



2019世界機關王競賽

2019 GreenMech contest

Assembly instructions of R4M contest arena

48片底層基座 (1)

48 pieces of JUMBO BASE GRID
for R4M base (1)

大底盤中間組裝與底部結合

請參照[相關連結](#)

本篇將不在贅述

(please refer to above link for
Gigo JUMBO BASE GRID installation Tutorial).

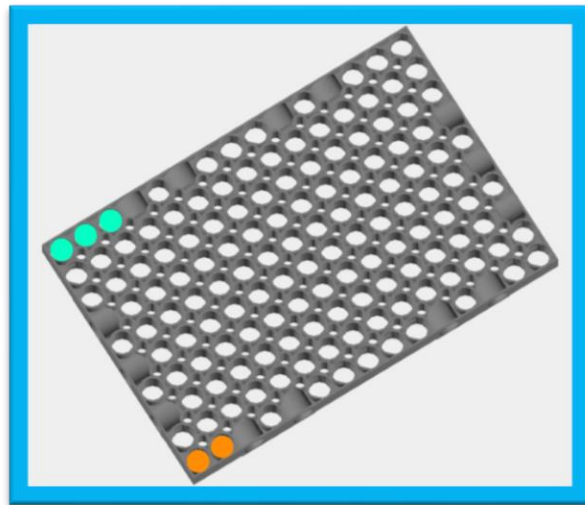
首先組裝R4M基座

由8塊(7125-W10-B1S)

大底盤組成

本步驟請重複組裝六次

Assemble 8 pieces of JUMBO BASE
GRID(7125-W10-B1S)for R4M base.
Repeat six times in this step.



特別注意本步驟要點，

由於大底盤有組裝的方向性，

請以左圖為第一塊做為基準排列。

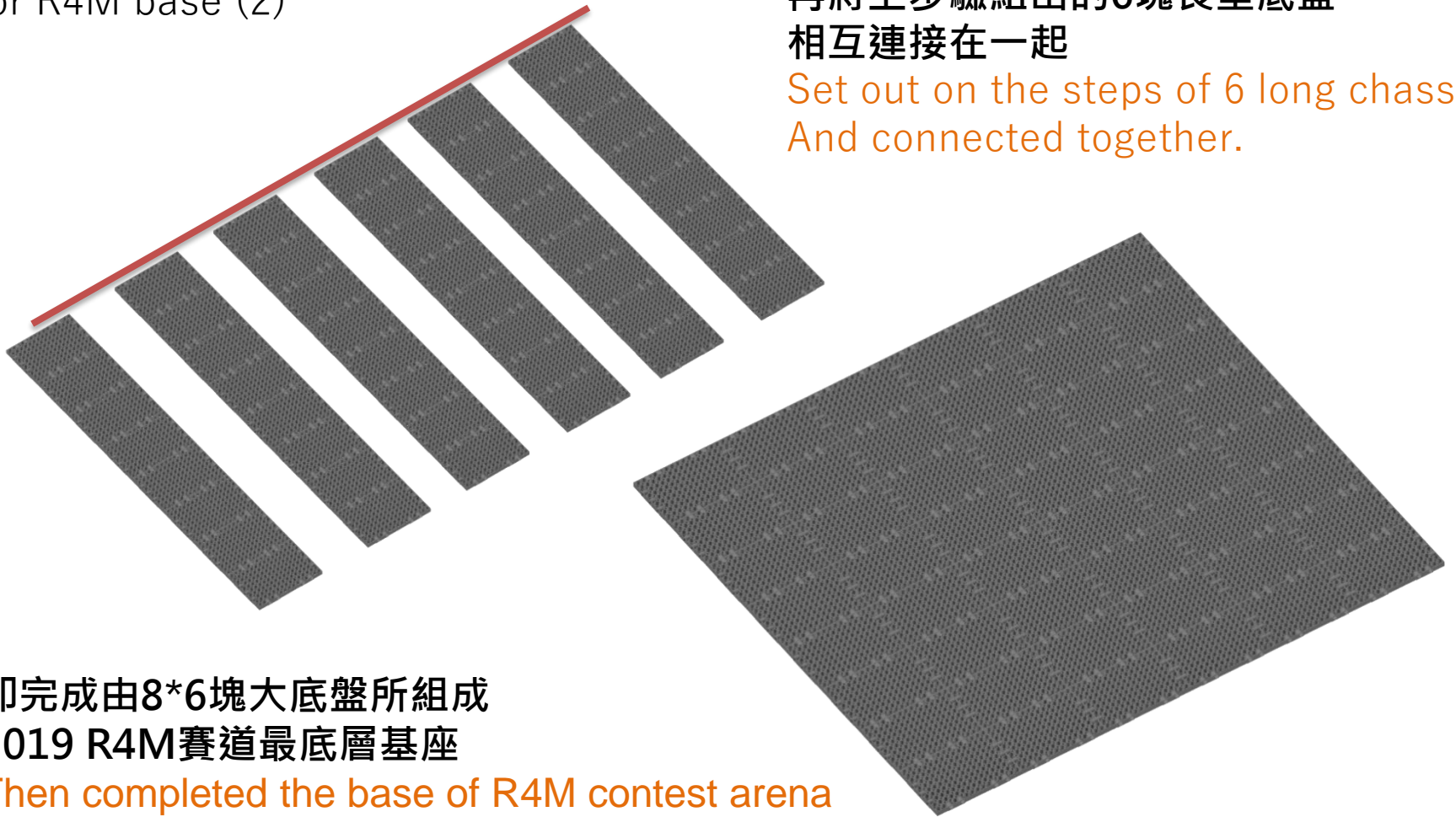
Please pay attention to the essentials of this
step, due to the large chassis assembly
direction, please use the left picture as the
first one as a reference.

48片底層基座 (2)

48 pieces of JUMBO BASE GRID
for R4M base (2)

再將上步驟組出的6塊長型底盤
相互連接在一起

Set out on the steps of 6 long chassis
And connected together.



即完成由8*6塊大底盤所組成
2019 R4M賽道最底層基座

Then completed the base of R4M contest arena
By 8X6 pieces JUMBO BASE GRID.

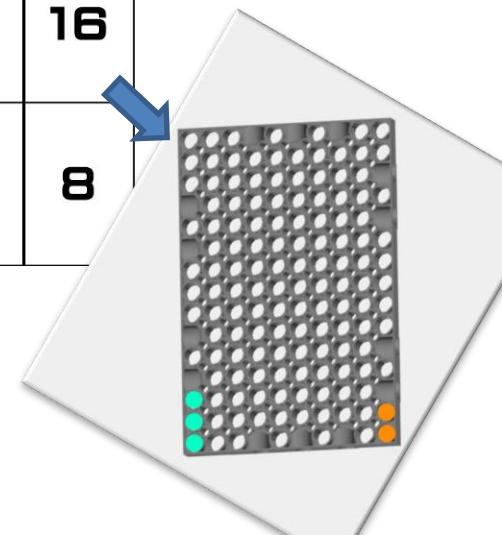
48片底層基座 (3)

48 pieces of JUMBO BASE GRID
for R4M base (3)

本篇的2019 R4M基座
在後續組裝說明中
我們將會以各基座編號
指示組裝孔位

2019R4M base of this
article, in the
subsequent assembly
instructions, we will be
the base number to
indicate the assembly
hole.

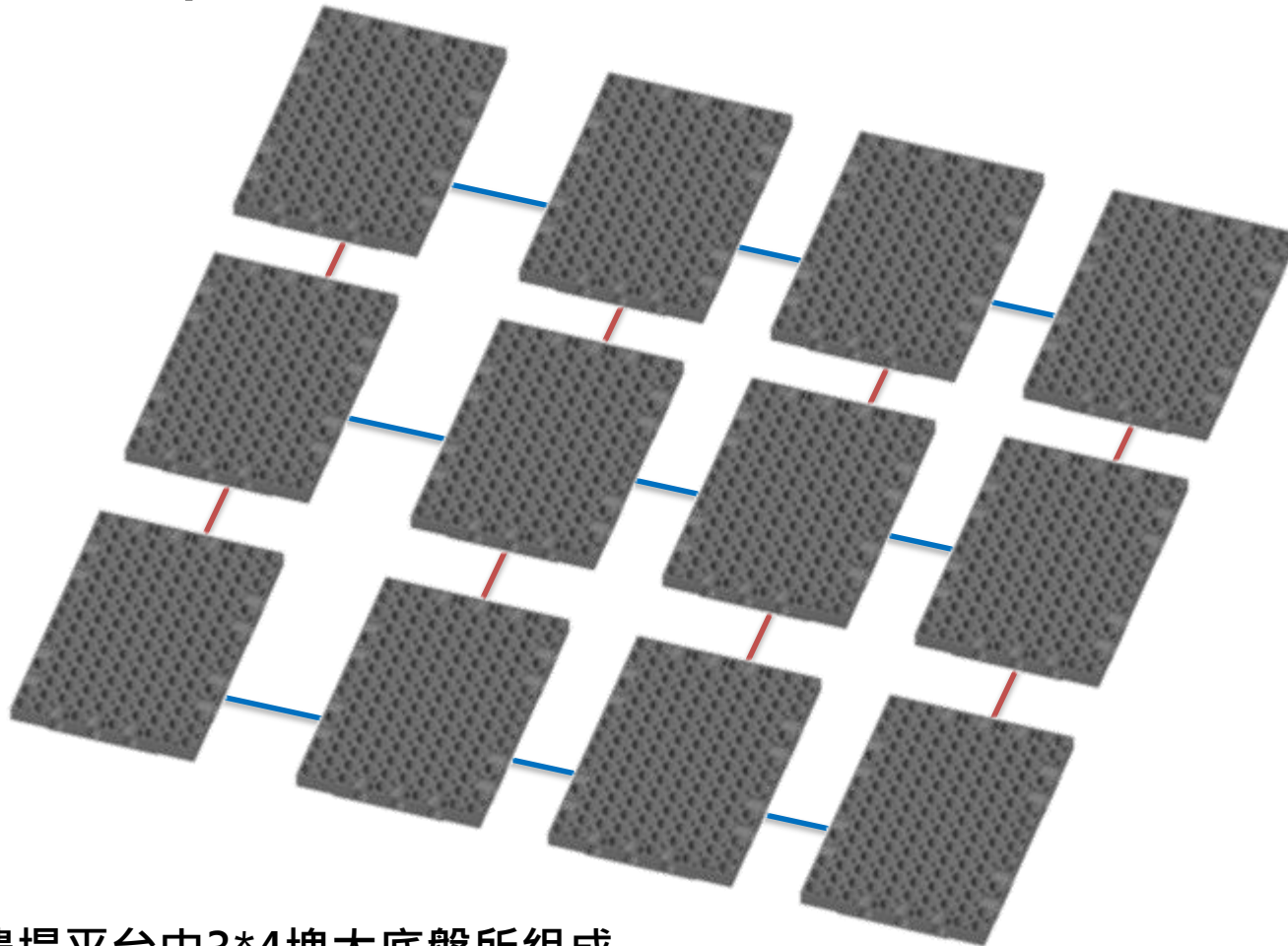
41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8



智慧農場平台 (1)

Smart farm platform(1)

41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
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智慧農場平台由3*4塊大底盤所組成

將平台完成後置於基座編號3,4,5,6,11,12,13,14,19,20,21,22上面

Smart farm platform consists of 12 large chassis and put it on R4M base of No. 3,4,5,6,11,12,13,14,19,20,21,22.

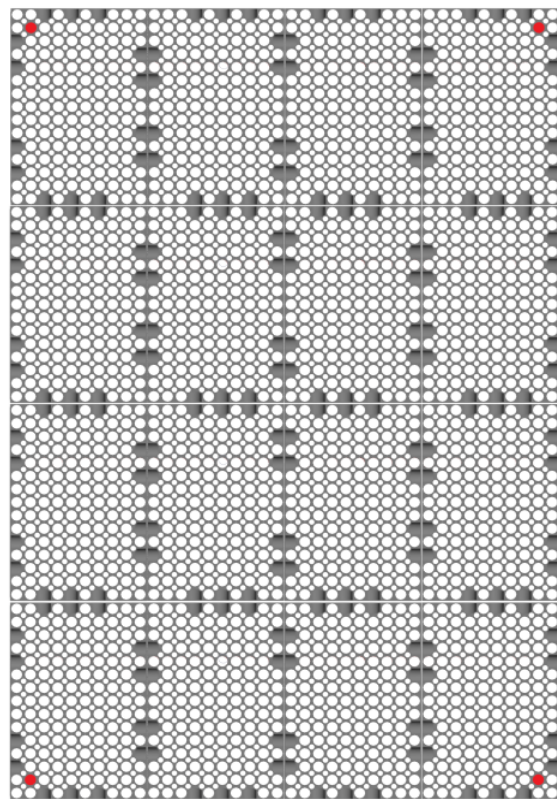
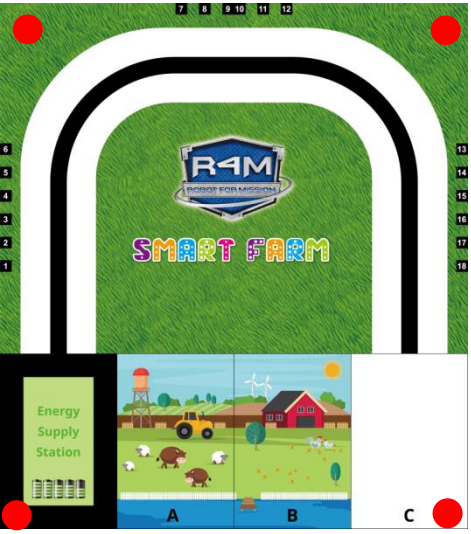
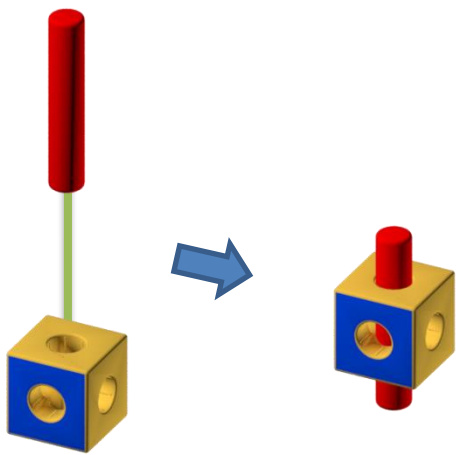
智慧農場平台 (2)

Smart farm platform(2)

請將80mm圓棒貫穿40mm正方體
組成4塊固定智慧農場的柱體
並將智慧農場圖依柱體孔位打洞後組裝在平台上
可參照:<https://build.t2t.io/ur?qr=rJu45f17E>

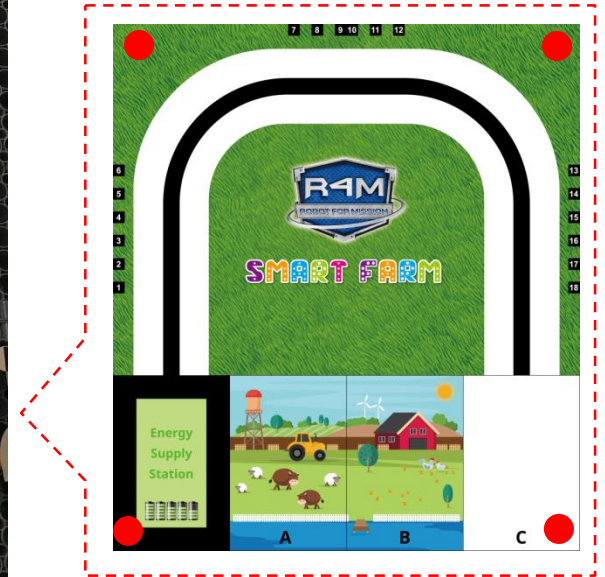
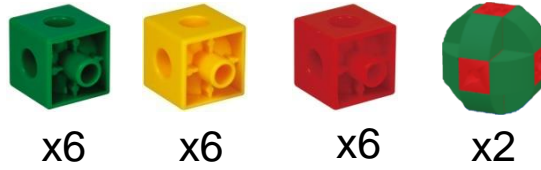
Please insert the 80mm connector through a 40mm cube to form 4 pieces fixed smart farms . and assemble

the smart farm map into the hole according to the hole of the column and assemble it on the platform. For 4 corners of position in R4M map, Please refer to <https://build.t2t.io/ur?qr=rJu45f17E>



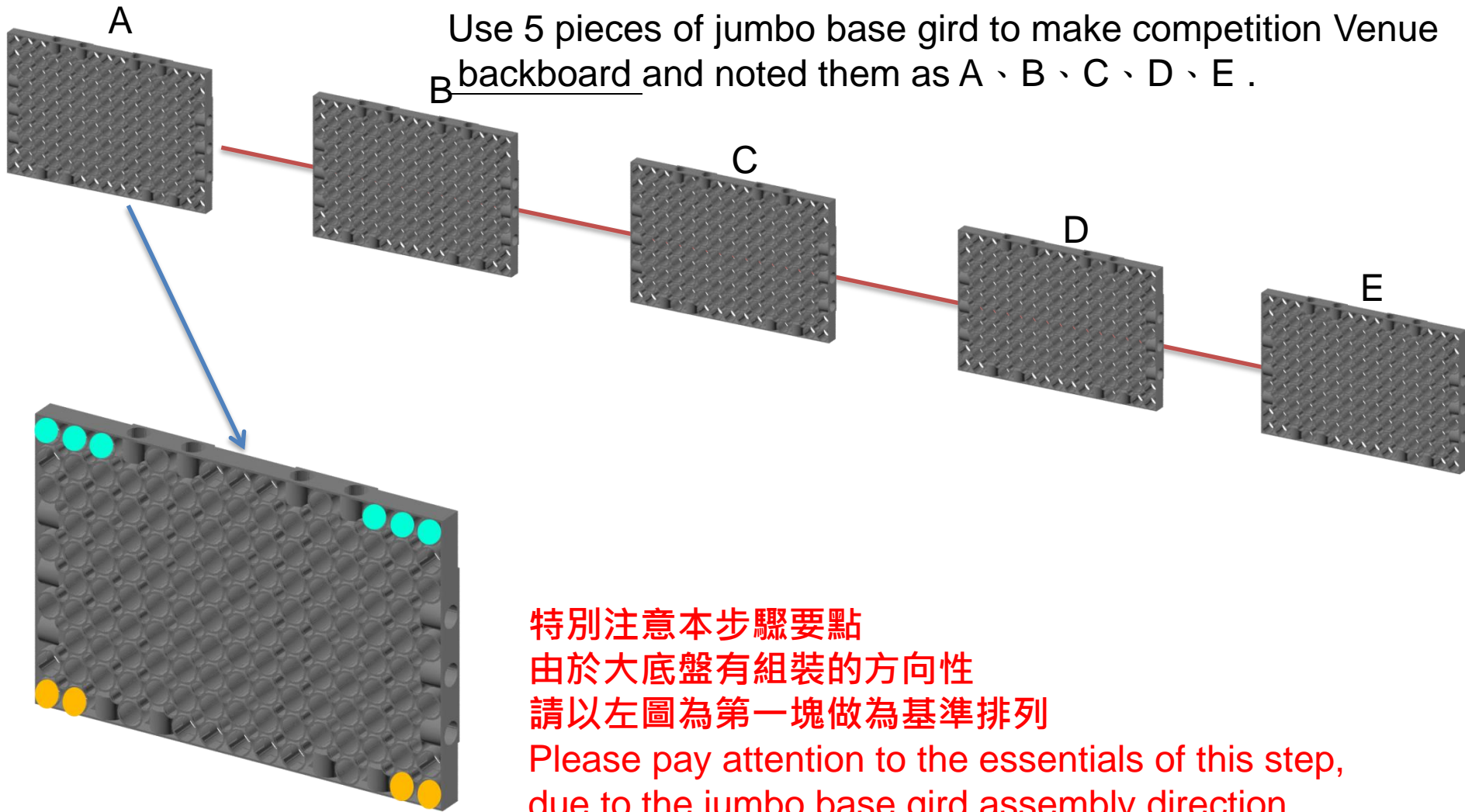
智慧農場平台 (3)

世界賽時飼料顏色將由大會隨機抽出編號1-18飼料而顏色。
The feed colors will be selected by lottery according to a serial number ranging from 1-18 for world contest.



R4M賽道背板 (1) 利用五塊大底盤組成R4M賽道背板 我們先暫將背板各區塊註記編號ABCDE

Use 5 pieces of jumbo base gird to make competition Venue
Backboard and noted them as A、B、C、D、E .



特別注意本步驟要點

由於大底盤有組裝的方向性

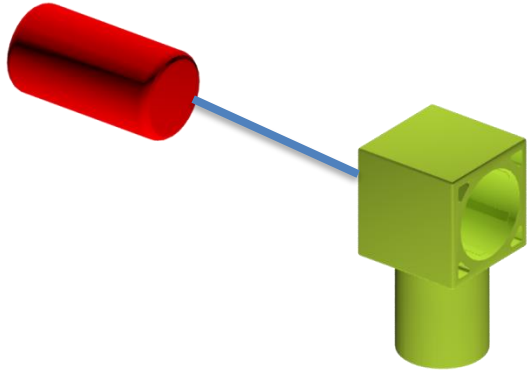
請以左圖為第一塊做為基準排列

**Please pay attention to the essentials of this step,
due to the jumbo base gird assembly direction,
please use the left piece as the first one as a reference.**

R4M賽道背板 (2)

利用90度結合器與30mm圓棒結合成一垂直組件
本步驟請製做出5個垂直組件

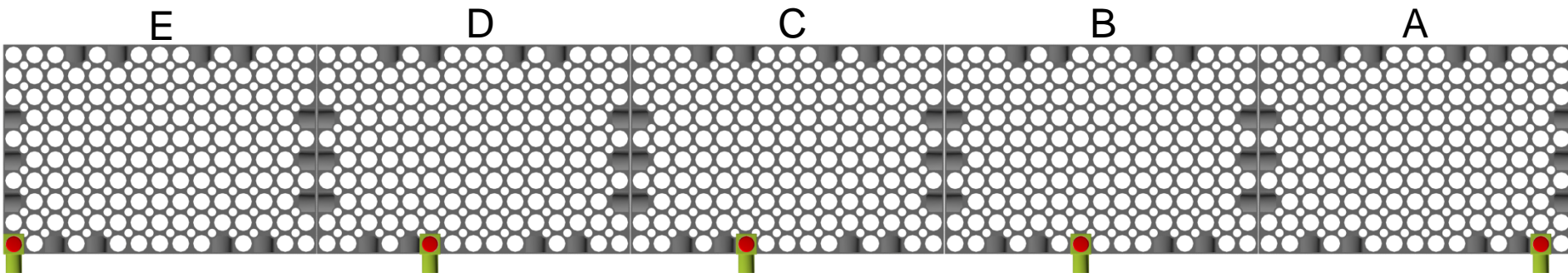
Combine LATERAL PEG(7331-W10-M1G) and 30mm CONNECTOR(7331-W11-R1R) for one set vertical component and please make 5 sets in this step.



將垂直組件插入R4M賽道背板背部形成垂直插件
Please put this vertical component into site back .

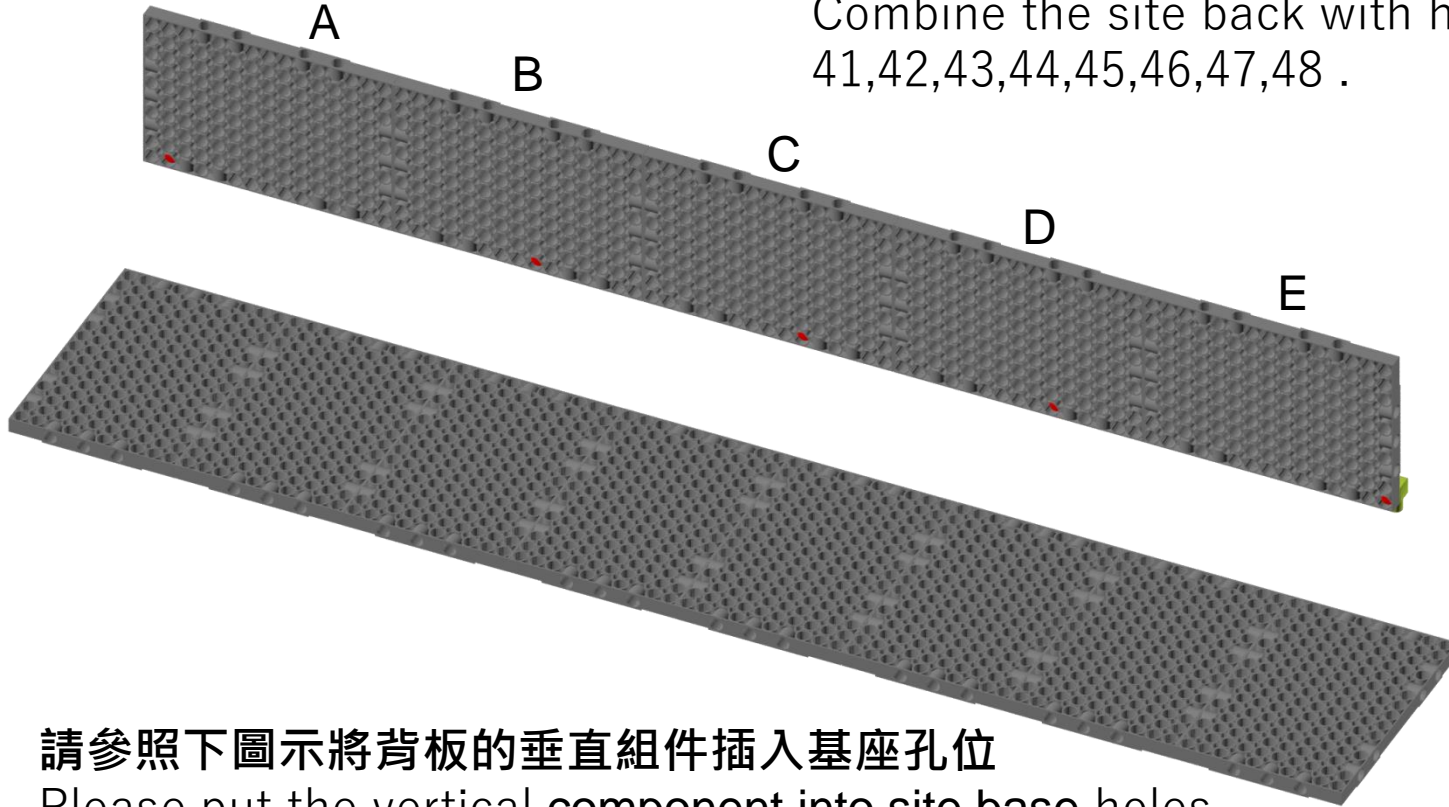
下圖為R4M賽道背板背面圖

The R4M site back, please refer to the figure below.



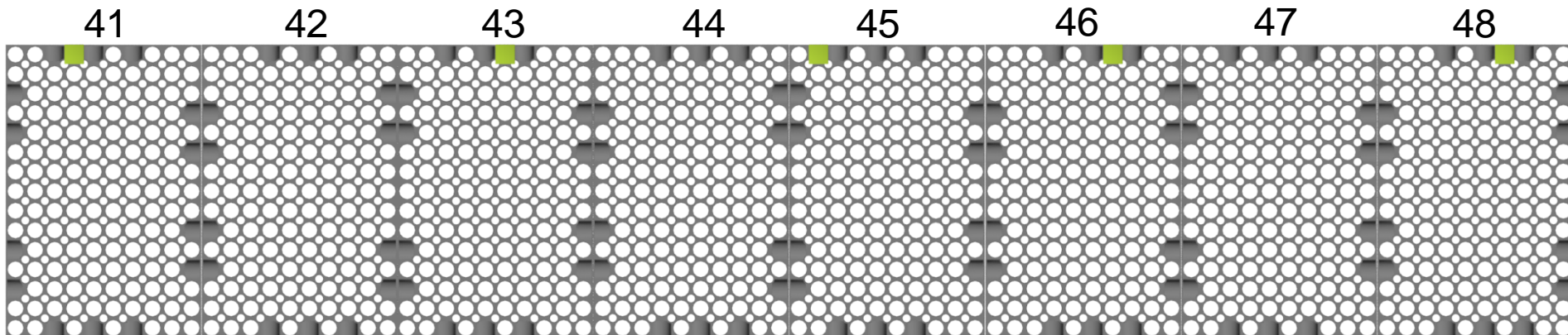
R4M賽道背板 (3)

將背板與基座編號41,42,43,44,45,46,47,48結合
Combine the site back with holes of site base num
41,42,43,44,45,46,47,48 .



41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8

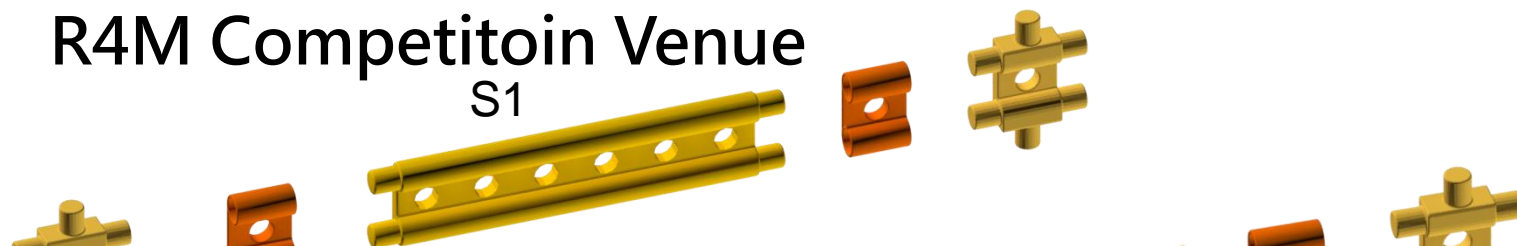
請參照下圖示將背板的垂直組件插入基座孔位
Please put the vertical component into site base holes



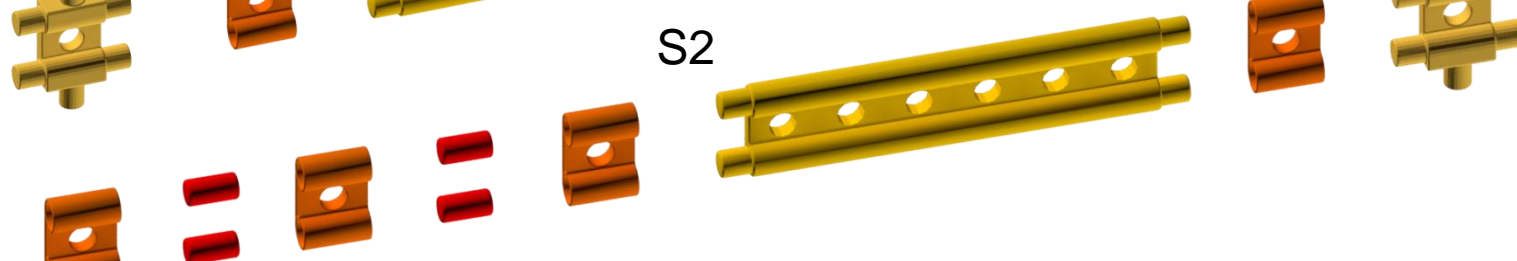
R4M賽道側牆 (1)

R4M Competiton Venue

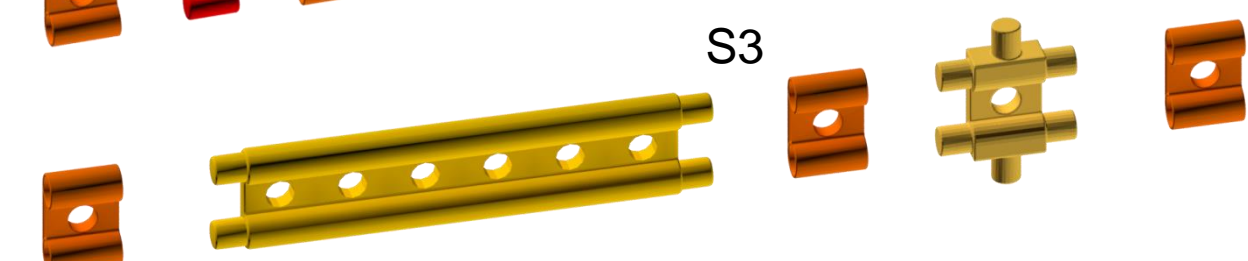
S1



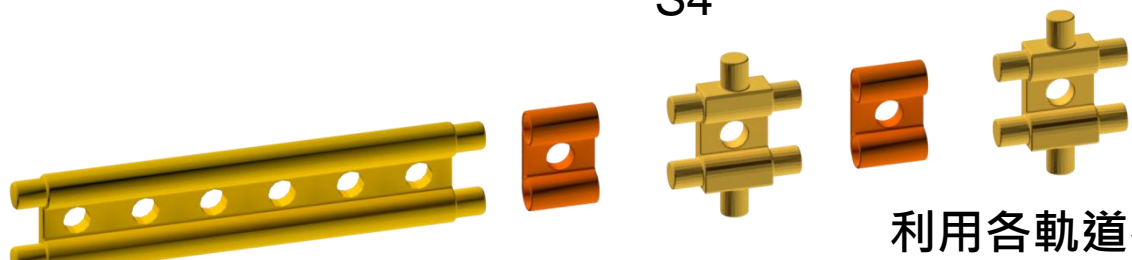
S2



S3



S4



利用各軌道零件組成R4M左右側牆
每一組件請製做成2份

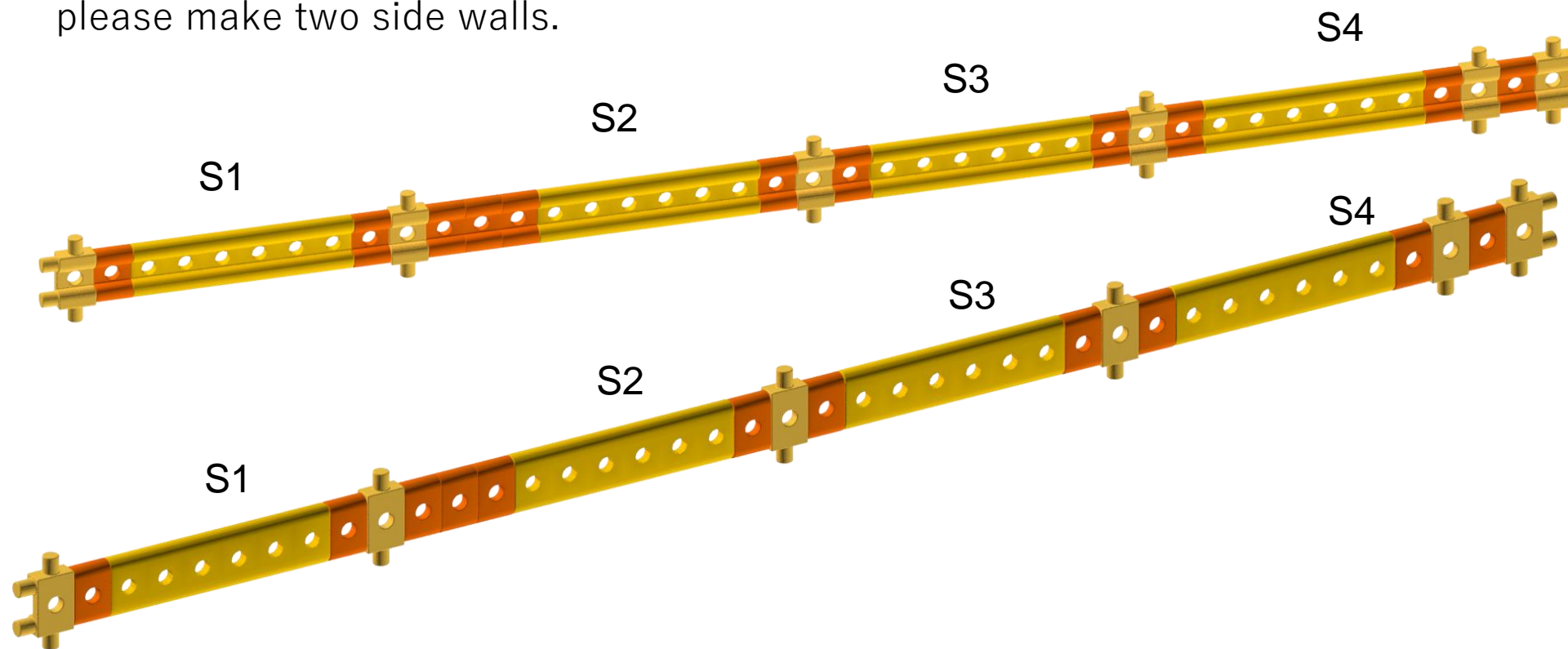
Use all track component to
assemble the left wall and right wall.
This step must be repeated to make two.

R4M賽道側牆 (2)

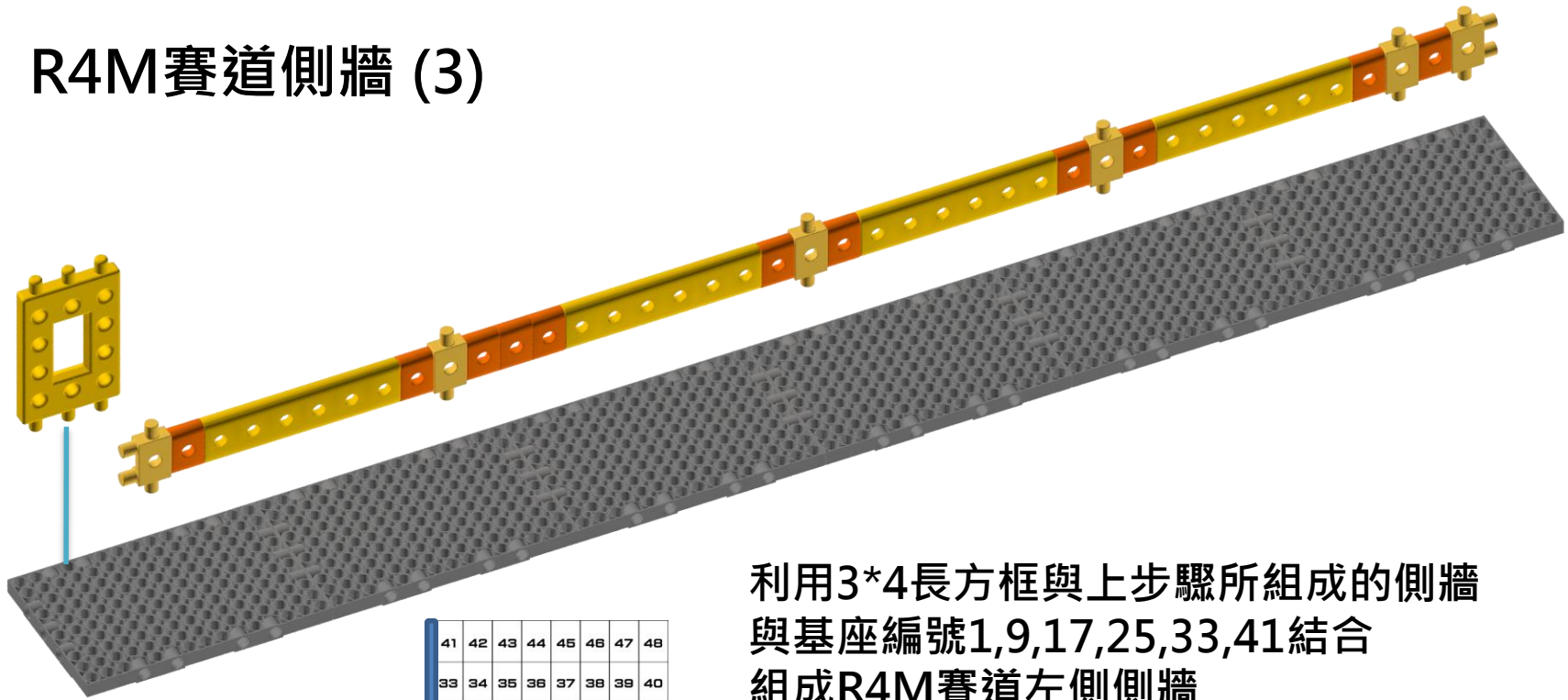
再將S1~S4組件相互結合
形成R4M側牆

由於左右側牆是對稱的
所以請製做成2份側牆

Combine S1 to S4 components together to complete side walls.
Because the left and right side walls are symmetrical,
please make two side walls.



R4M賽道側牆 (3)



41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8

利用3*4長方框與上步驟所組成的側牆
與基座編號1,9,17,25,33,41結合
組成R4M賽道左側側牆

Use the 3*4 FRAME and side walls to combine
with holes of site base number
1,9,17,25,33,41.
Complete the left side wall.

1

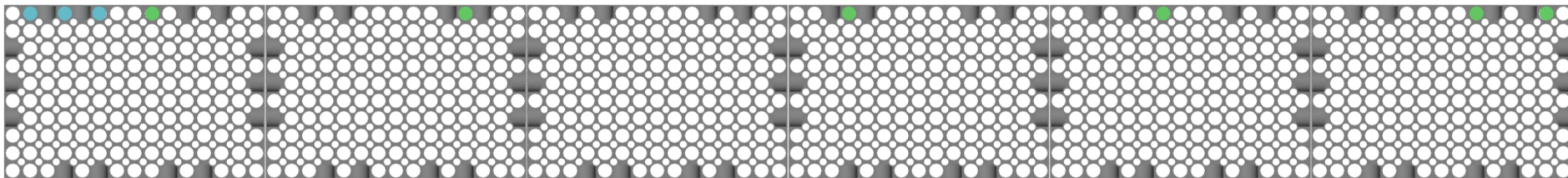
9

17

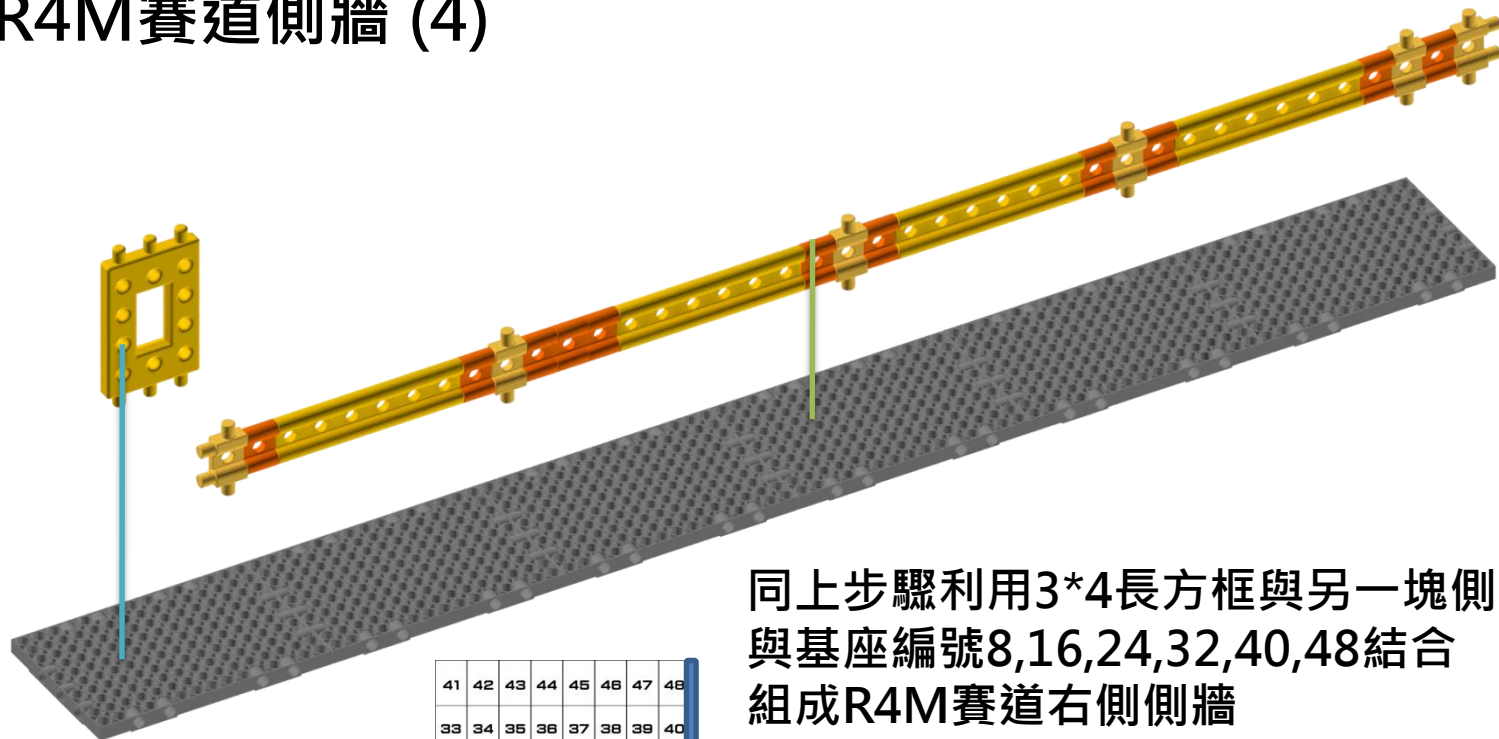
25

33

41



R4M賽道側牆 (4)



41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8

同上步驟利用3*4長方框與另一塊側牆
與基座編號8,16,24,32,40,48結合
組成R4M賽道右側側牆

Same as above, use the 3*4 FRAME and
side walls to combine with holes of site base
number 8,16,24,32,40,48.

Complete the right side wall.

8

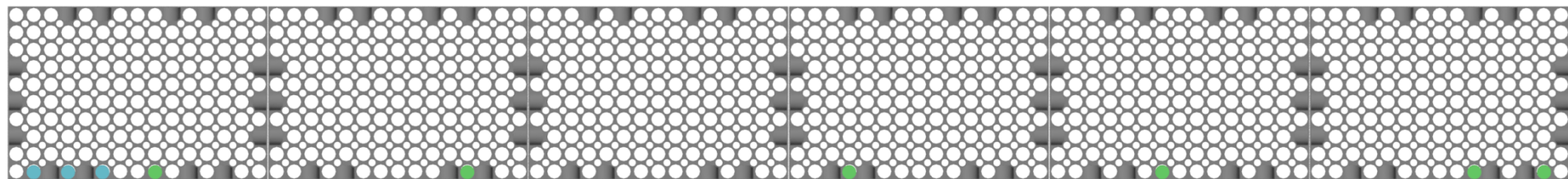
16

24

32

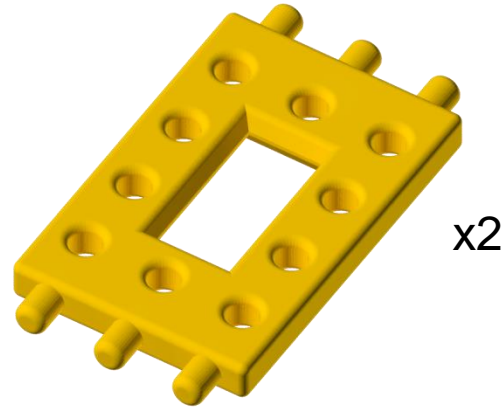
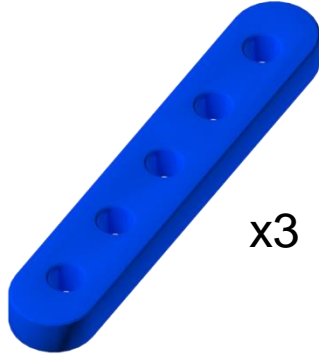
40

48

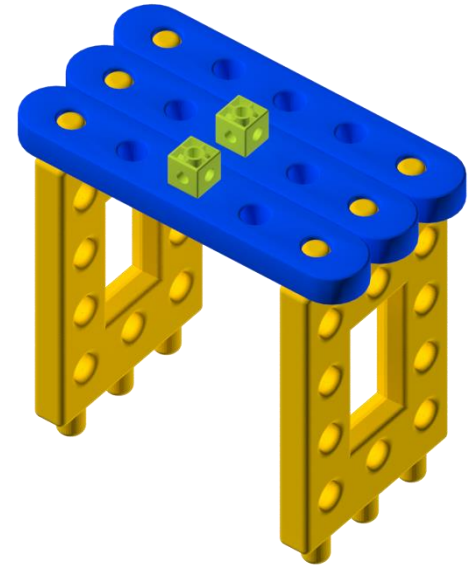
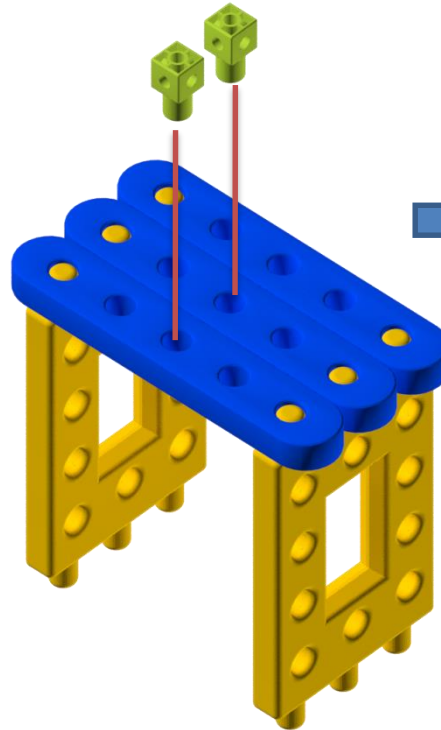
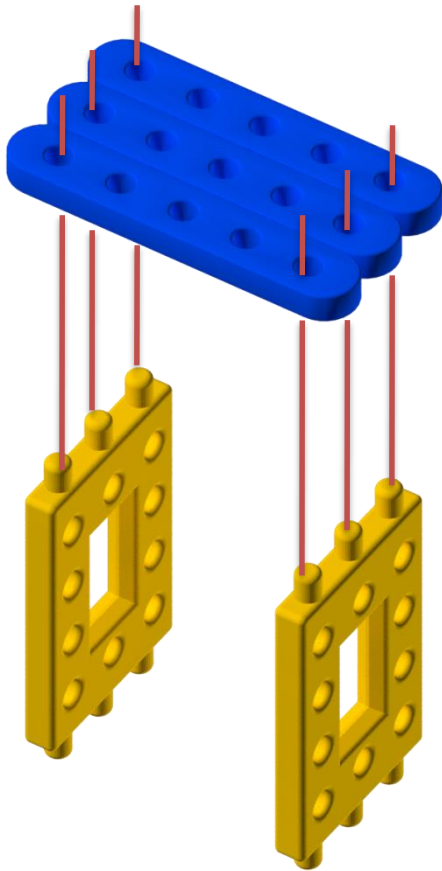


長頸鹿園區 (1)

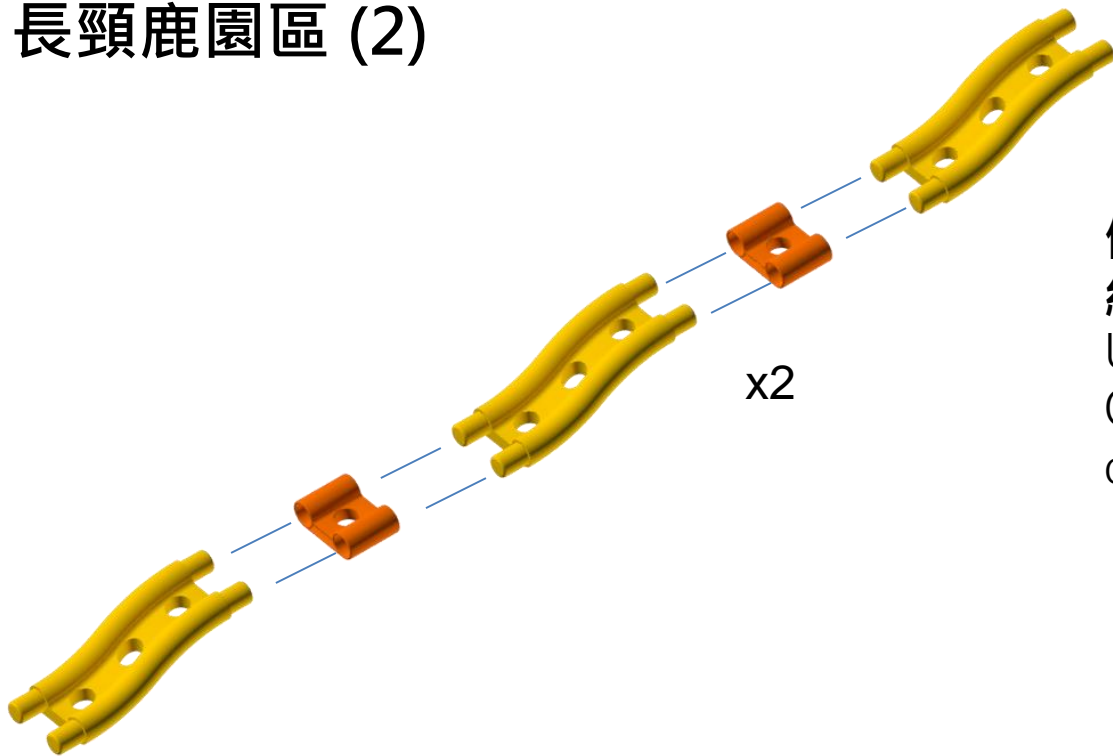
x 2
2



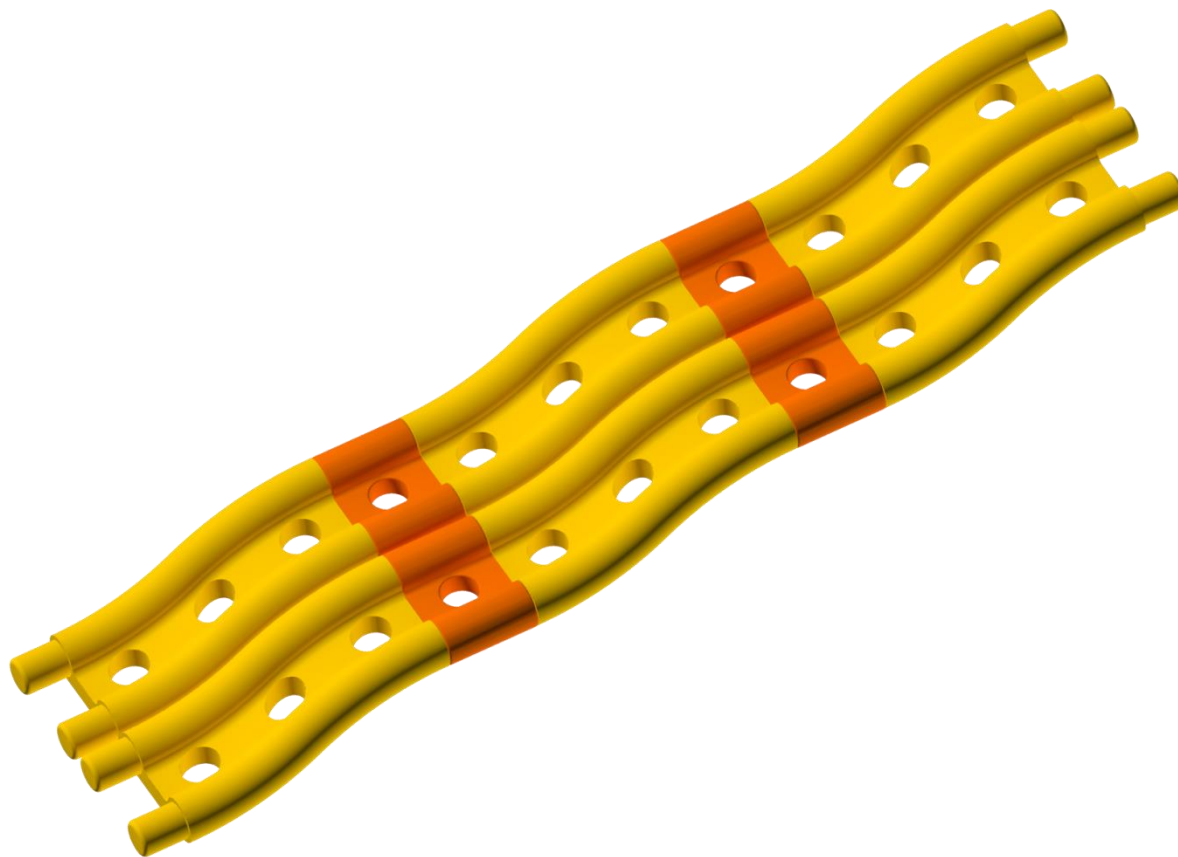
使用左列零件組成下圖物件
Use the components on the left picture to assemble the object below.



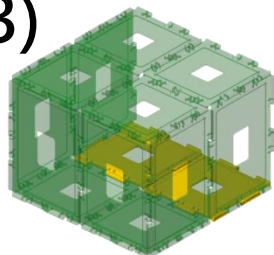
長頸鹿園區 (2)



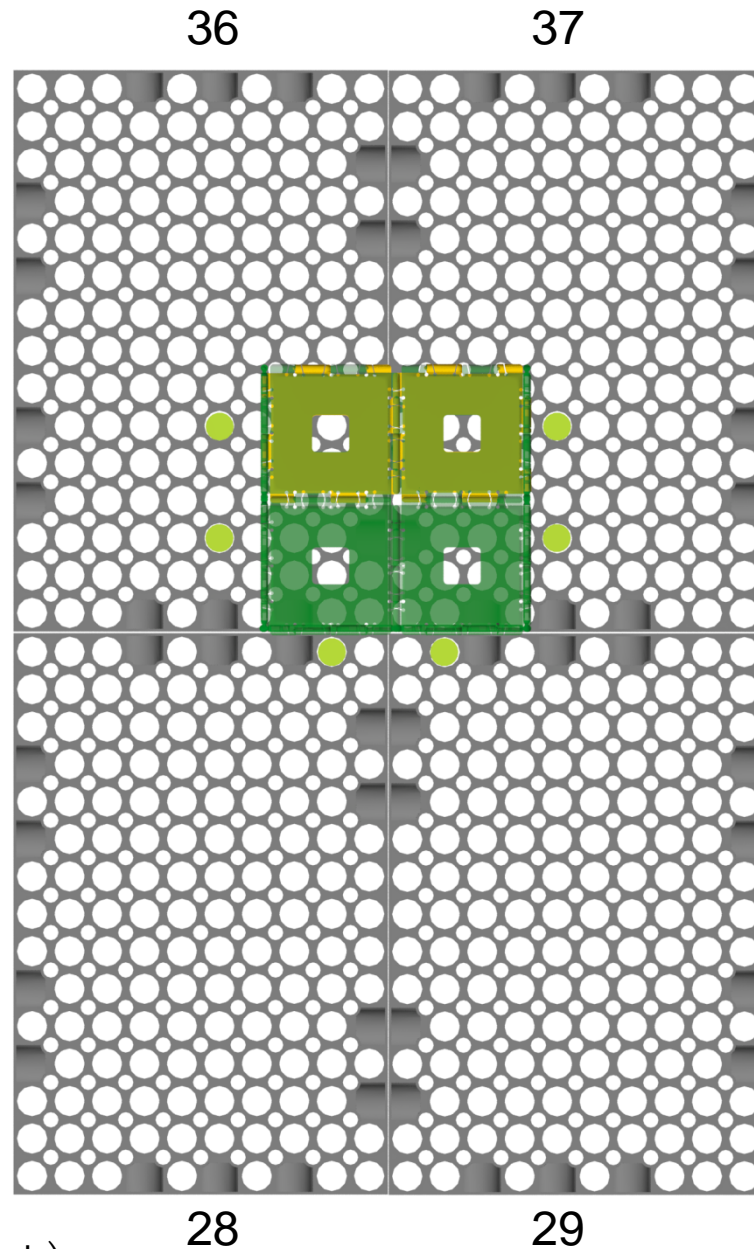
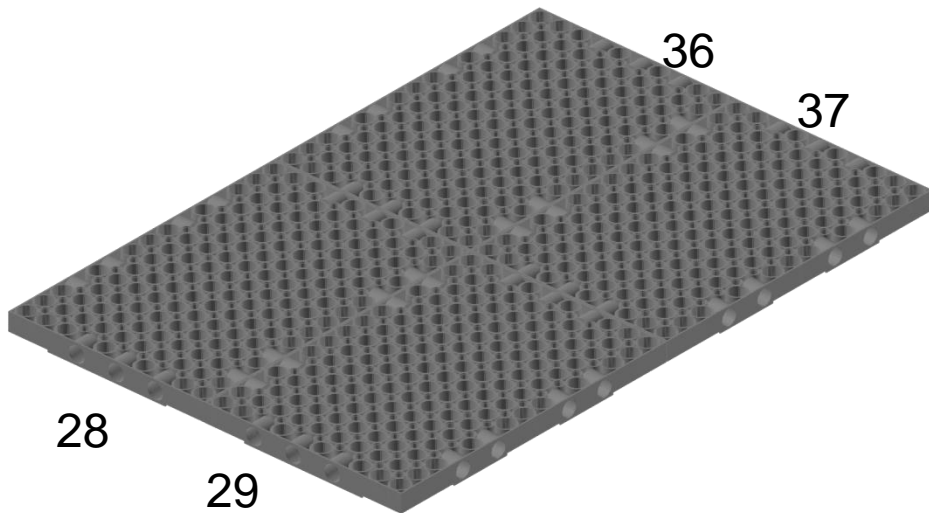
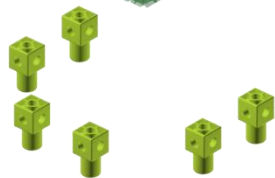
使用3孔斜坡軌道與軌道結合器
組成2組連續坡道
Use SLIDE TRACK and TRACK
CONNECTOR to assemble two
continuous ramps.



長頸鹿園區 (3)



41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8



將多向轉接器插入基座編號28,29,36,37

綠色孔位中(參照左圖)

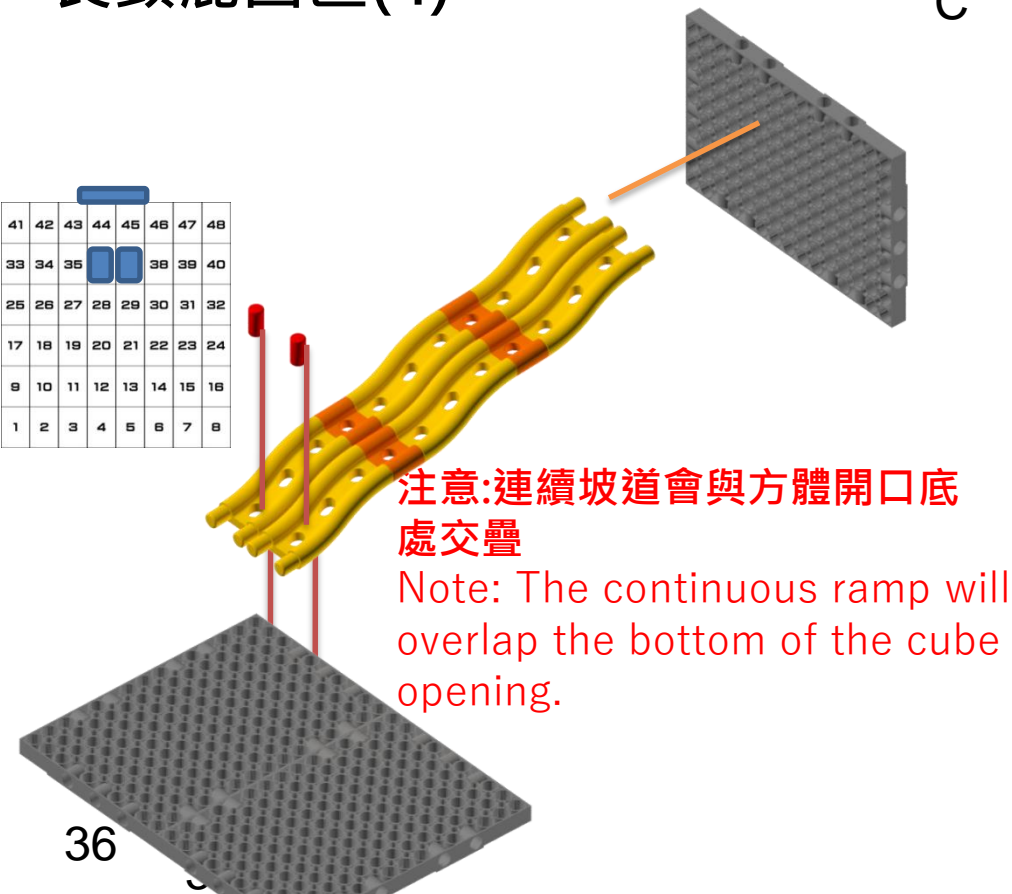
並將方體放置其中(開口處朝向背板)

Insert 2cm CUBE PEG into the green holes of base number 28,29,36,37.

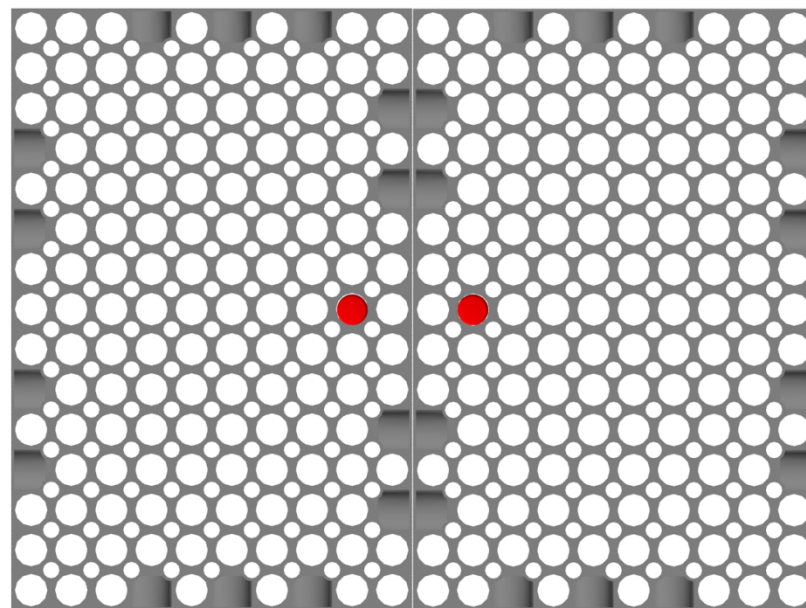
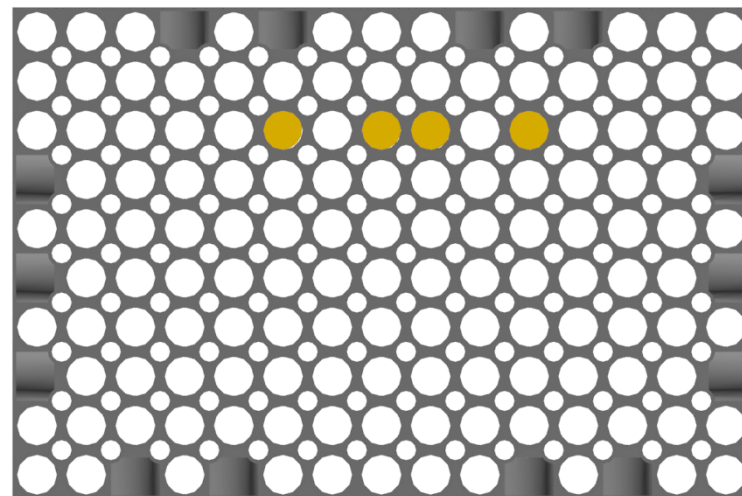
(please refer to the left picture)

And place the cube (opening toward the site back).

長頸鹿園區(4)



背板C



36

37

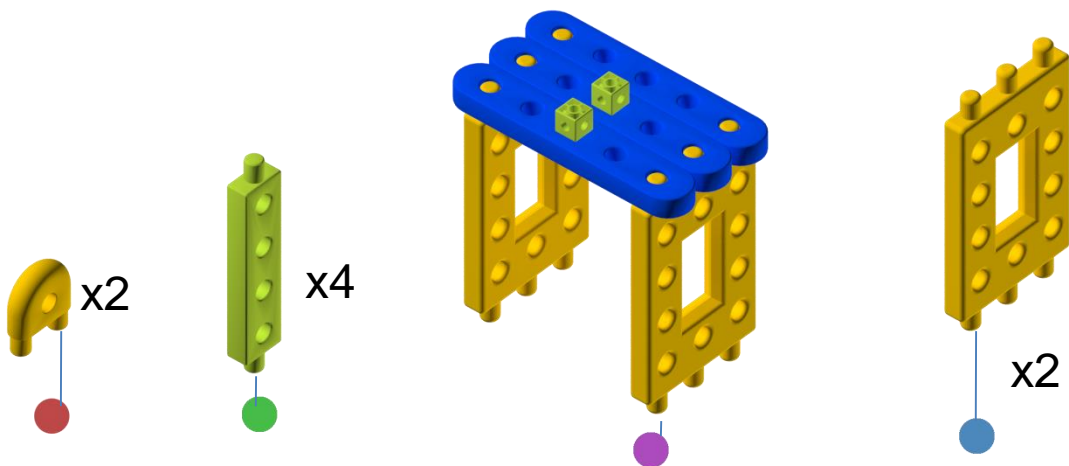
將兩組連續坡道插入背板C
並用30mm圓棒固定於基座編號36,37
請參照右圖相對應顏色孔位

Insert two continuous ramps into the site
back C and use 30mm CONNECTOR to fixed to
the base number 36,37.

Please refer to relative color holes on the right picture.

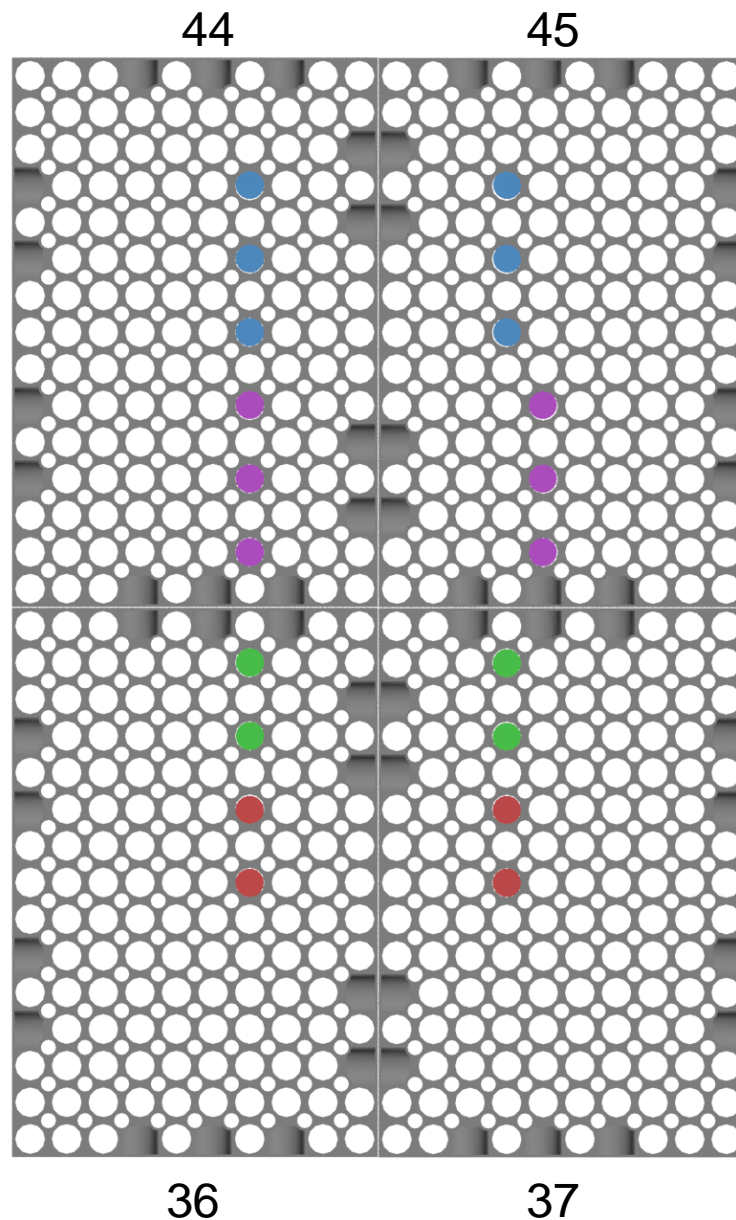
長頸鹿園區 (5)

41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8



將上列零件與組件
插入基座編號36,37,44,45
相對應顏色的孔位中

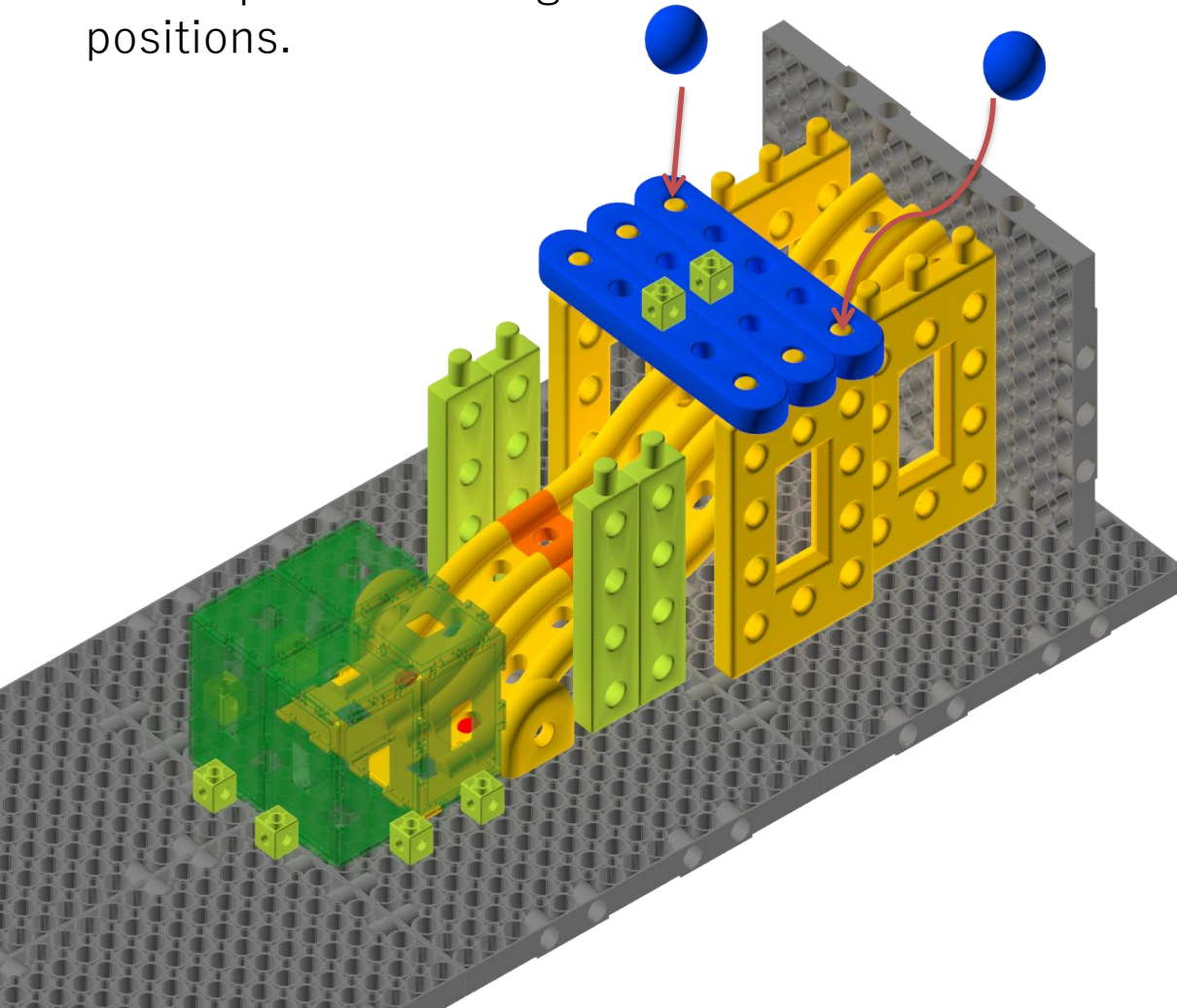
Insert the components above into the
to relative color holes of the base number 36,
37,44,45.



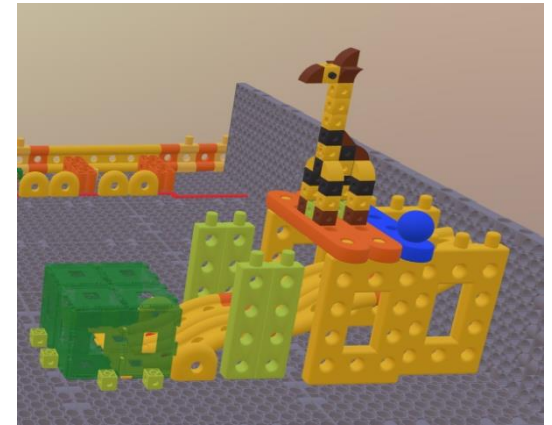
長頸鹿園區 (6)

另外再將兩顆40mm藍色圓球
放在指定位置

In addition, two 40mm BALLS
will be placed in designated
positions.



再將長頸鹿放置如圖位置



羊毛工人掛台 (1)

依下圖零件組裝成
羊毛工人吊掛台

90度結合器*1

直線結合器*1

30mm圓棒*1

4孔長條*1

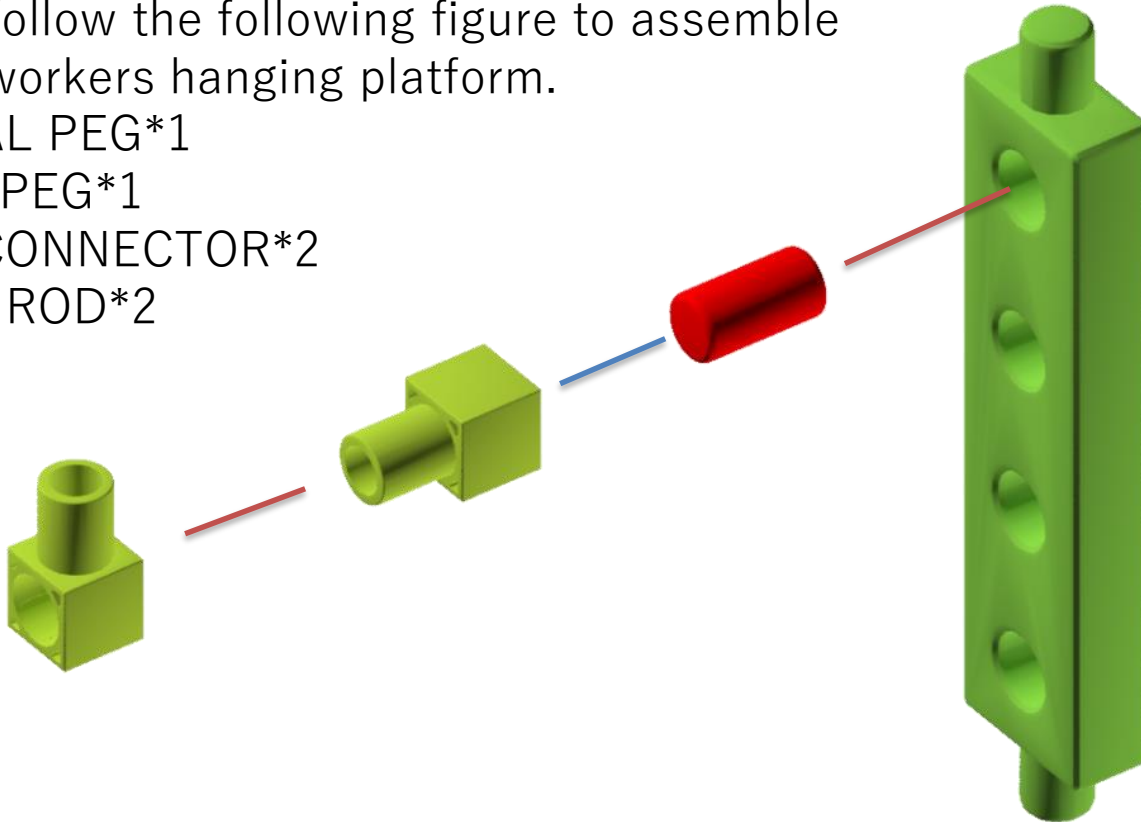
Please follow the following figure to assemble
a wool workers hanging platform.

LATERAL PEG*1

FRONT PEG*1

30mm CONNECTOR*2

4 HOLE ROD*2

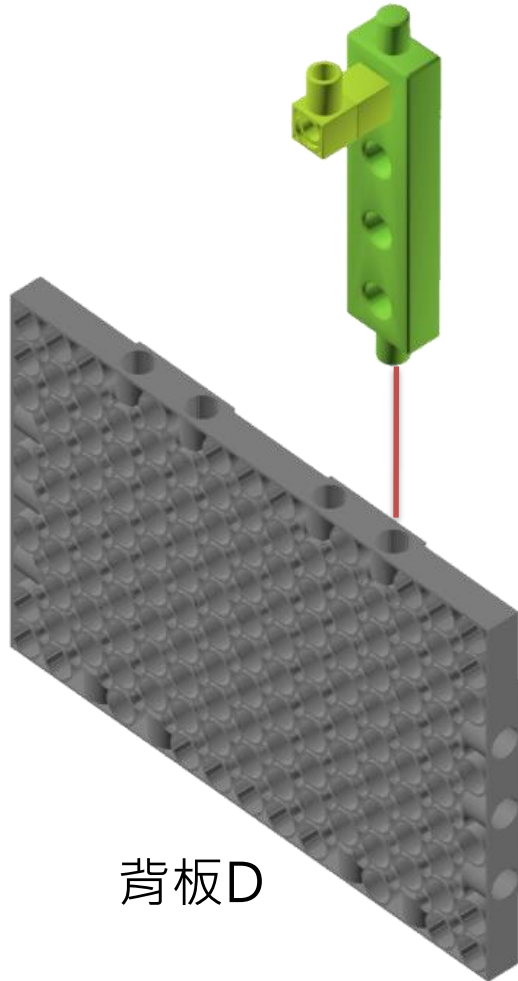


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9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8

羊毛工人掛台 (2)

將羊毛工人吊掛台插入
背板D側面孔位中



Please insert the worker hanging platform
into the side hole of the site back D.



將羊毛工人放置如圖位置



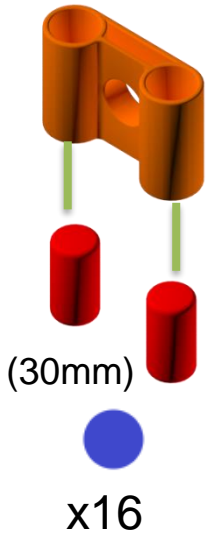
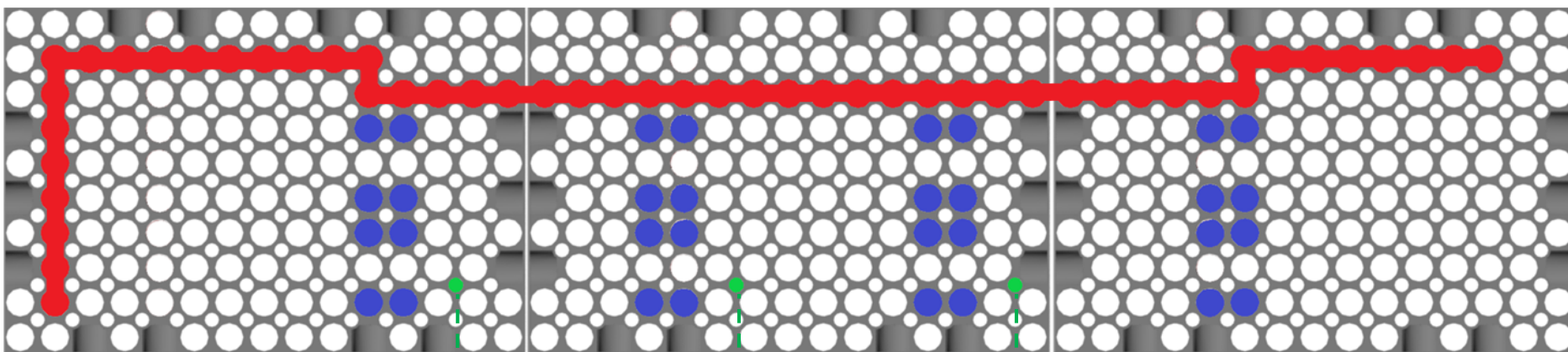
飼料黃1、綠1、紅1(含休息區)

41	42	43	44	45	46	47	
33	34	35	36	37	38	39	
25	26	27	28	29	30	31	
17	18	19	20	21	22	23	24
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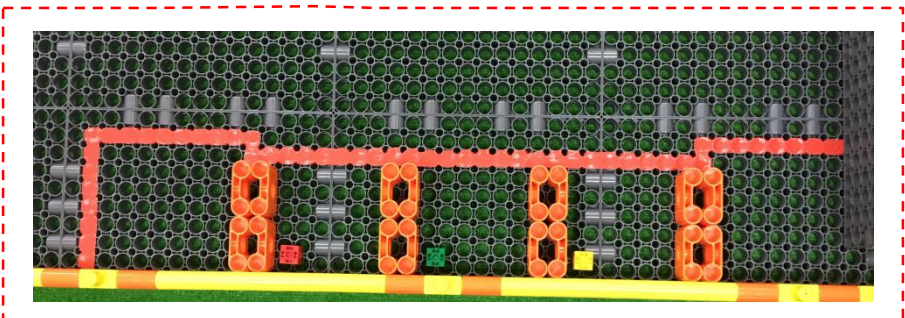
32

40

48



將上列零件與組件
插入基座編號32,40,48
相對應顏色的孔位中



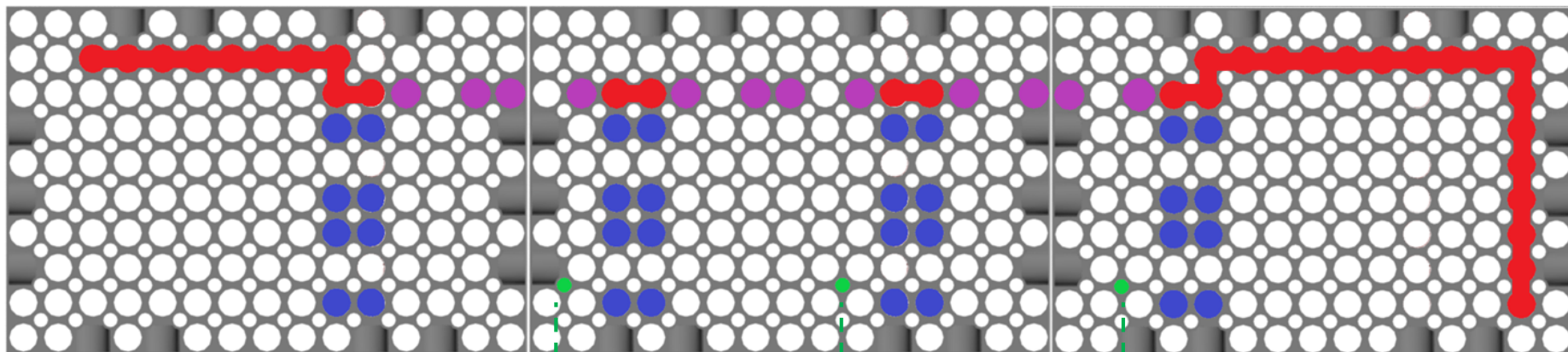
飼料黃2、綠2、紅2(含休息區)

42	43	44	45	46	47	48	
34	35	36	37	38	39	40	
26	27	28	29	30	31	32	
17	18	19	20	21	22	23	24
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1	2	3	4	5	6	7	8

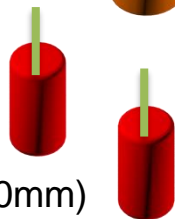
41

33

25



紅色標記線



(30mm)



x6





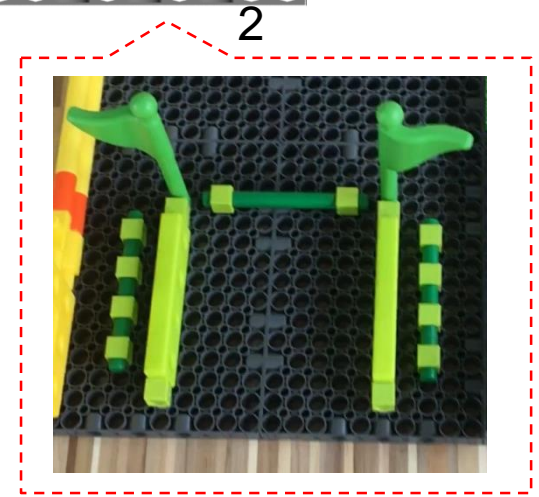
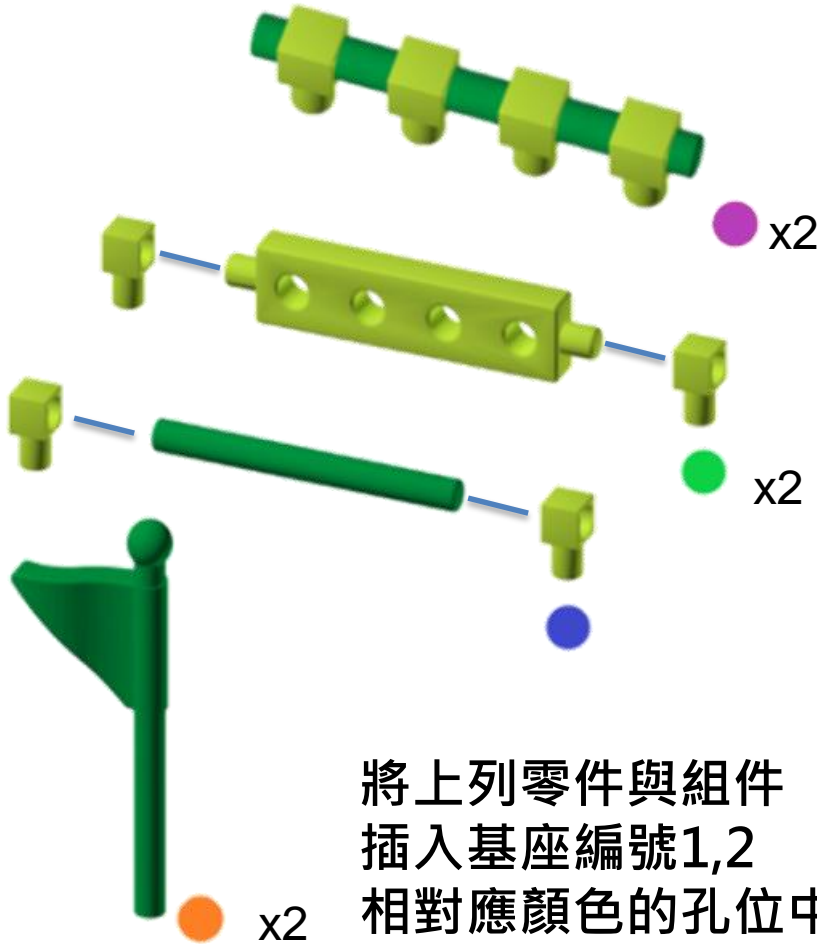
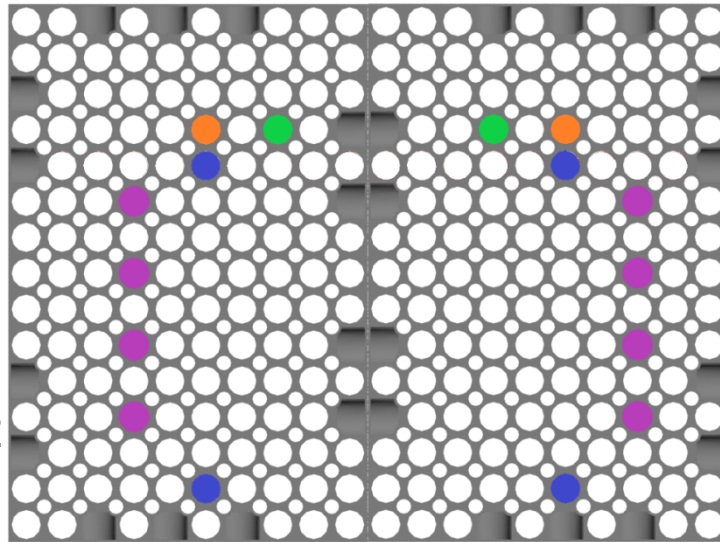
x16

將上列零件與組件
插入基座編號41,33,25
相對應顏色的孔位中



羊毛工廠

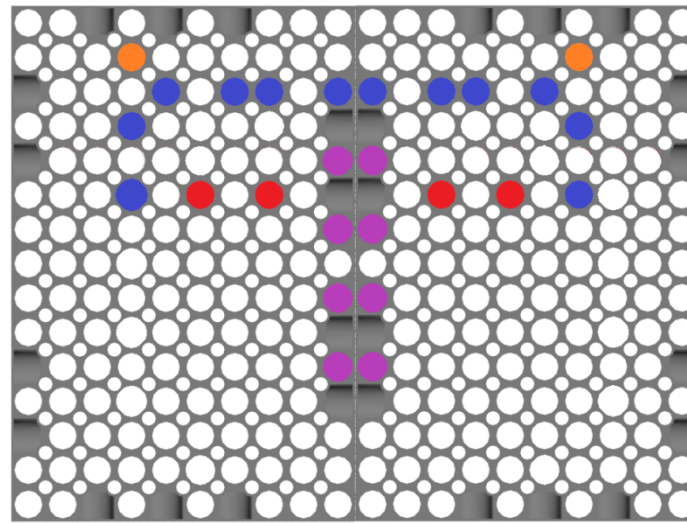
41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
		3	4	5	6	7	8



將上列零件與組件
插入基座編號1,2
相對應顏色的孔位中

Use the left side components to insert into the
relative color holes of base number1,2.

羊區(含羊前腳定位)



41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8



將下列零件與組件
插入基座編號7,8
相對應顏色的孔位中

Use the left side components to insert into the
relative color holes of base number 7,8.

x2

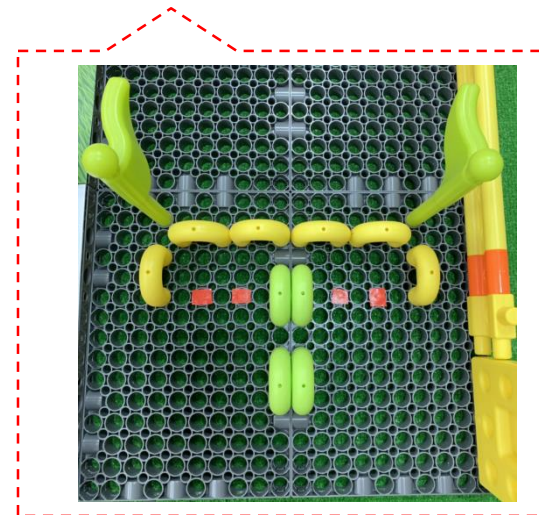
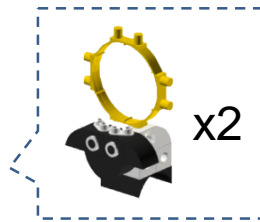


x4



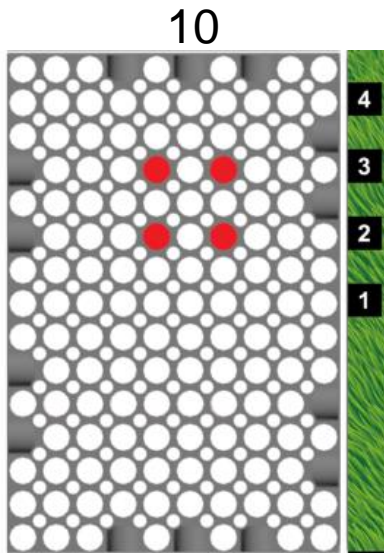
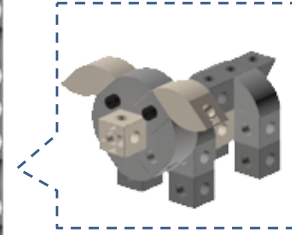
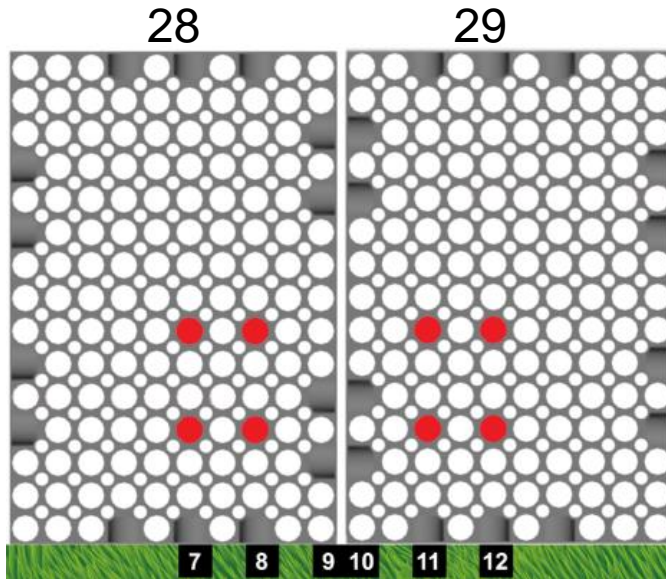
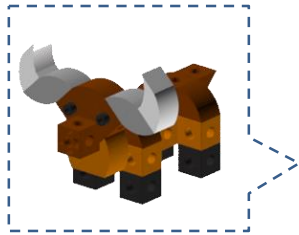
x6

紅色標記線

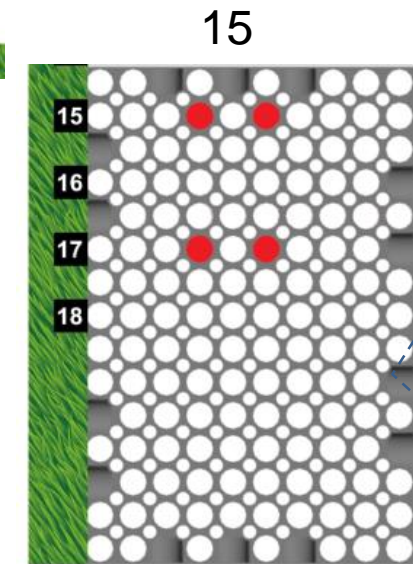


牛、兔、豬、狗的四肢定位

41	42	43	44	45	46	47	48
33	34	35	36	37	38	39	40
25	26	27	28	29	30	31	32
17	18	19	20	21	22	23	24
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8



將上列零件與組件
插入基座
編號10,15,28,29
相對應顏色的孔位中



Use the left side components to insert into the relative color holes of base number **10,15,28,29**.

2019 R4M 完成圖

請參考2019 世界機關王_R4M賽道3D導覽介面

http://www.worldgreenmech.com/tw/tw_sitenews_detail.asp?id=20190111001





世界機關王
感謝您