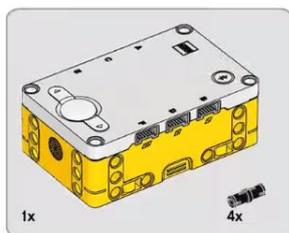
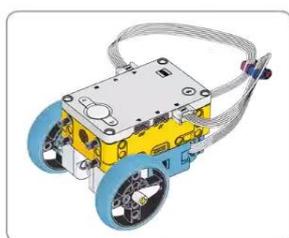
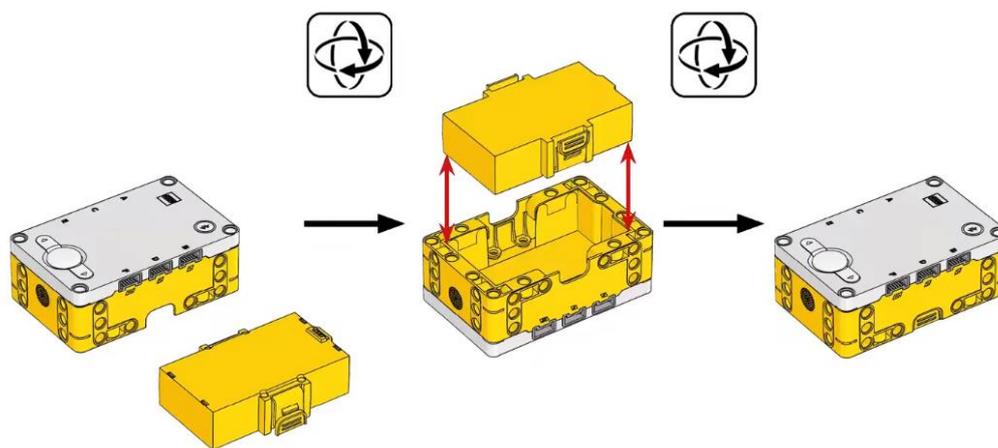


## Capítulo 4 (Cubrir la distancia)

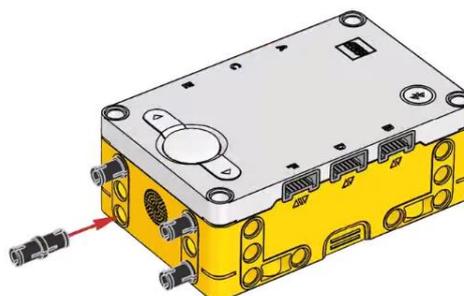
¡Construye un rinoceronte!

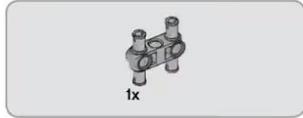
Esta construcción tiene dos partes:

- El cuerpo del rinoceronte.
- La cabeza del rinoceronte.

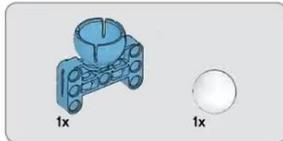
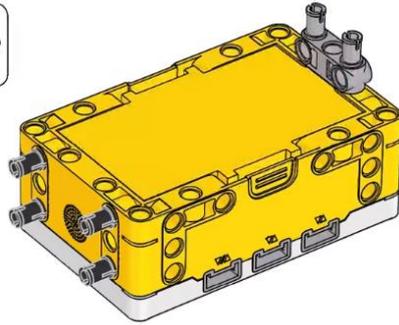


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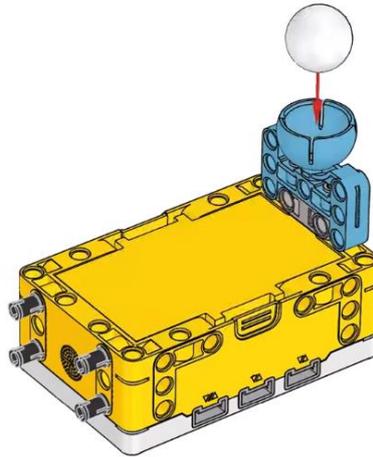




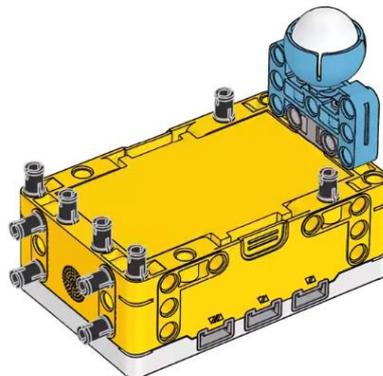
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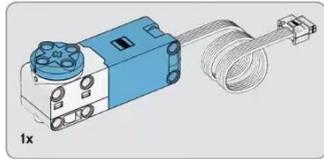


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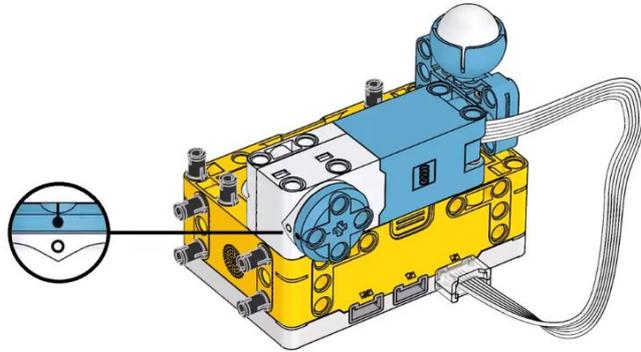


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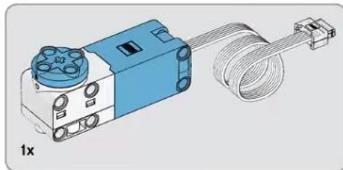
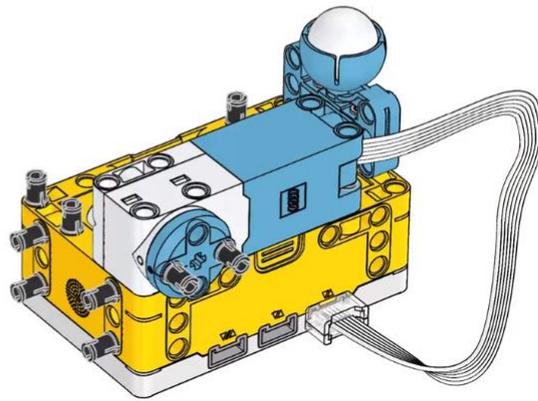




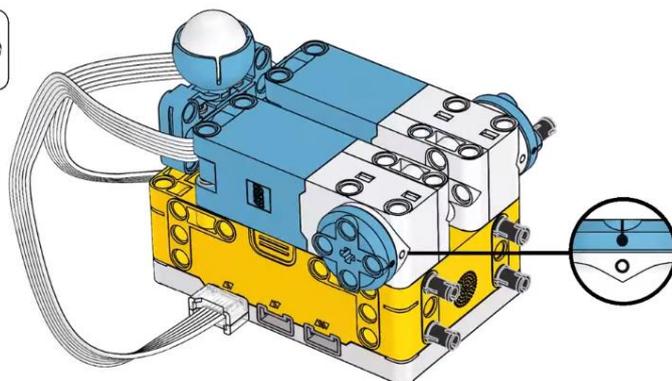
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6

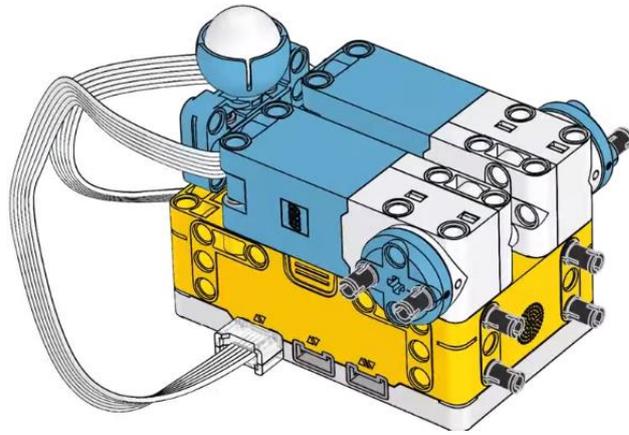


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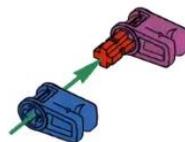
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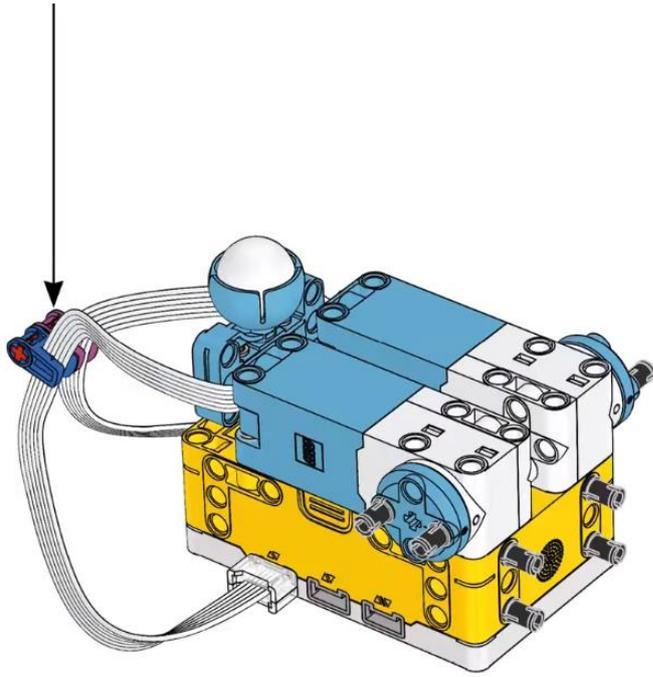
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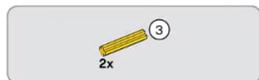
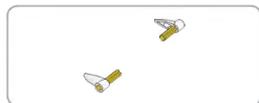
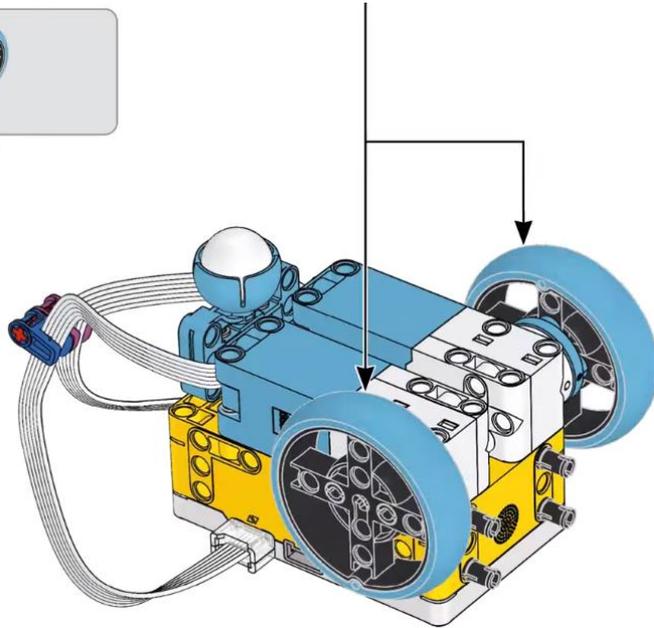
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11



12



13

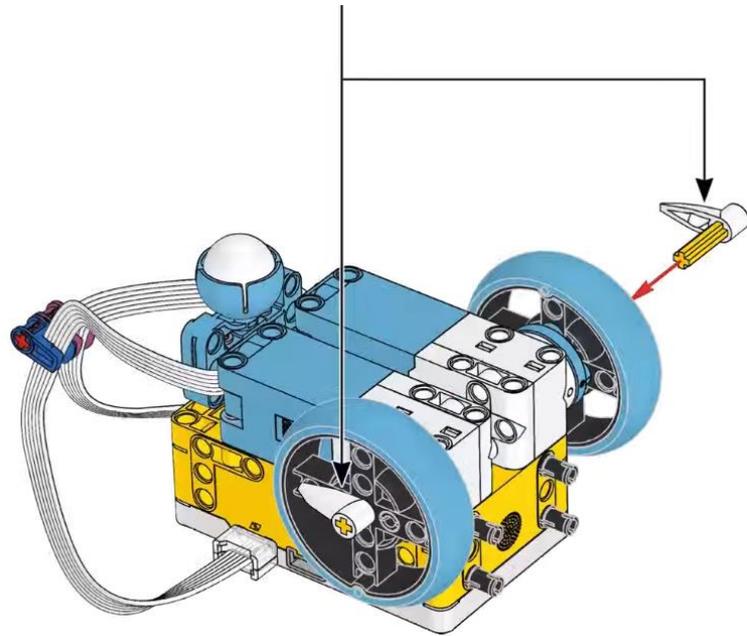




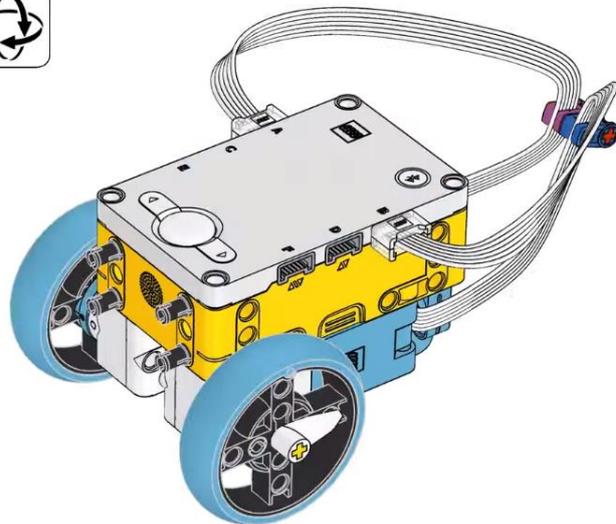
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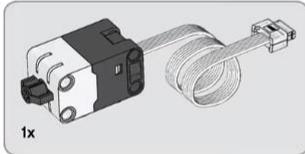
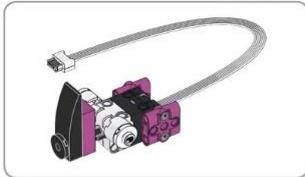
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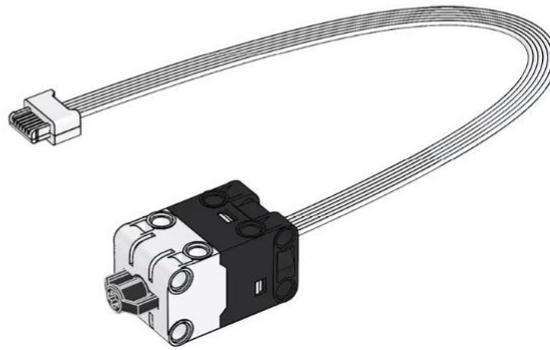
## Cabeza del rinoceronte



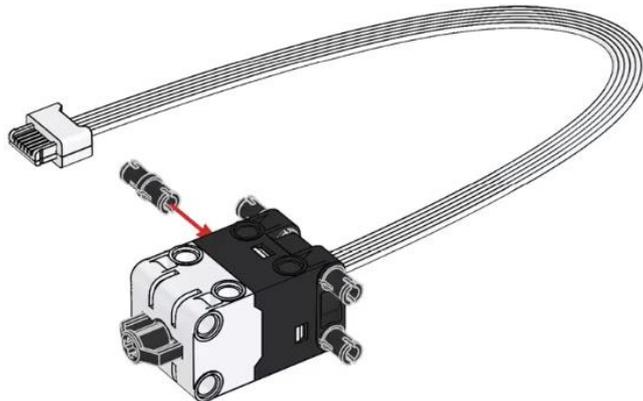
11 pasos

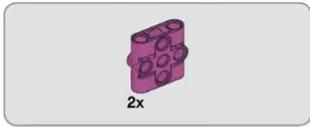


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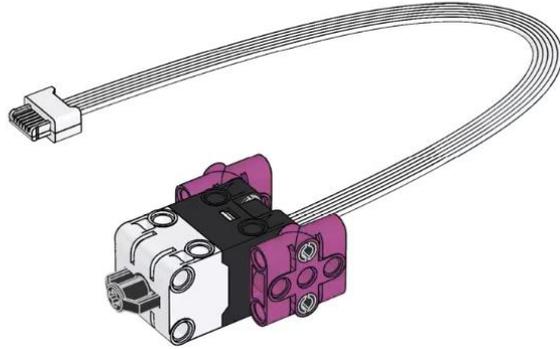


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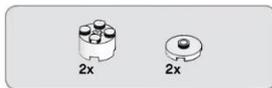
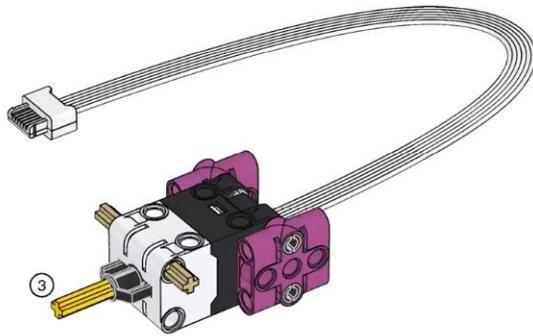




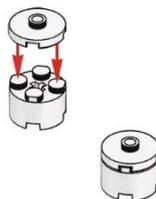
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4



5

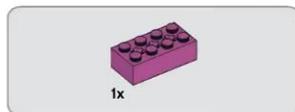
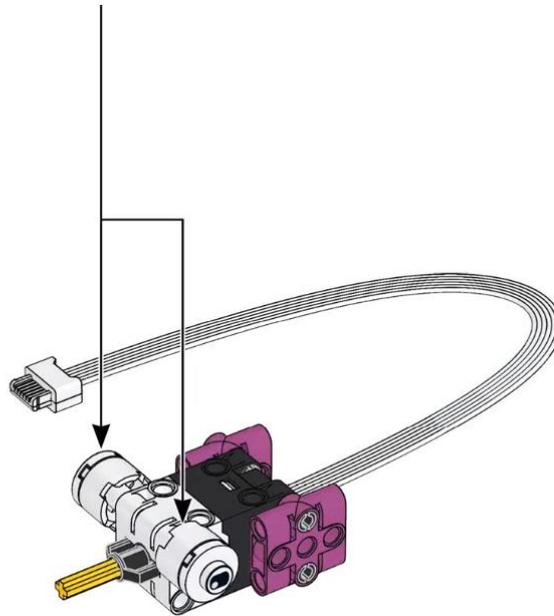




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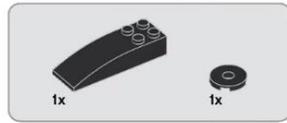


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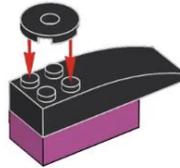


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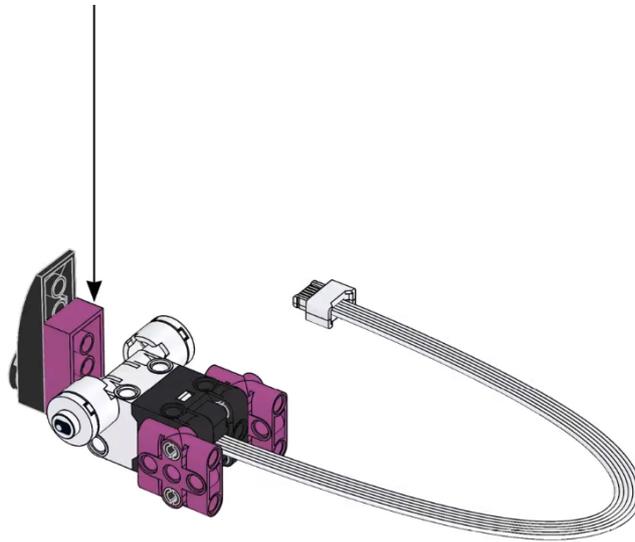




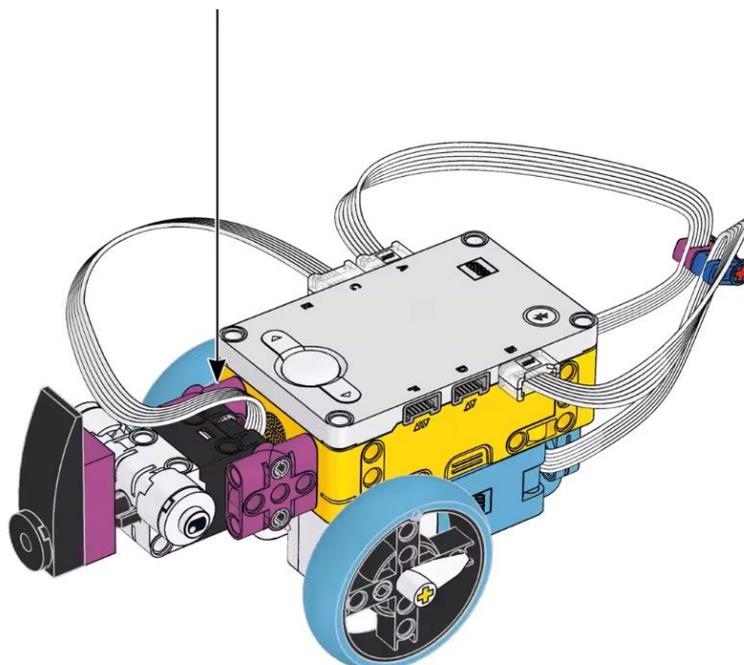
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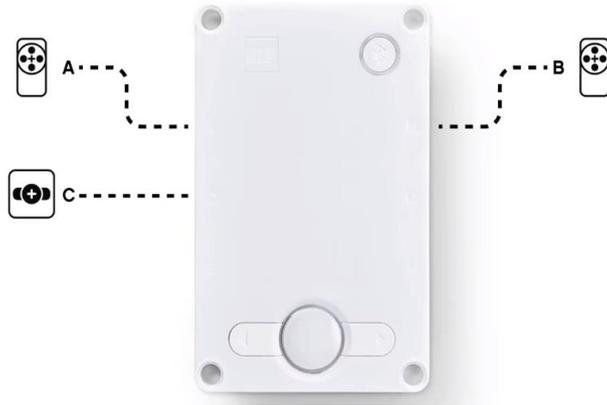


10



11





## Codificación

```

cuando se inicia el programa
  fijar B+A como motores en movimiento
  fijar velocidad de movimiento al 50 %
  mover ↑ durante 10 rotaciones
  parar movimiento
  
```

Si este bloque no se pone funciona igual.

Cuando se inicia el programa.

Sincronizamos los motores conectados en los puertos A + B.

Con una potencia del 50%.

Mover hacia adelante durante 10 rotaciones.

Parar motores.

```

cuando se inicia el programa
  fijar A+B como motores en movimiento
  fijar velocidad de movimiento al 50 %
  empezar a mover línea recta: 0
  esperar hasta que C ¿ se presione ?
  parar movimiento
  
```

Este código usa el sensor de presión para detener a nuestro robot.

En este caso el bloque esperar espera a que el sensor de presión se presione para que continúe con el siguiente bloque, en este caso parar movimiento.

Te adjunto un vídeo de lo que tiene que hacer nuestro rinoceronte, el código te lo pondré en la siguiente página para que primero tu lo intentes, con los conocimientos que has adquirido.



The image shows a Scratch script for a robot program. The script starts with a 'when program starts' block, followed by three 'motor' blocks: 'set B+A as moving', 'set speed to 50%', and 'start moving straight line: 0'. Then, there is an 'wait until' block for button C. This is followed by a 'move' block (down 2 cm). A 'repeat' loop with 5 iterations contains: 'start moving straight line: 0', 'wait until' for button C, and 'move' (down 2 cm). Finally, the script ends with a 'stop motor A' block.

```
when program starts
  motor B+A as moving
  motor speed to 50%
  motor start moving straight line: 0
  wait until C is pressed?
  motor move down 2 cm
  repeat 5
    motor start moving straight line: 0
    wait until C is pressed?
    motor move down 2 cm
  stop motor A
```