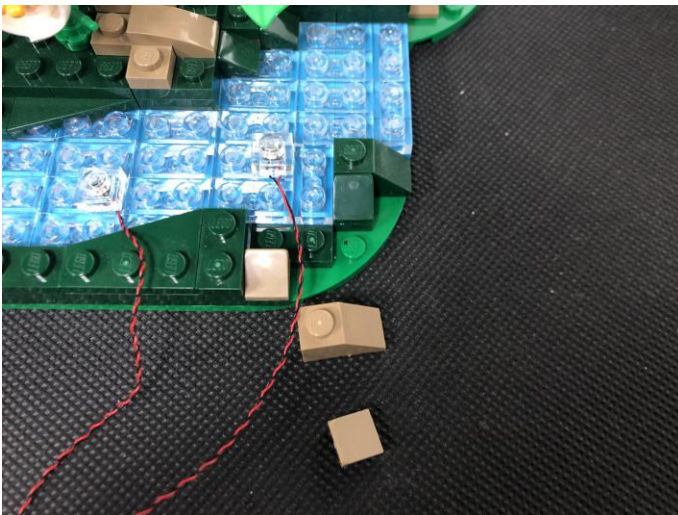
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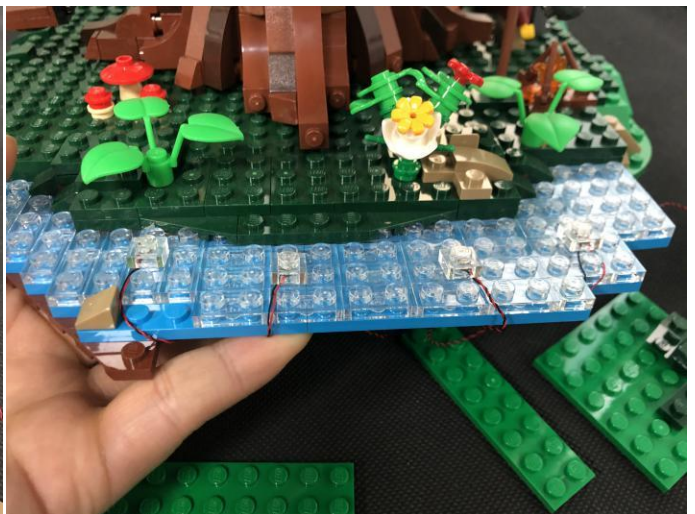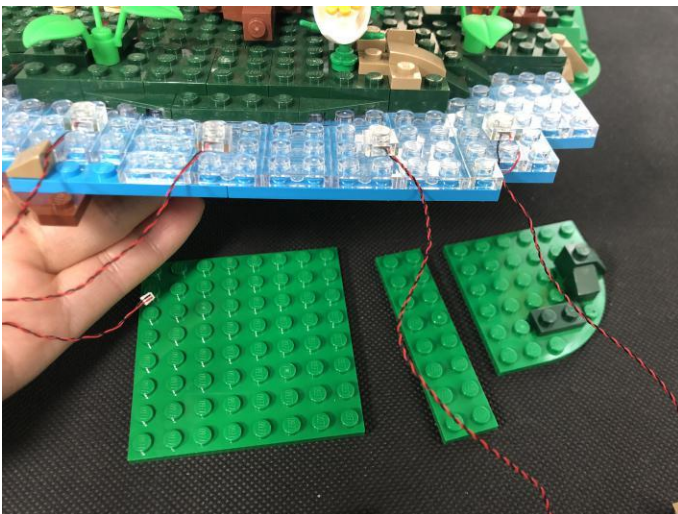
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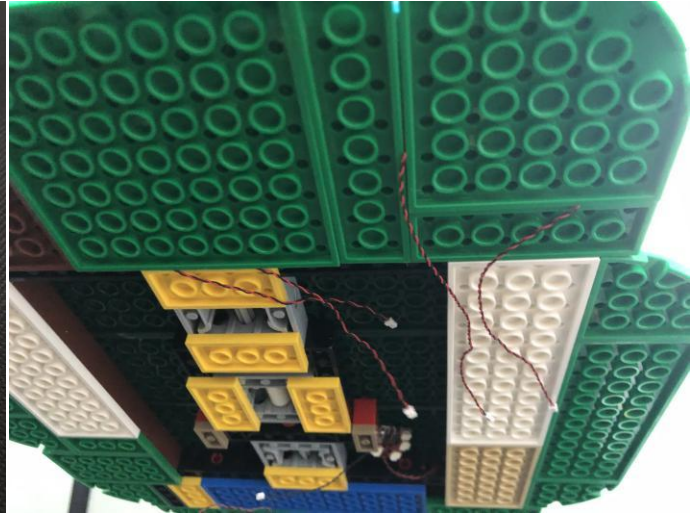
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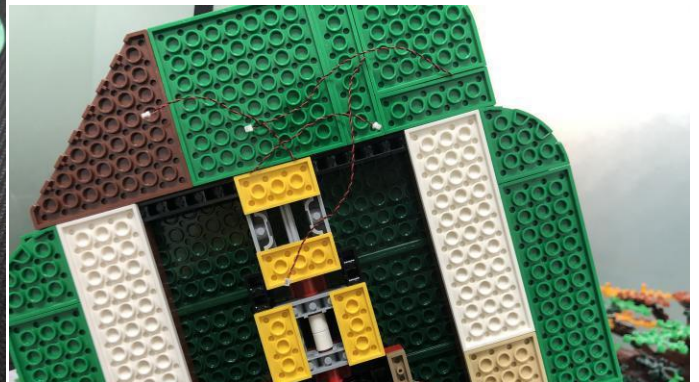
Take a 6-port expansion board, connect the 4 cables from the river to it.
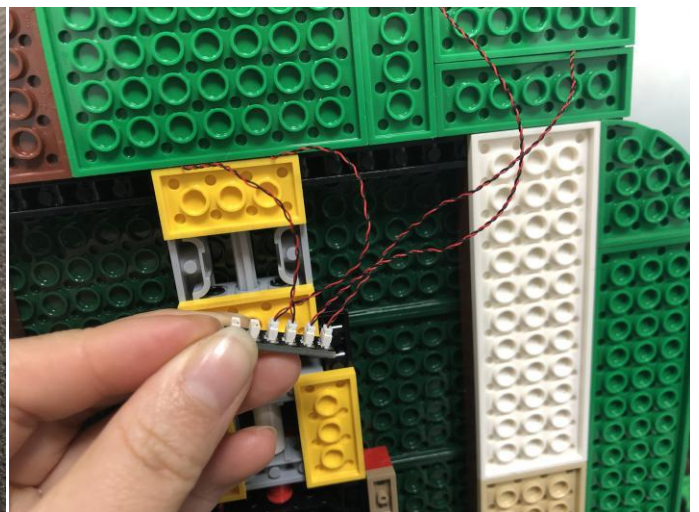
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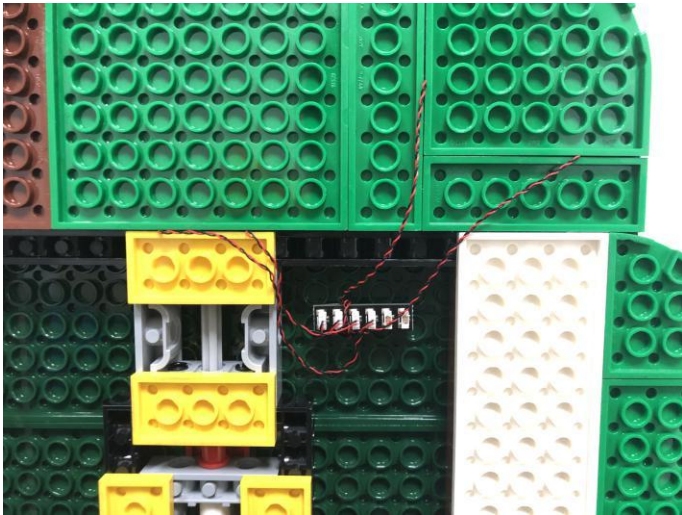
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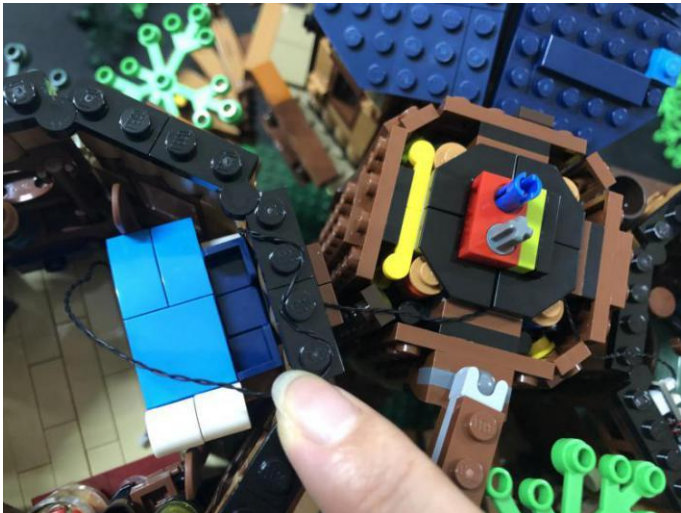**Take a warm white 15cm dot light, thread the light through the trans yellow shade.**
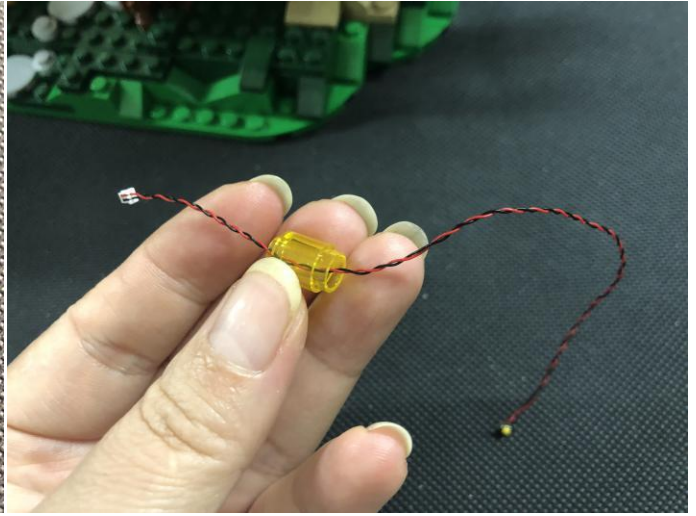
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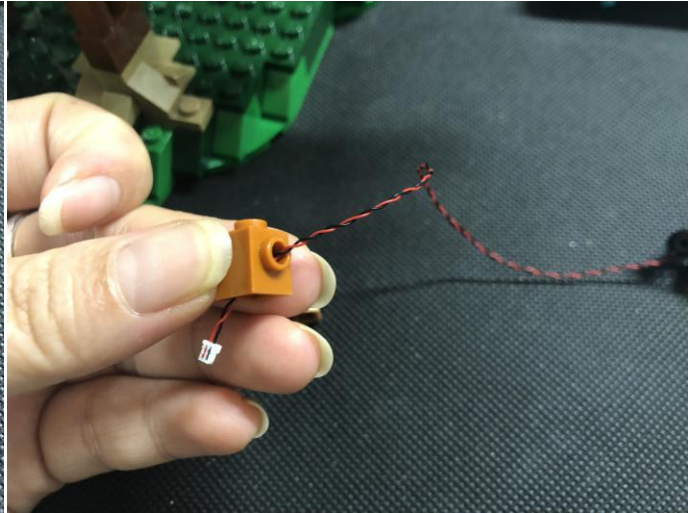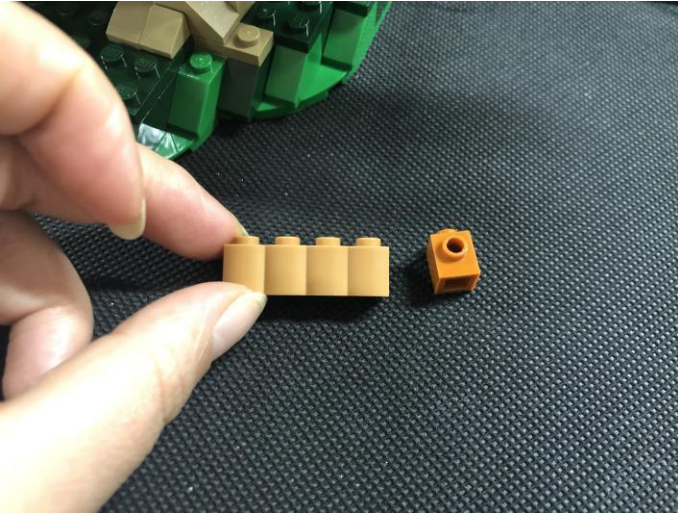
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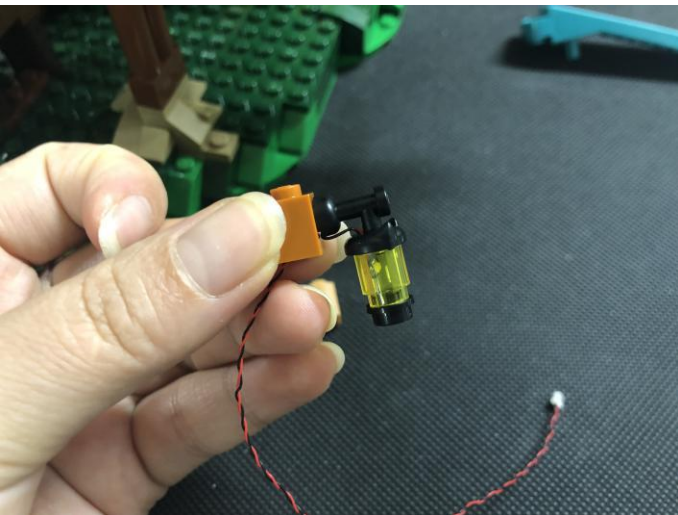
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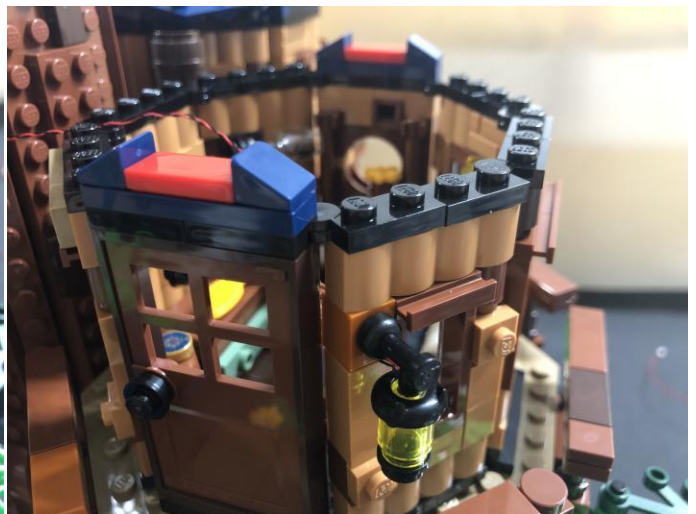
Take a warm white strip light (striplight#1), connect the cable from the lamp to the right port of the striplight#1.
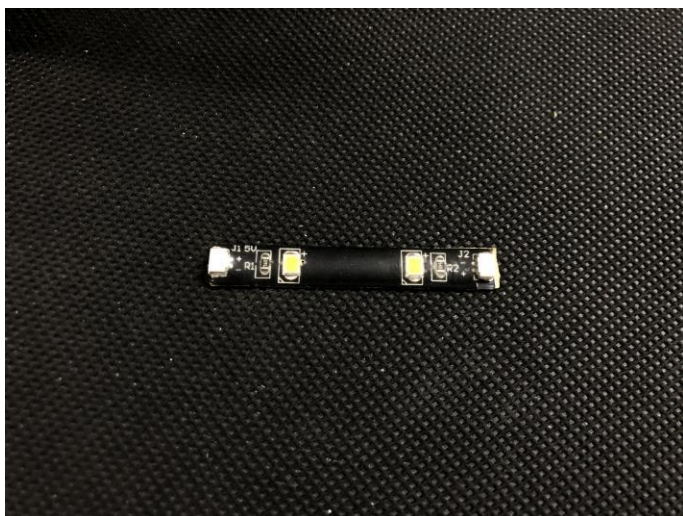
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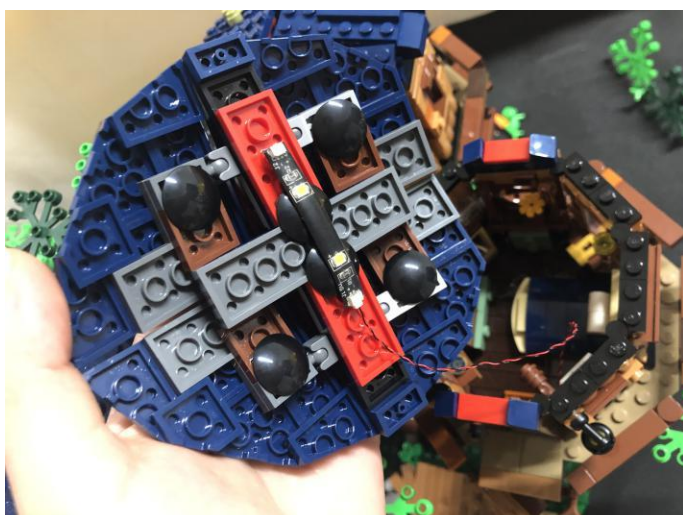
Take a 15cm connecting cable, connect it to the other port of the strip light.

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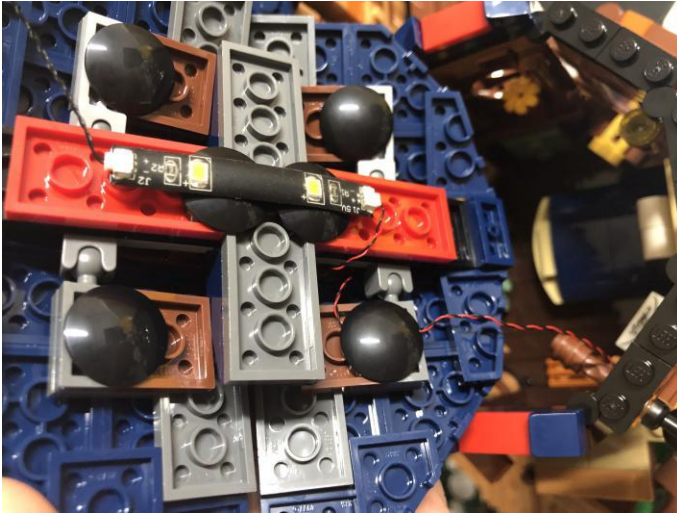
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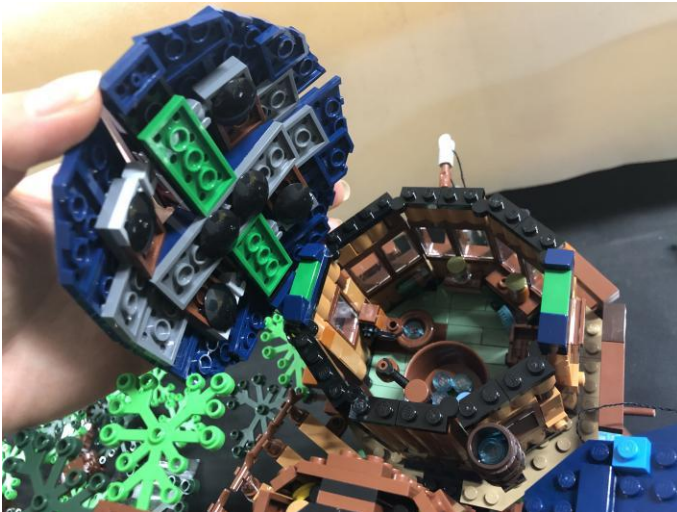
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Take a warm white 15cm dot light, thread the light through the trans yellow shade.
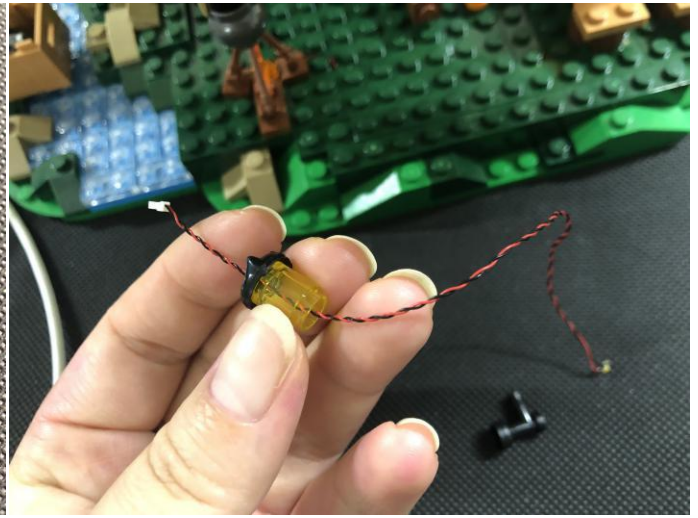
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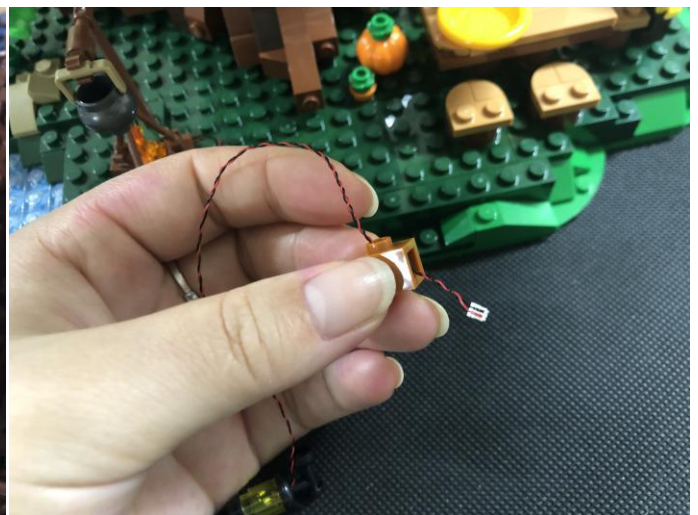
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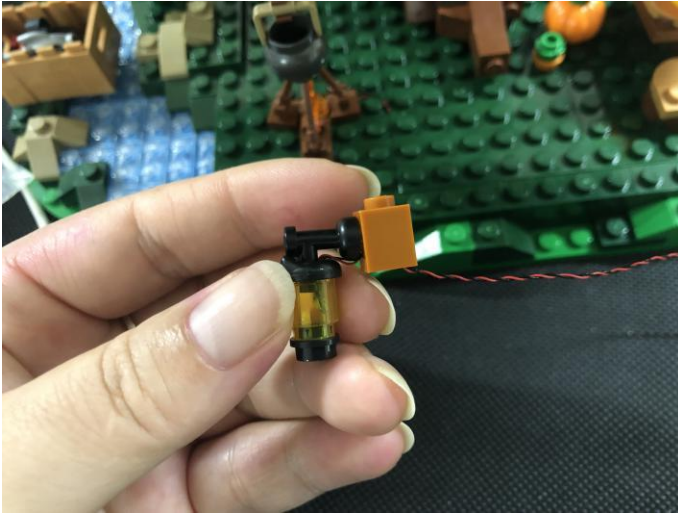
Take a 6-port expansion board, secure the cable with the hinge plate.

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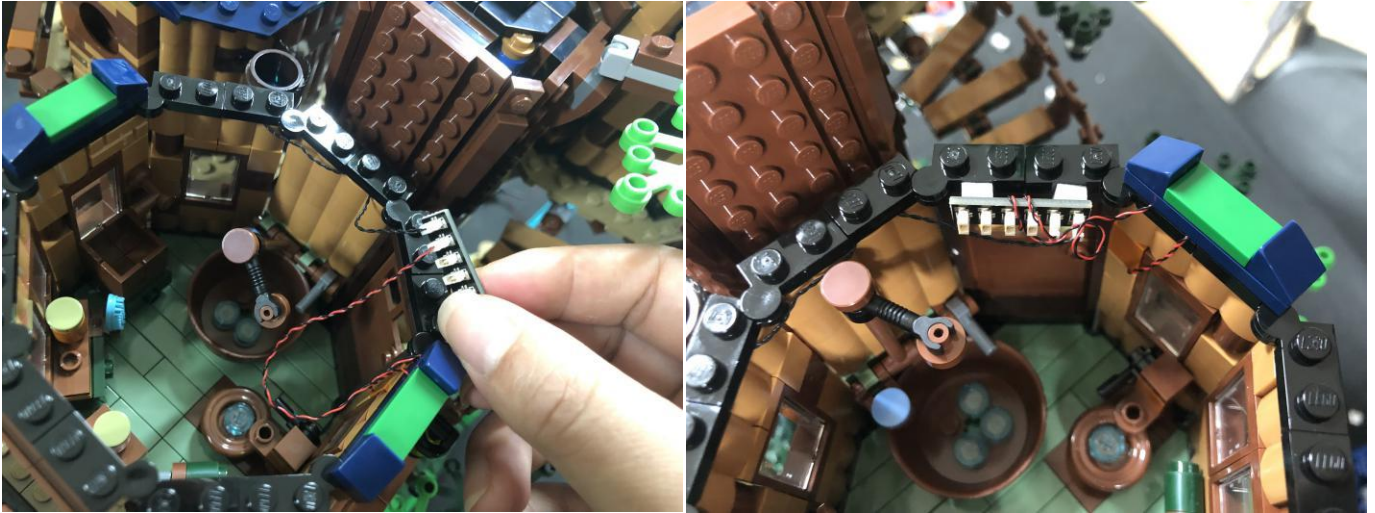
Take a warm white strip light(striplight#2), a 15cm connecting cable.
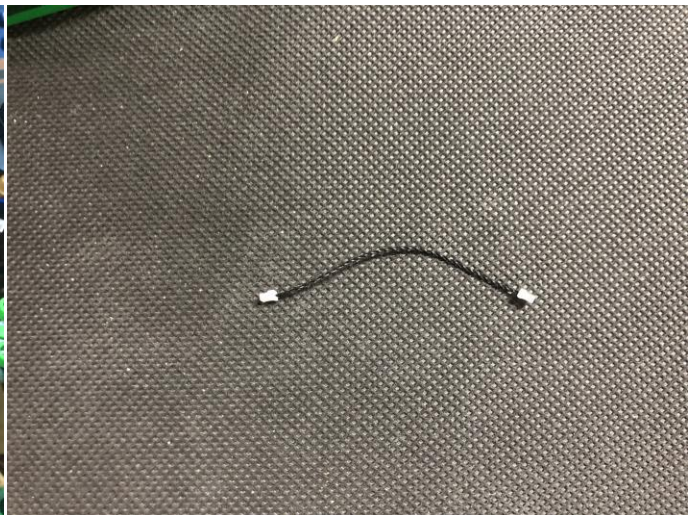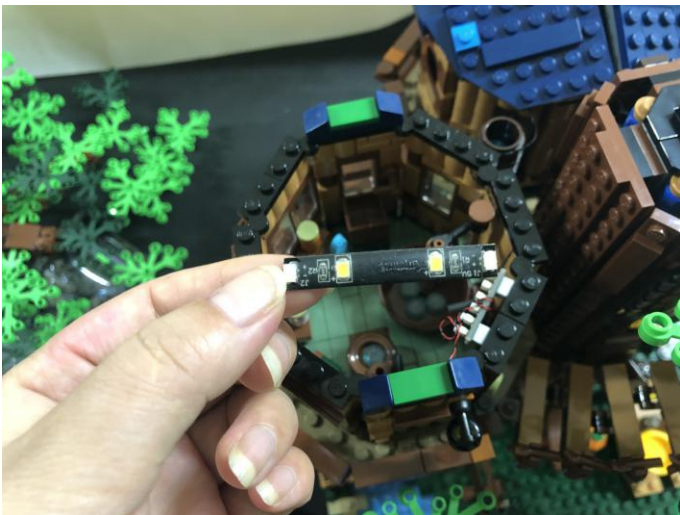
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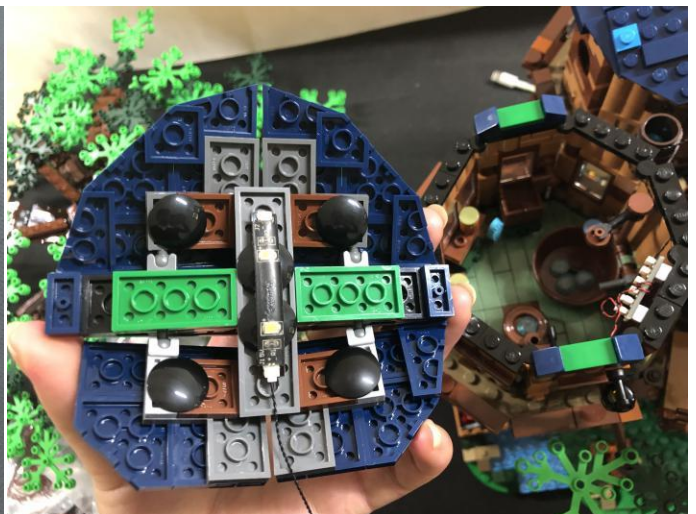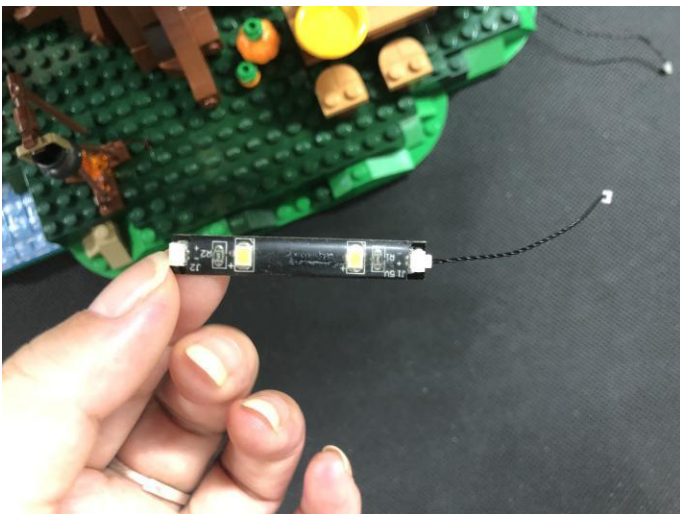
54

Take a 30cm connecting cable, connect it to the expansion board in the bath room.
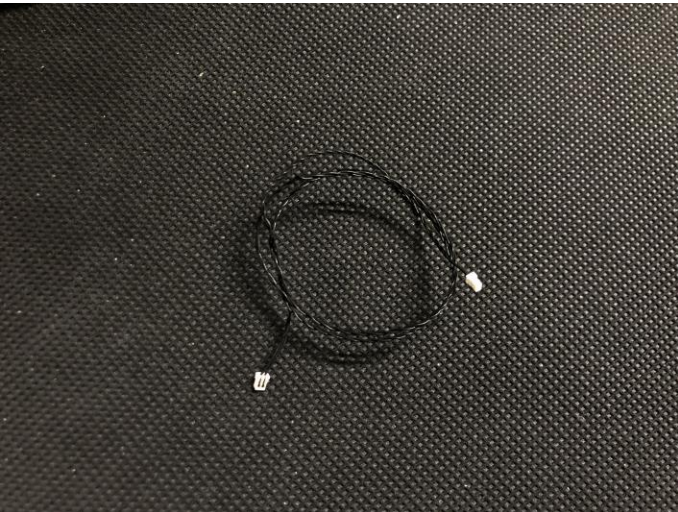
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Take a warm white 15cm dot light, thread the light through the trans yellow shade.

61
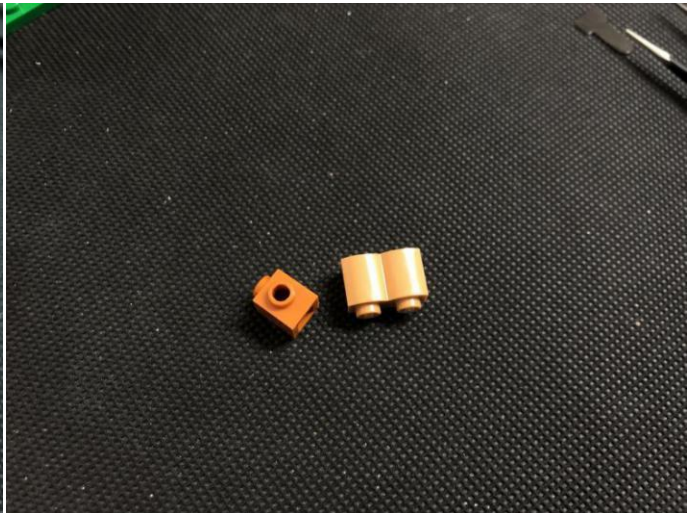
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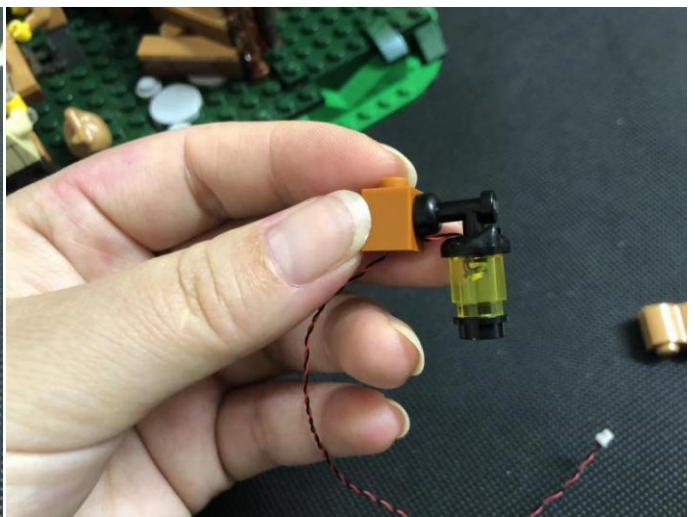
63

Take a warm white strip light, connect the cable from the bathroom to the right port of the strip light, connect the cable from the lamp to the left port.
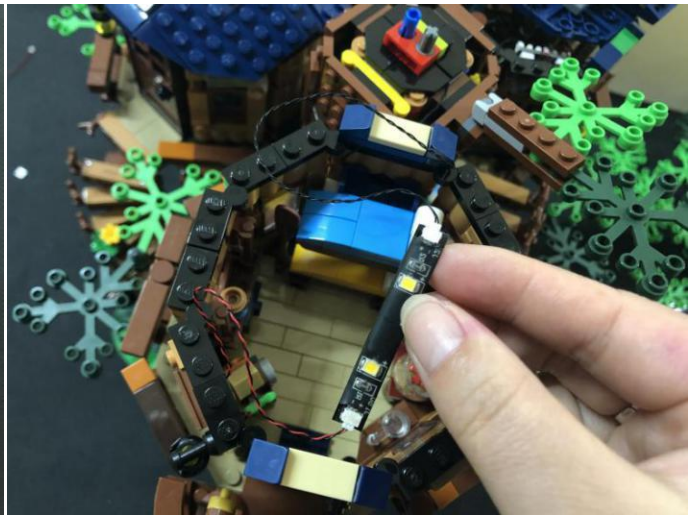
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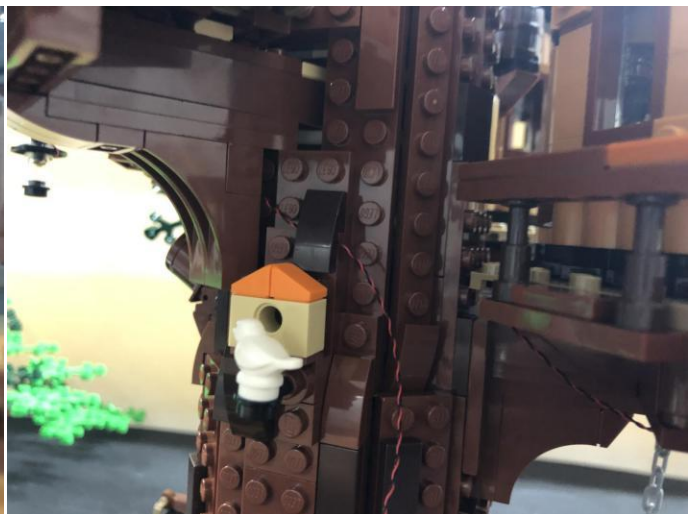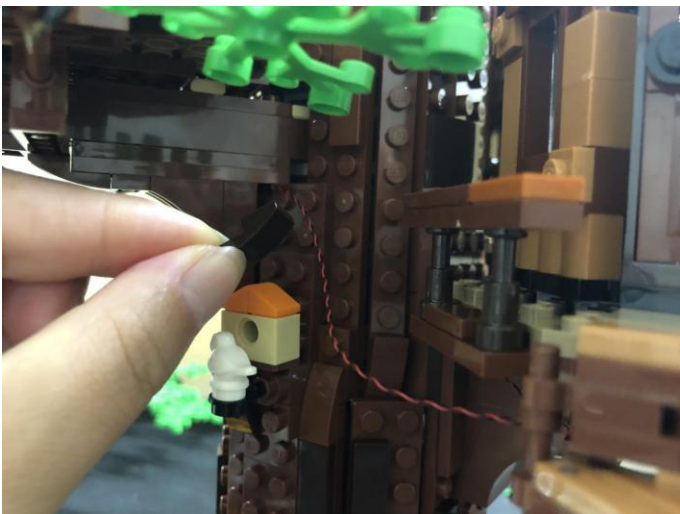Take a warm white 15cm dot light, thread the light through the following piece.
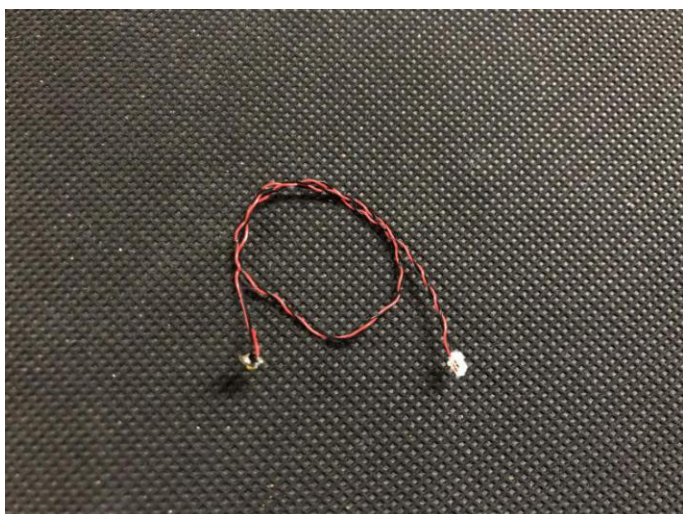
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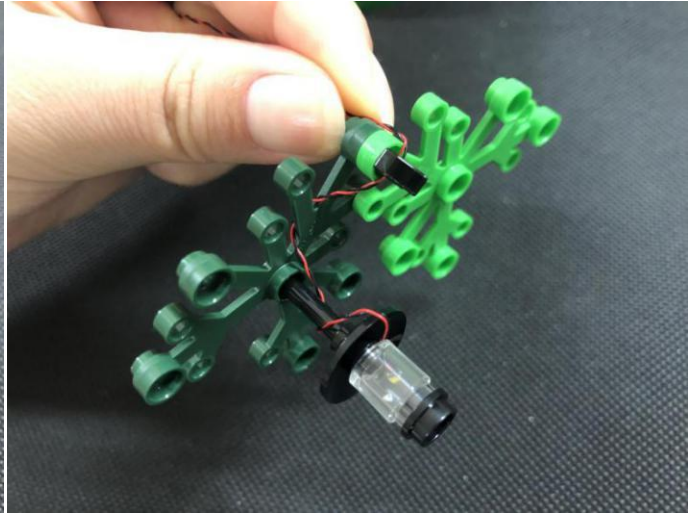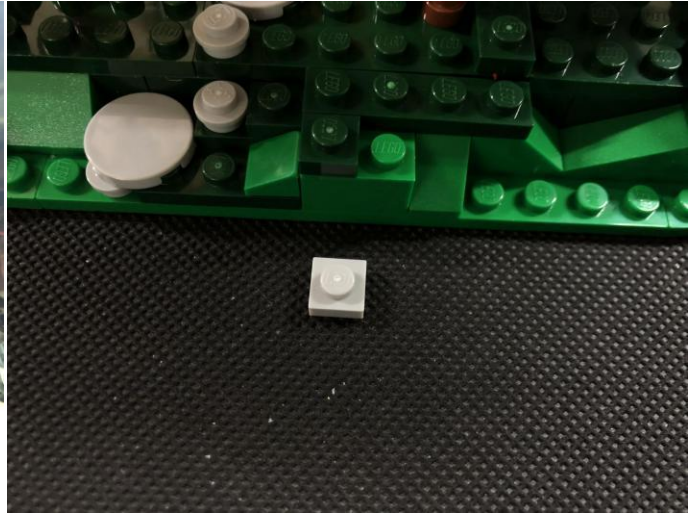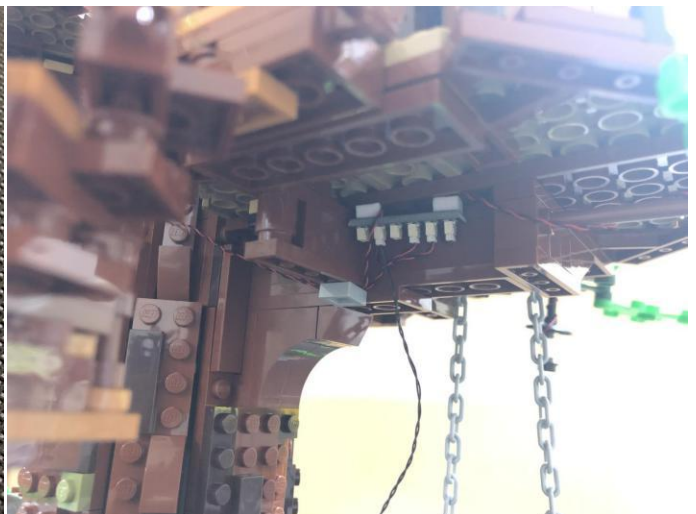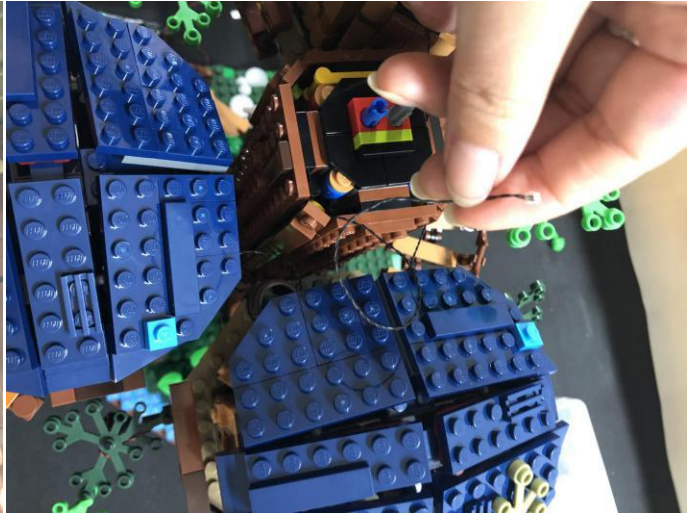

69

Take a 6-port expansion board, connect the cable to it.
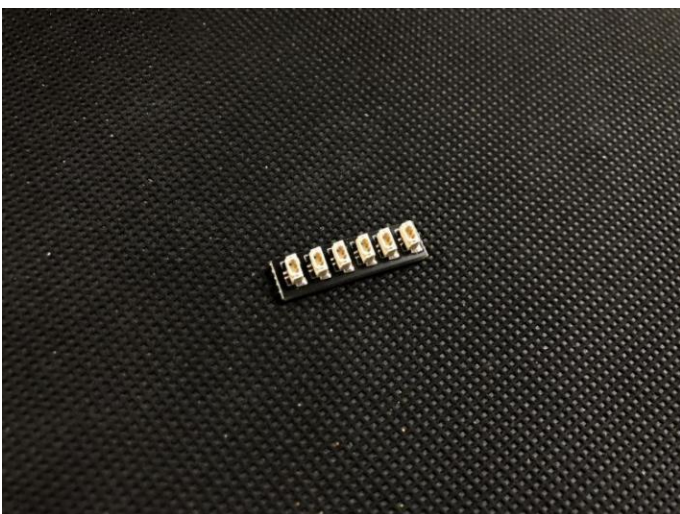
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Take a warm white 30cm dot light, thread the light through the following piece.

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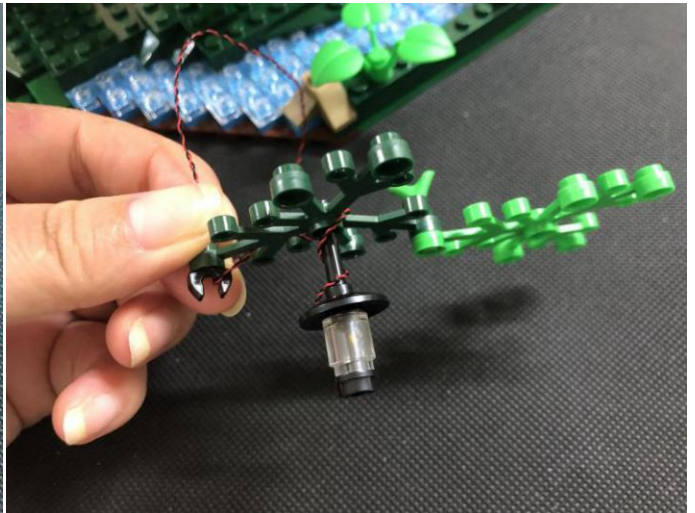
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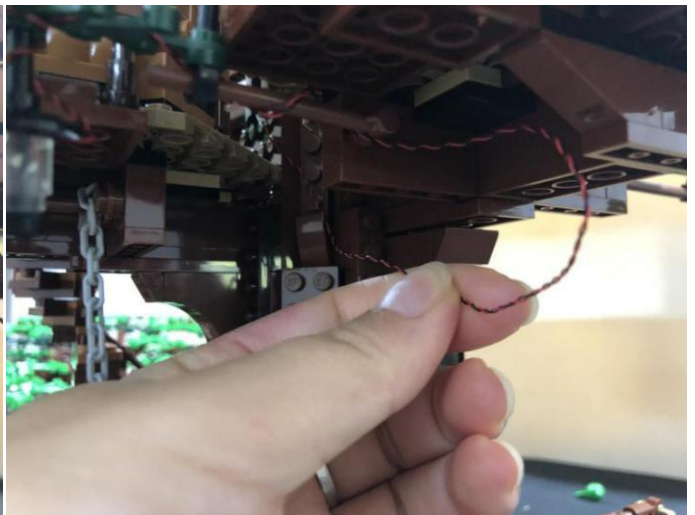
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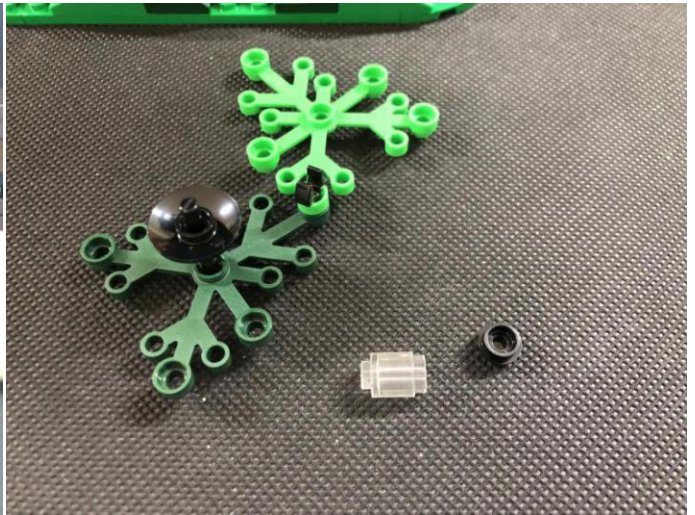
Take a warm white 30cm dot light, thread the light through the following pieces.
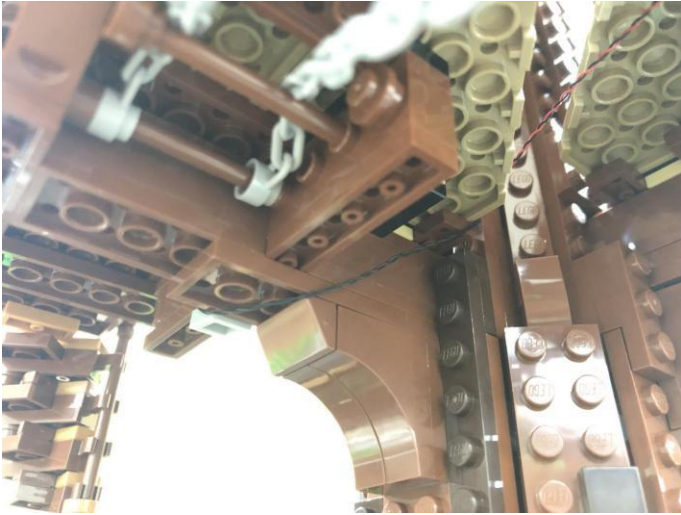

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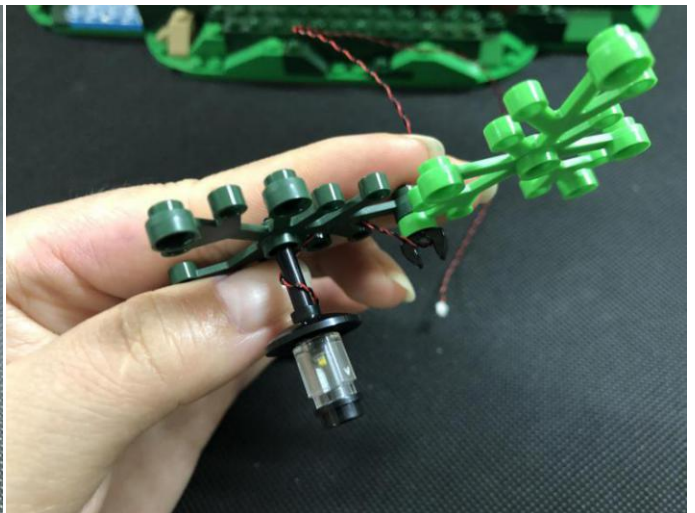
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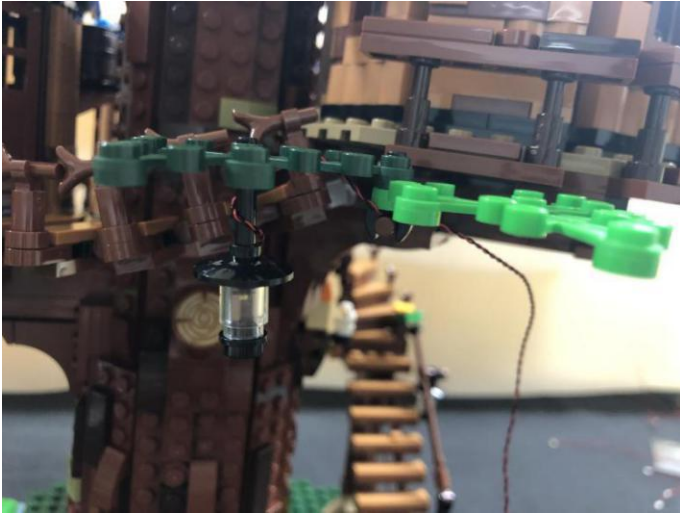
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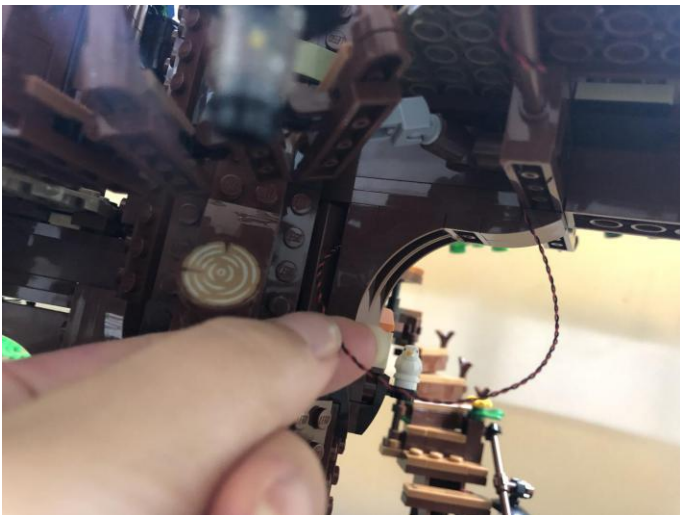
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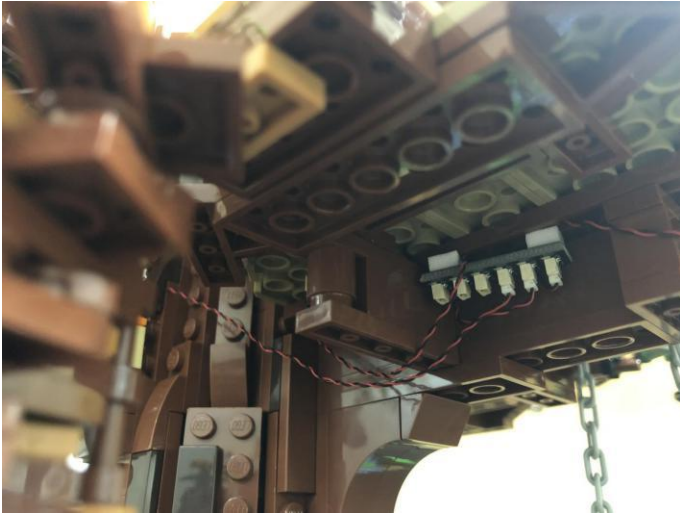
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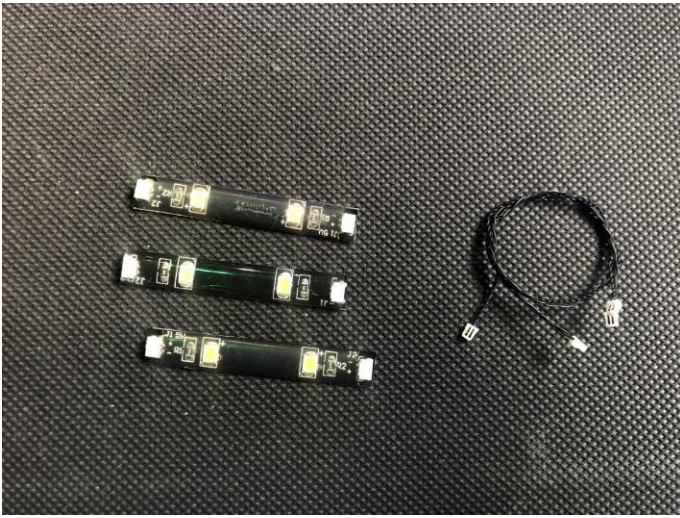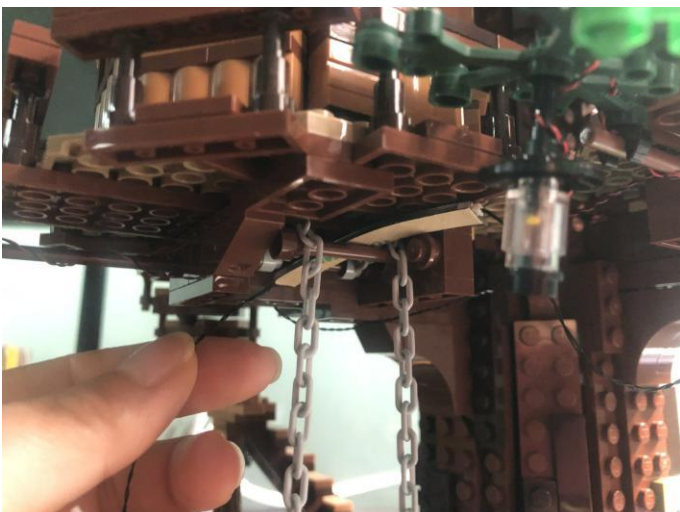**Take a 50cm connecting cable, connect it to the expansion board.**

82

83
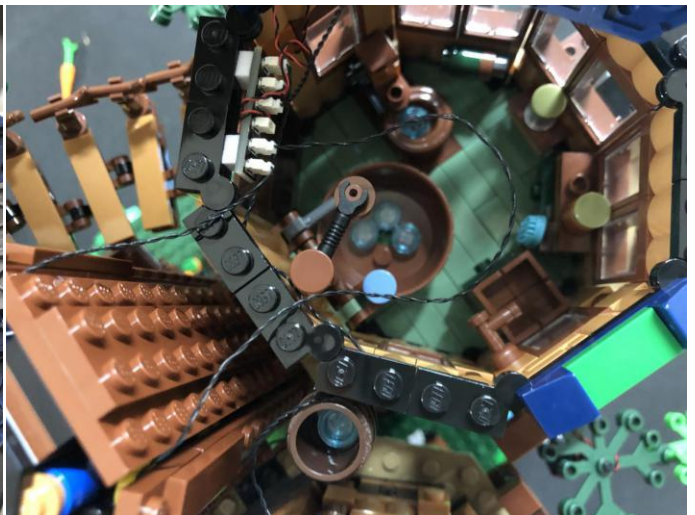
84

Take 3 warm white strip lights, two 15cm connecting cable, assemble them as per below.
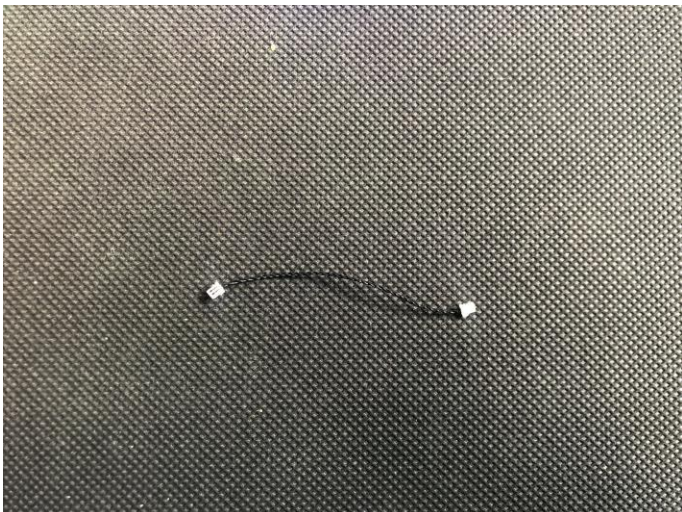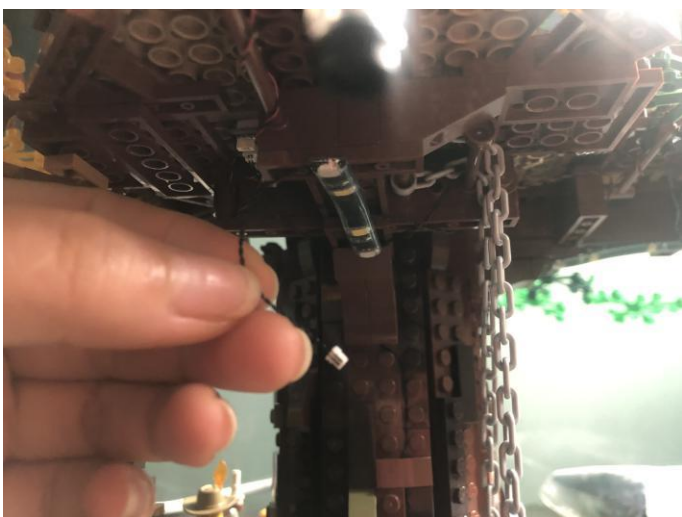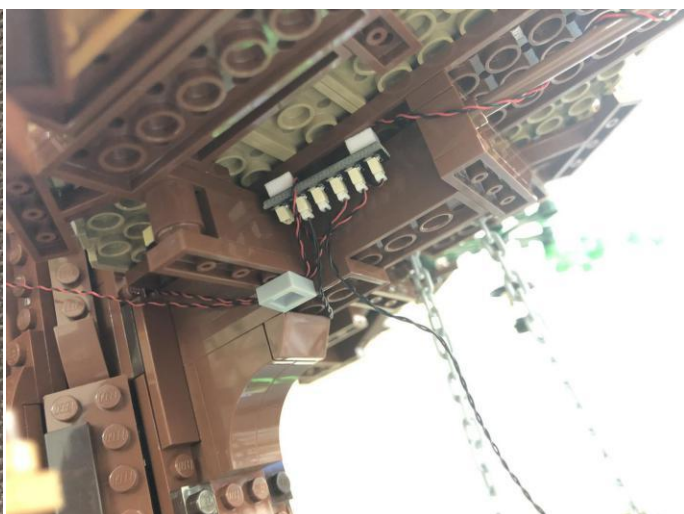

85

86

Take a 5cm connecting cable.

87

Take a 30cm connecting cable, connect it to the expansion board underneath the house.

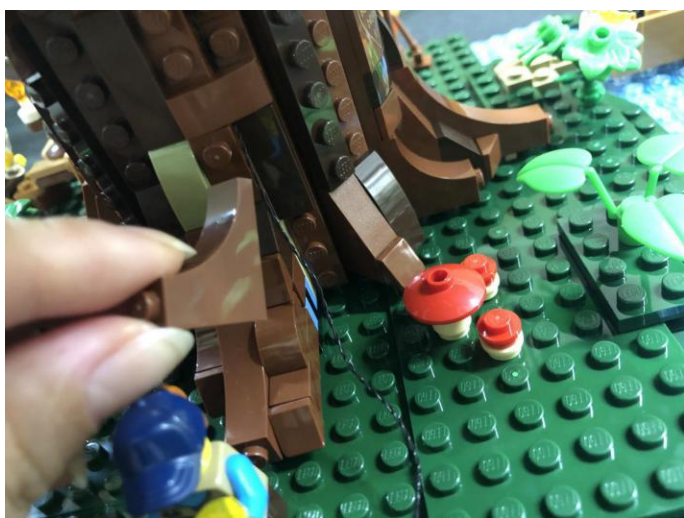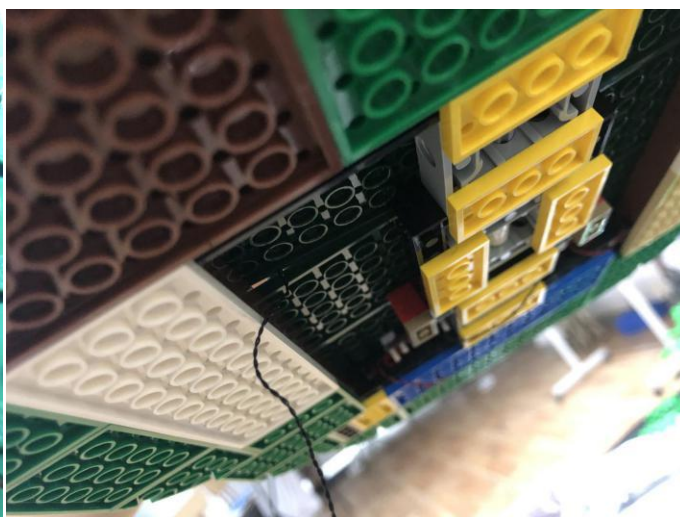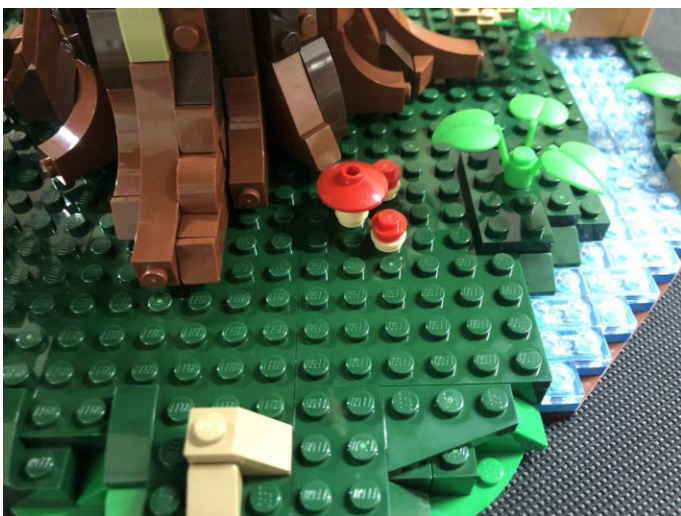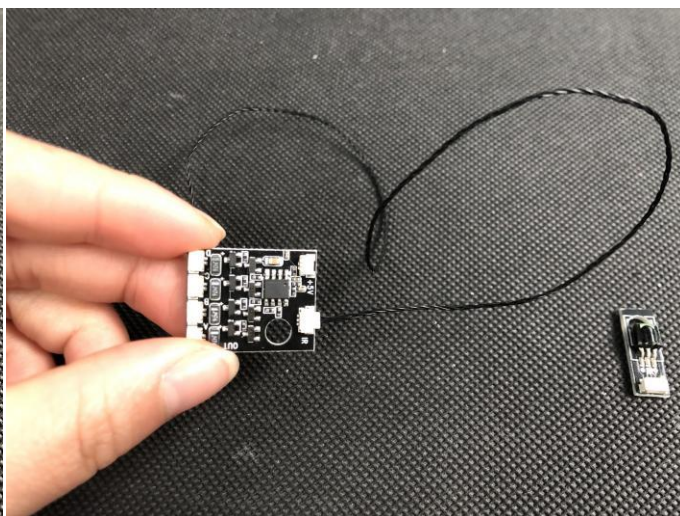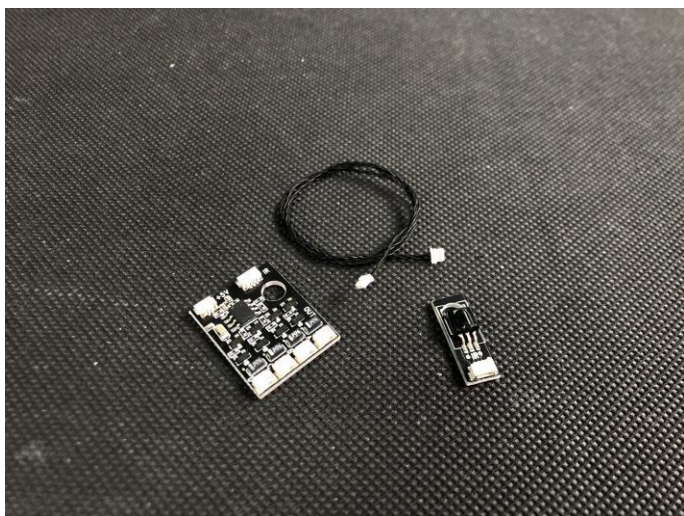**88**

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93

Take the Remote Control Switch Board, connect its cable to the board and connect the other end of the cable to the inductor.


94


Remote control function description

ON: All branches are opened
OFF: all branches are closed

A: open/close A road
B: open/close B road
C: open/close C road
D: open/close D road

FS: Turn on blinking for the last open channel
BLN:Start breathing for the last opened path

↑: Increase blinking/breathing rate
↓: Increase blinking/breathing rate

Brightness+: VIncrease brightness
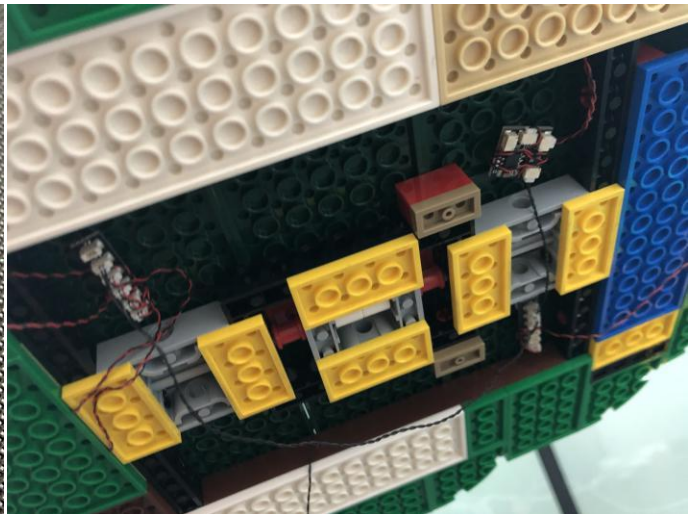Brightness -: Reduce brightness
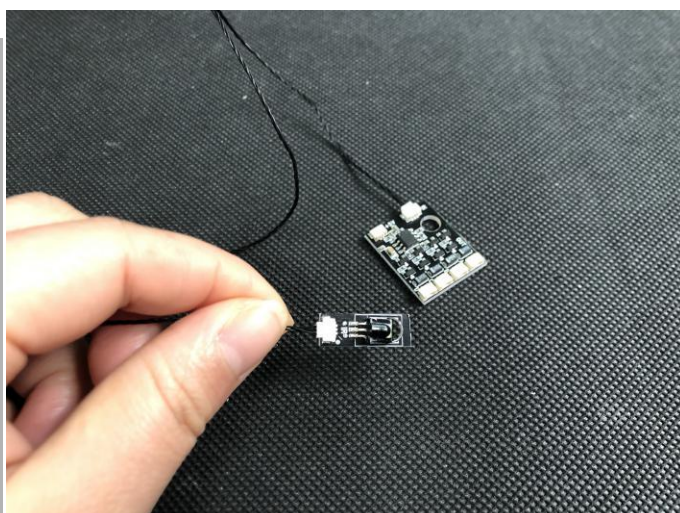
The remote control does not contain batteries, please buy a CR2025 or CR2032 button battery in the nearest store and install it in the remote control.
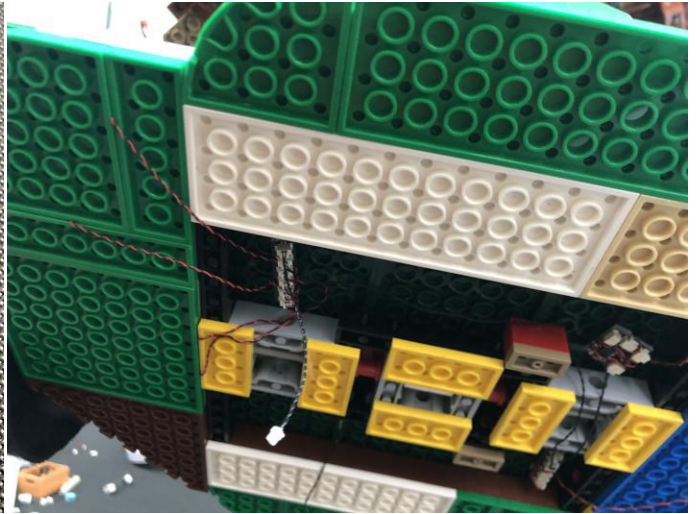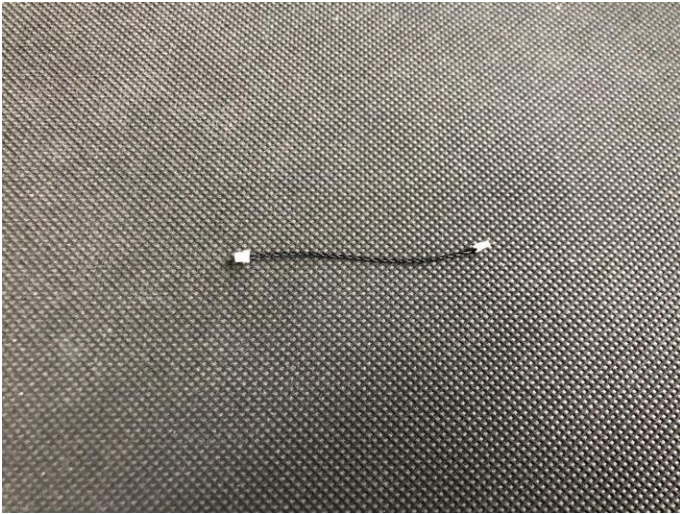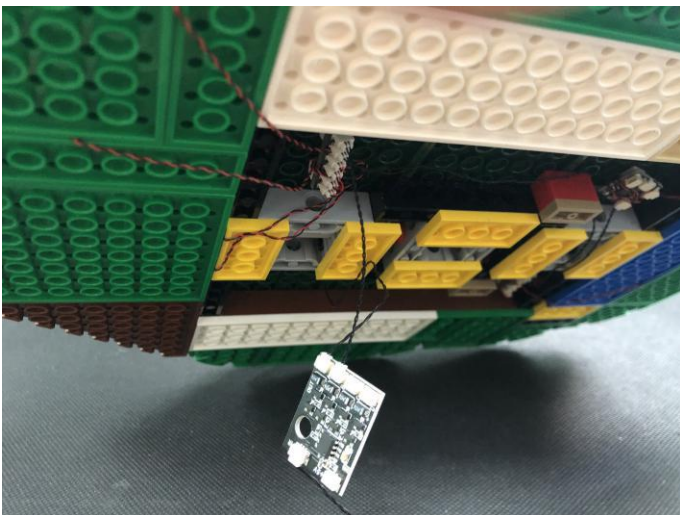

❶ push / pull

❷ push
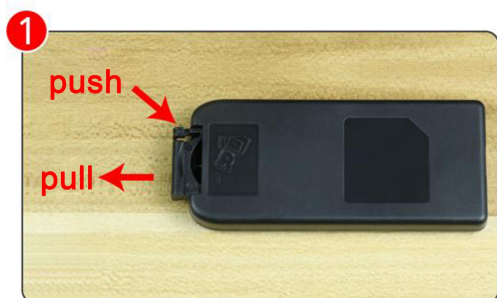
95
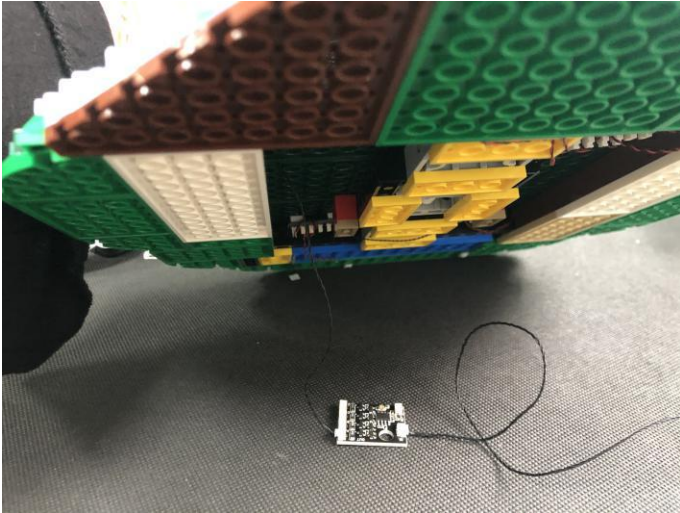
take a 15cm connecting cable, connect the expansion board from the river and the following expansion board together with the connecting cable.
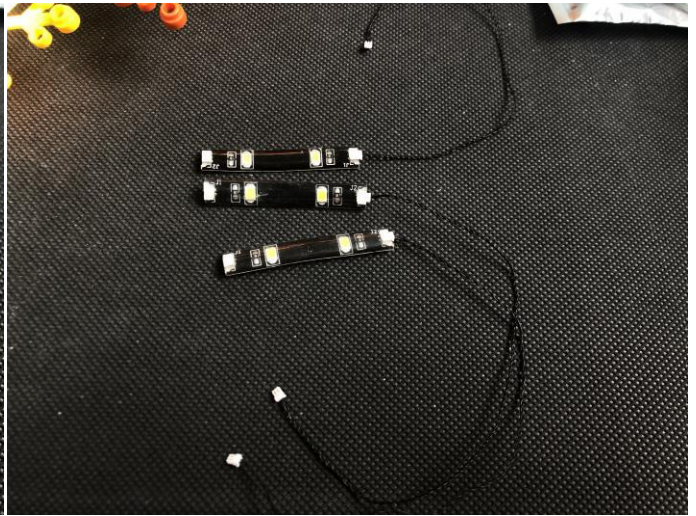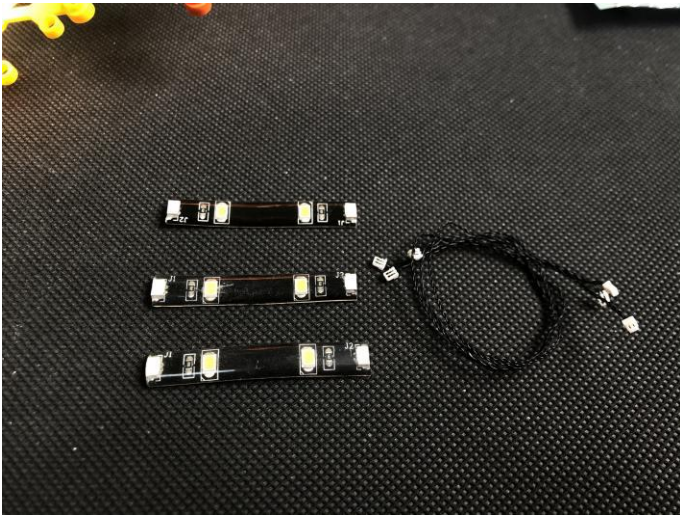
Take a 5cm connecting cable, connect it to the expansion board from the river, and connect the other end to the Remote Control Switch Board.
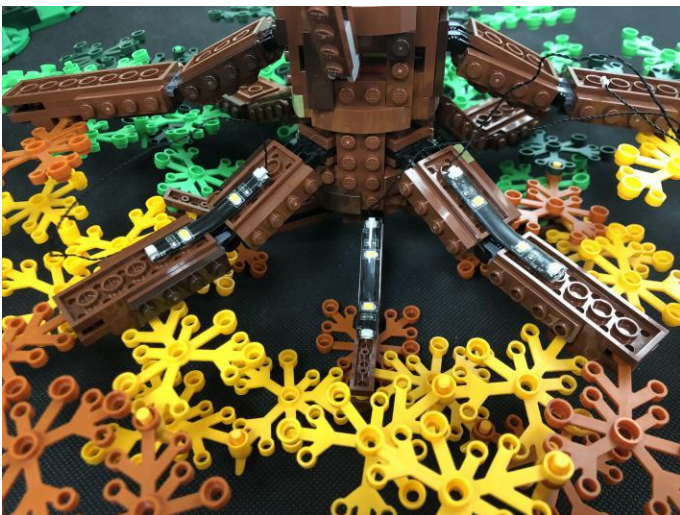

96

Take 3 warm white strip lights, three 15cm connecting cables, assemble them as per below.

97

98

Take a 8-port expansion board, connect the cables from the 3 strip lights to it.

99

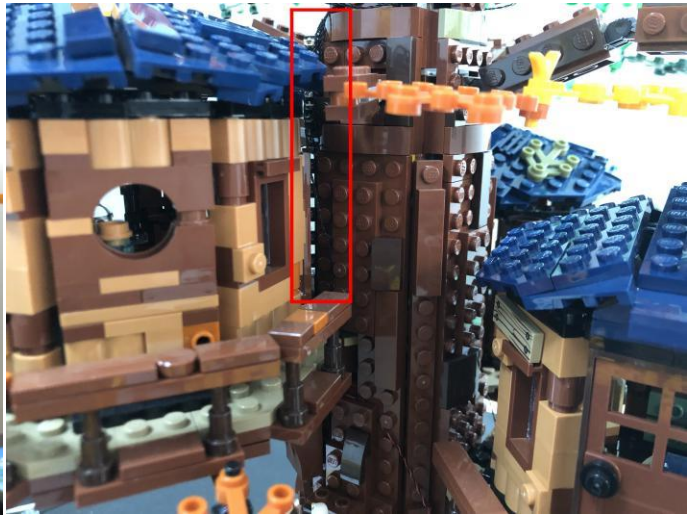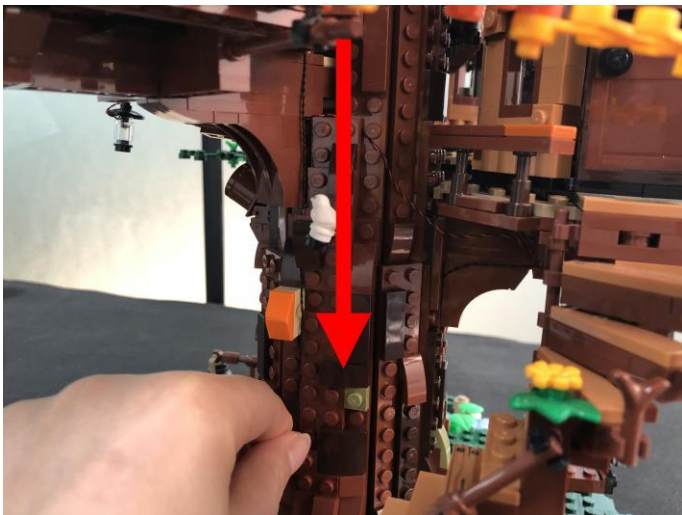**Take 3 green strip lights, and three 15cm connecting cables, assemble them as per below.**

100

101

Take a 50cm connecting cable, connect it to the expansion board.

102

103

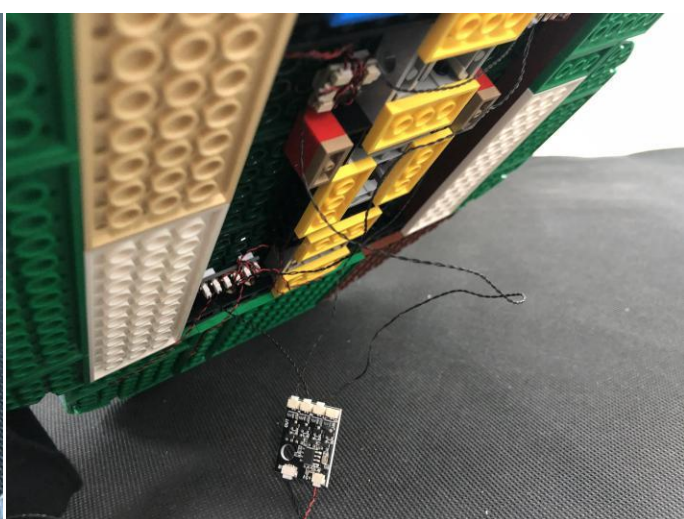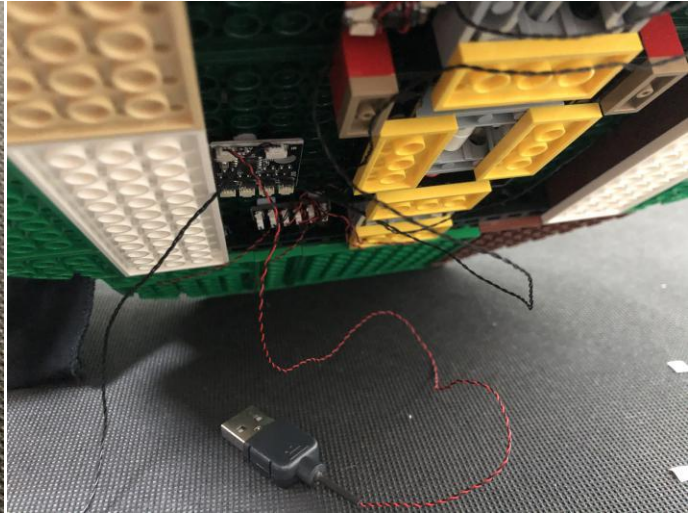
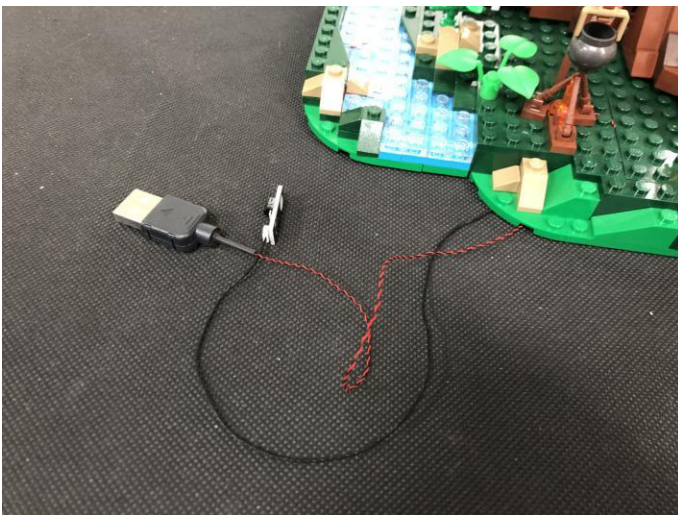**104**

105

106

107

Take the USB Cable, connect it to the Remote Control Switch Board, stick the Remote Control Switch Board to the following place.

108

Good job, you've done all the installation steps, power it up and enjoy your work.