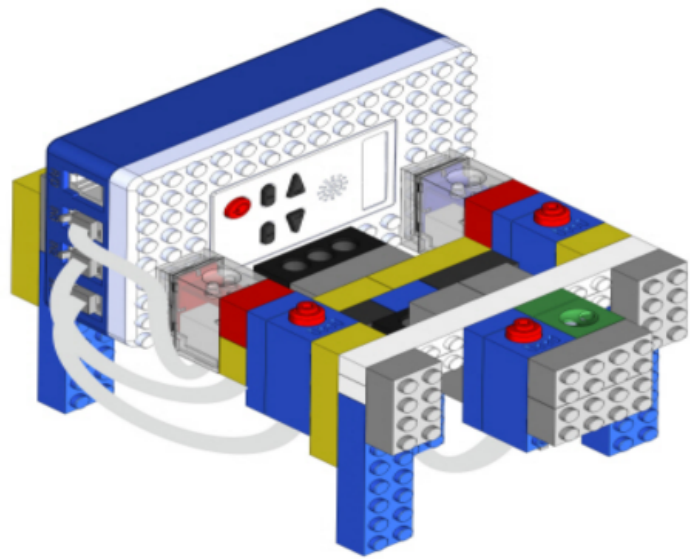


## 第九课

### 搭建主题-鼯鼠机器人



鼯鼠机器人

用积木锤子快速捶打碰撞开关并获得分数的机器人。



## ◎知识目标

- 1、了解碰撞开关的工作原理；
- 2、了解碰撞开关在生活中的应运；
- 3、体验26-29号程序卡功能；
- 4、了解鼯鼠的习性特征；



## ◎能力目标

- 1、自主搭建鼯鼠机器人；
- 2、理解碰撞开关的原理；
- 3、灵活掌握碰撞开关的使用情况；
- 4、认识鼯鼠；



## ◎情感目标

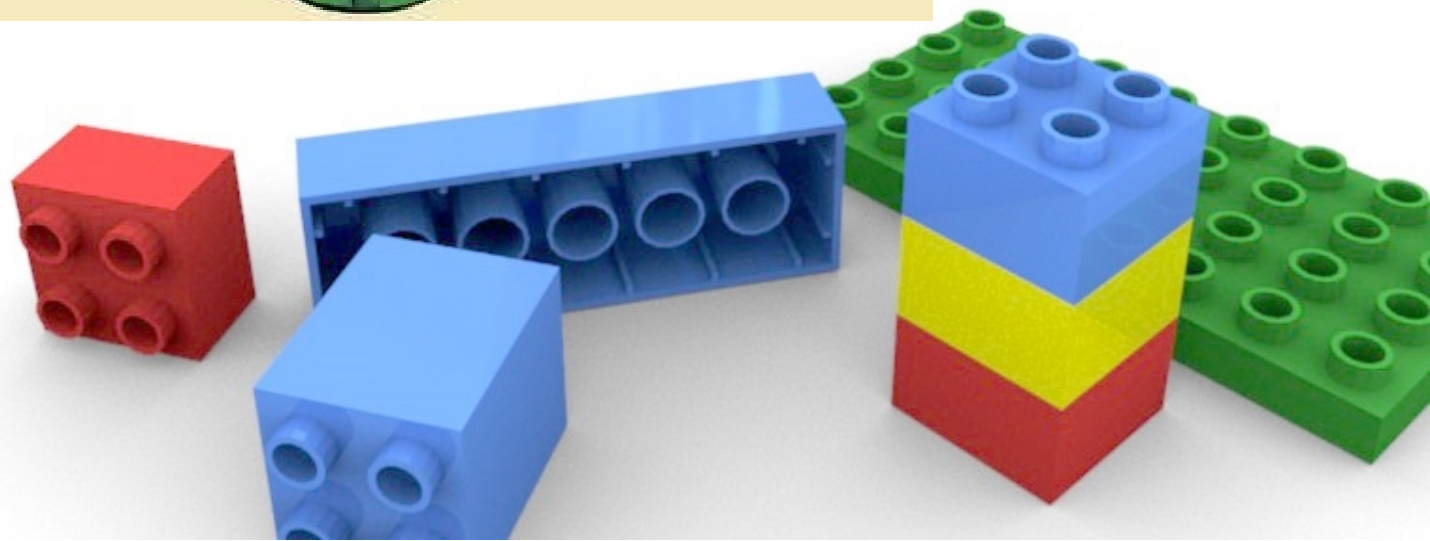
- 1、爱护小动物；
- 2、感受动物世界的稀奇；

# ROBOROBO

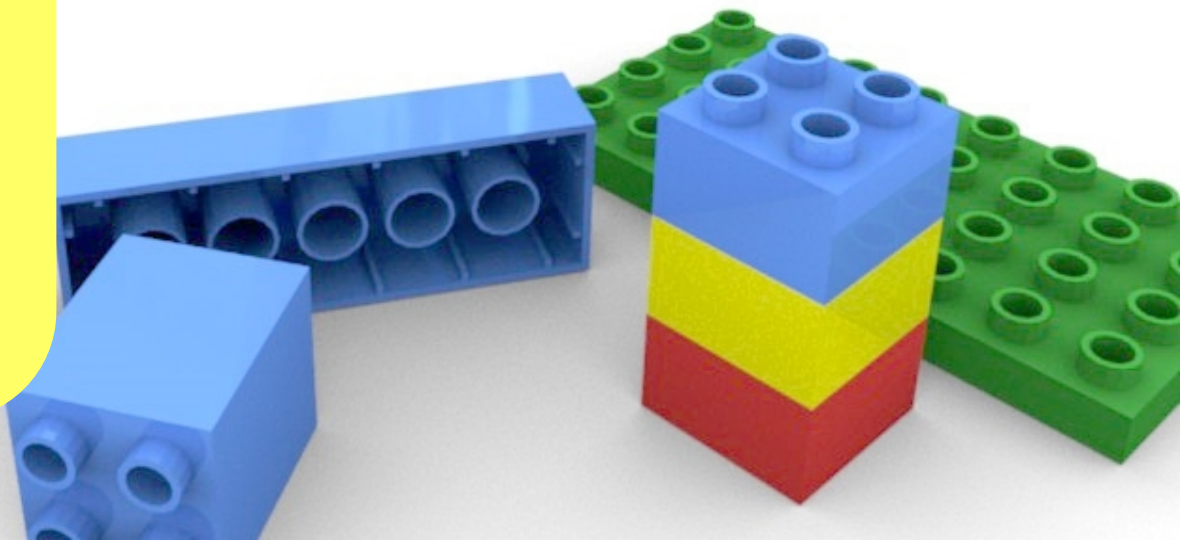
## 情境引入



鼹鼠视频  
回顾打地鼠  
机器人



鼯[yǎn]鼠  
[shǔ]，一种哺乳动物。体矮胖，长10余厘米，毛黑褐色，嘴尖。前肢发达，脚掌向外翻，有利爪，适于掘土；后肢细小。

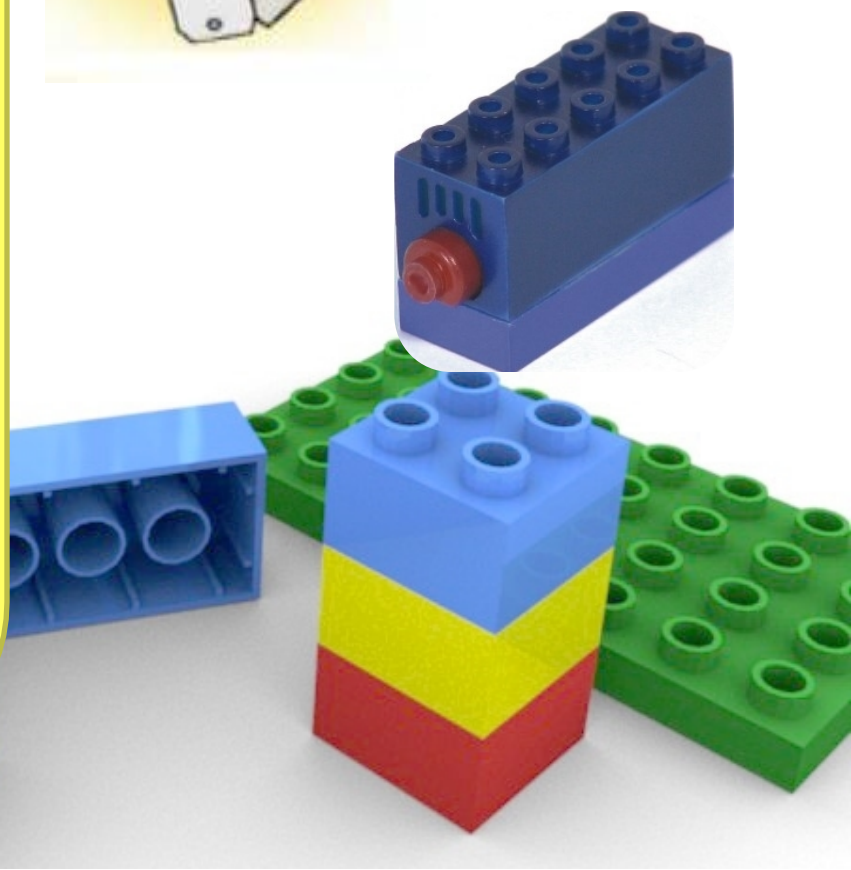


### 碰撞开关(Contact Sensor)

能感应开关是否被触碰。

碰撞开关连接在CPU积木的输入(IN)端口。

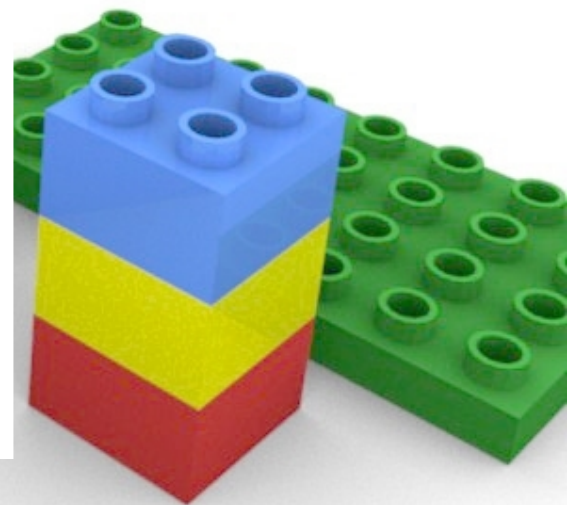
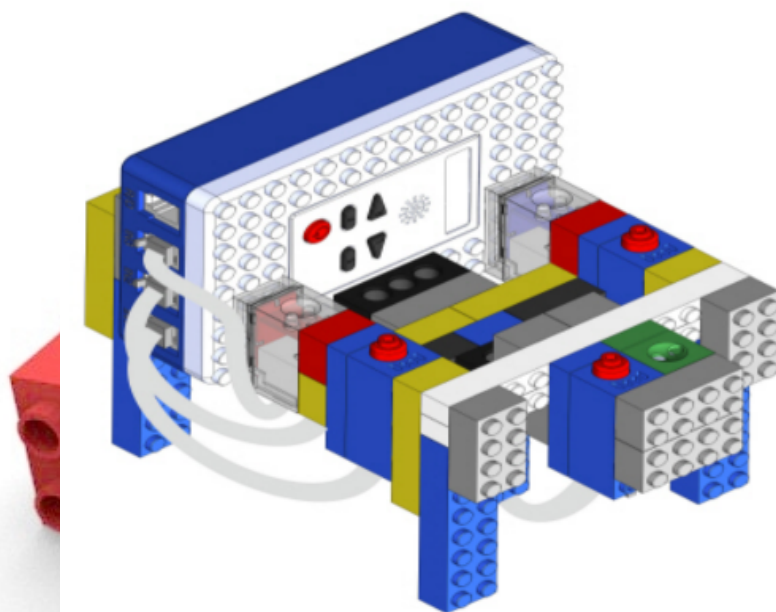
碰撞开关是压力传感器的一种，压力传感器是可以感应外部施加压力大小的装置。





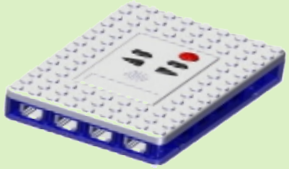
**ROBOROBO**

# 主题搭建

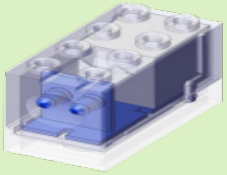


# ROBOROBO

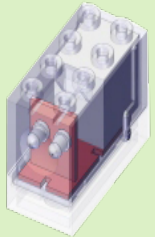
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x 1



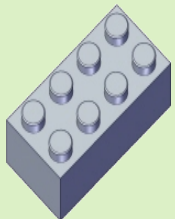
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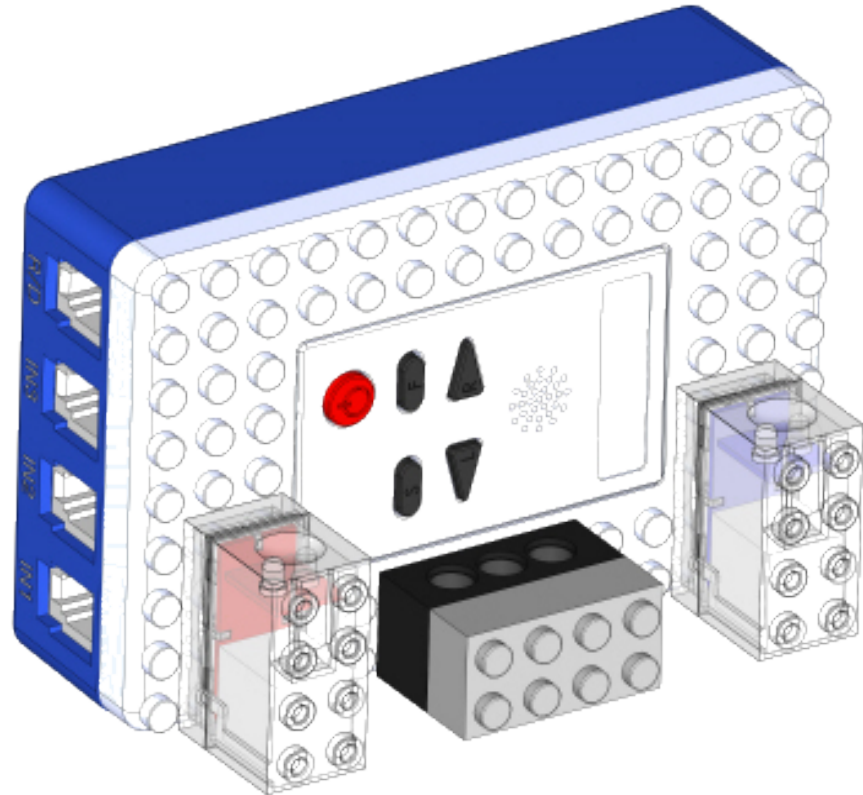
x 1



x 1

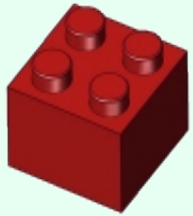


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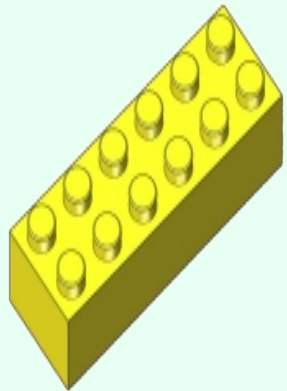




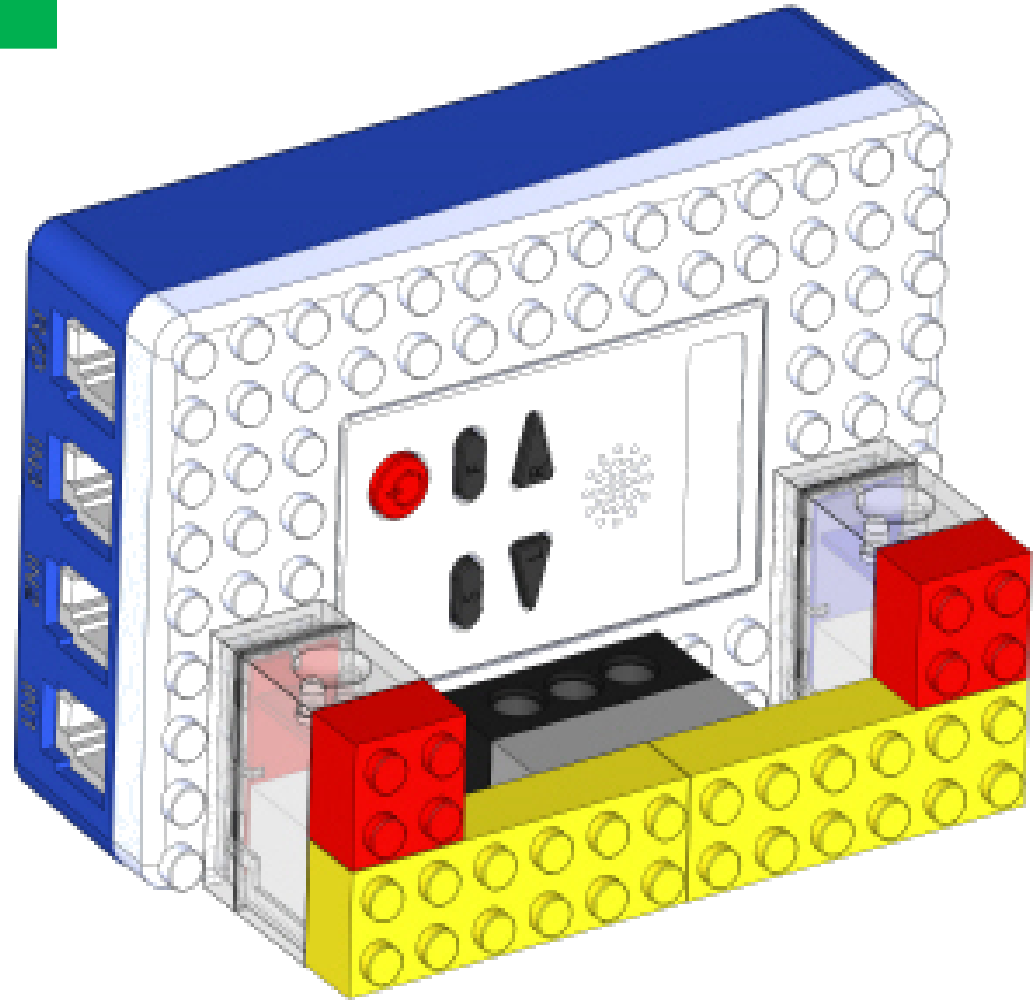
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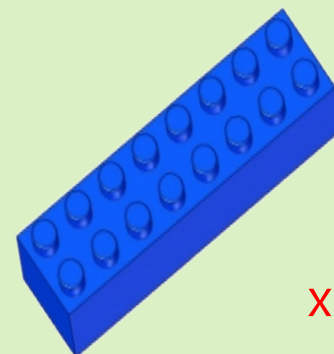
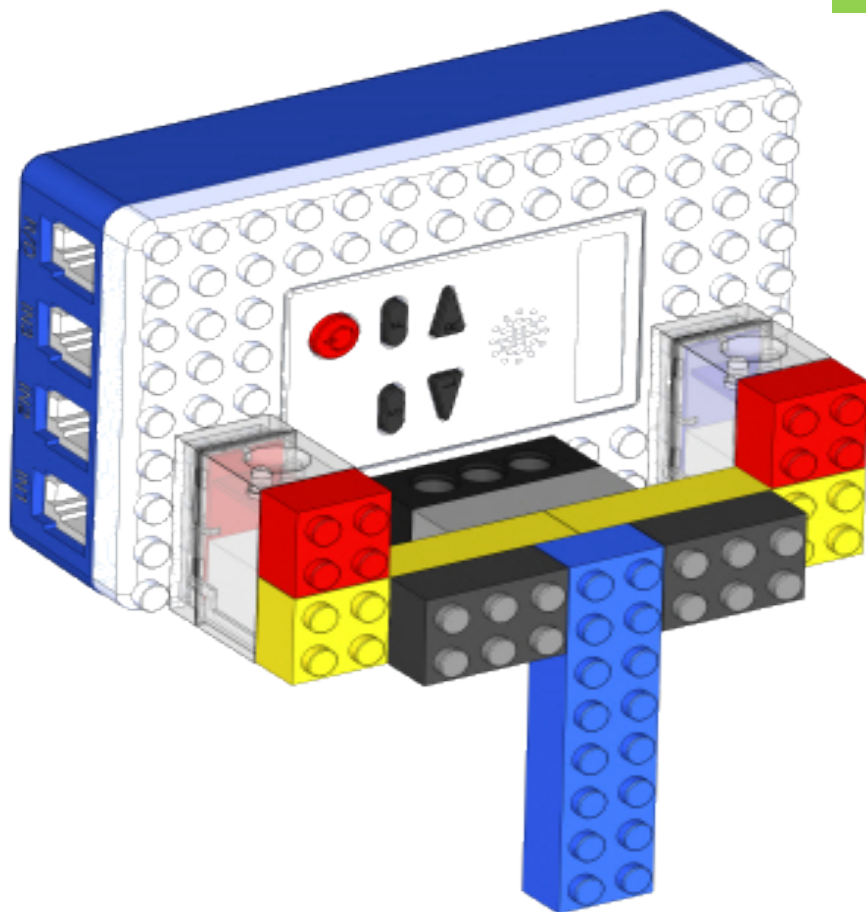
x 2



x 2



3

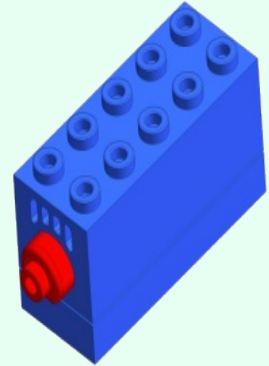
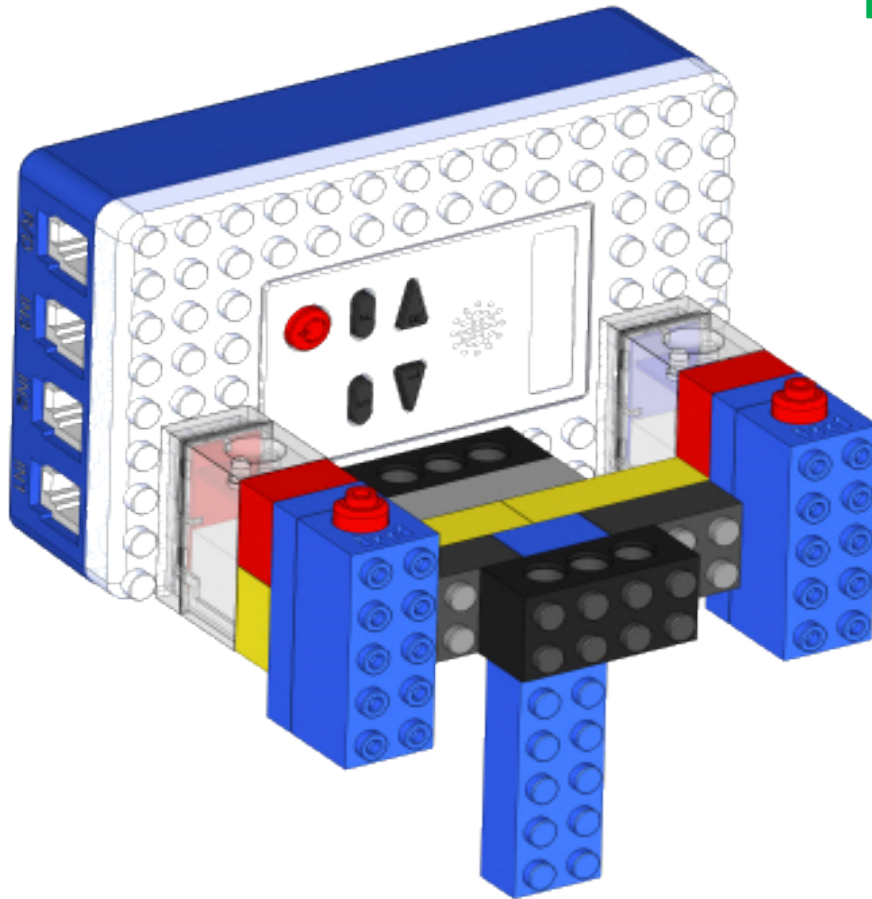


x 1



x 2

4

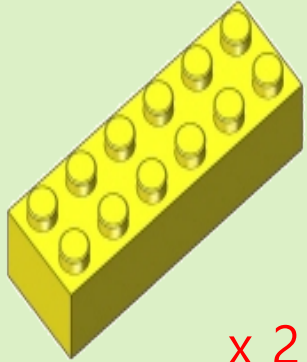


x 2

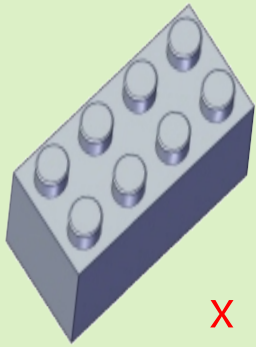


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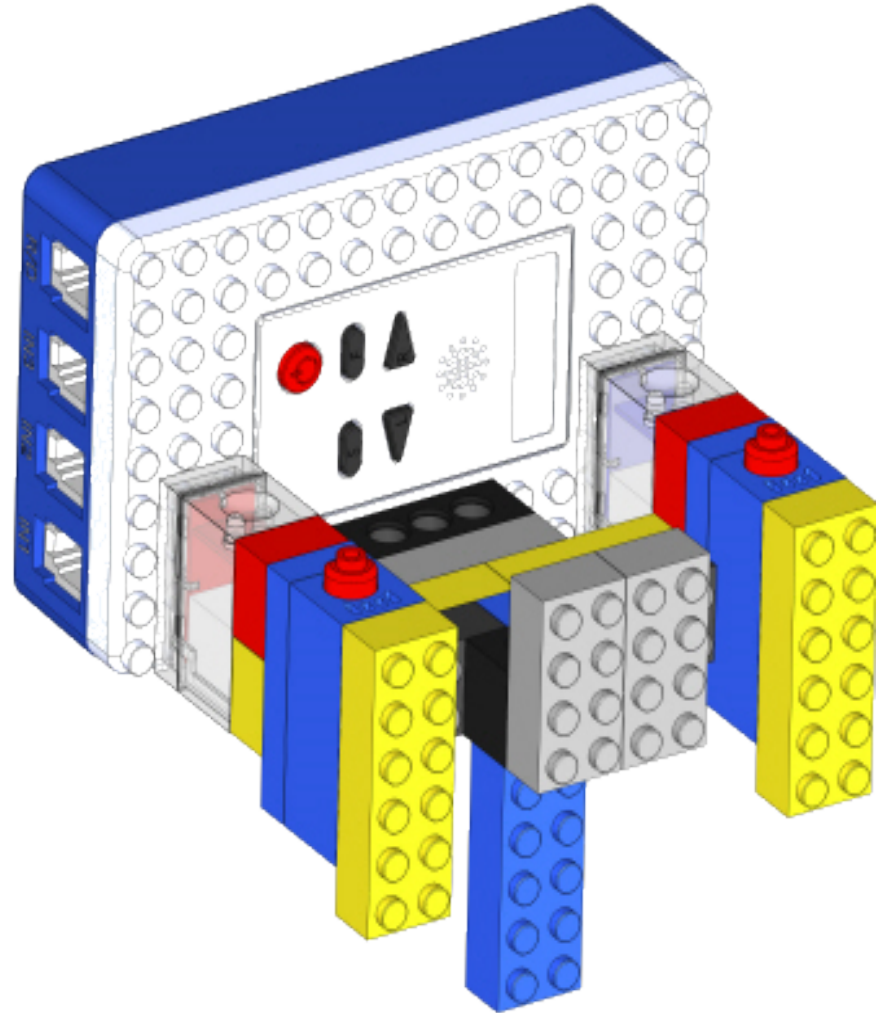
5



x 2



x 2



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