

Common

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hod3

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### Robot Educator

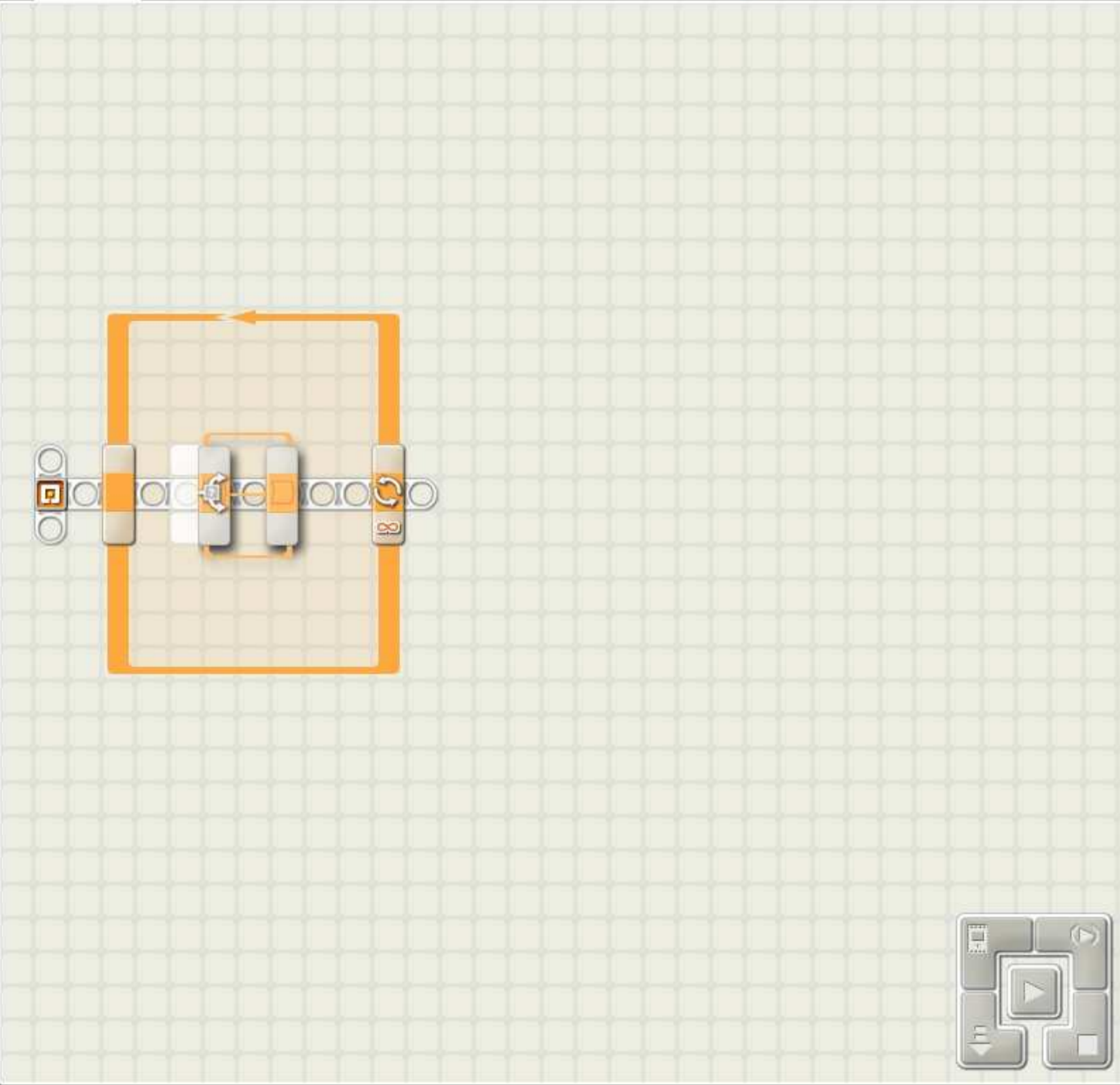
- Common Palette**
- Complete Palette**
- Data Logging**

Select:

- Speaker
- Touch Sensor
- Light Sensor
- Motor
- All
- Ultrasonic Sensor
- Display
- Lamp
- Sound Sensor
- Temperature Sensor

**Need help?**  
 Move the cursor over an object to read about its function. For additional help, click the "More help" link.

[More help >](#)



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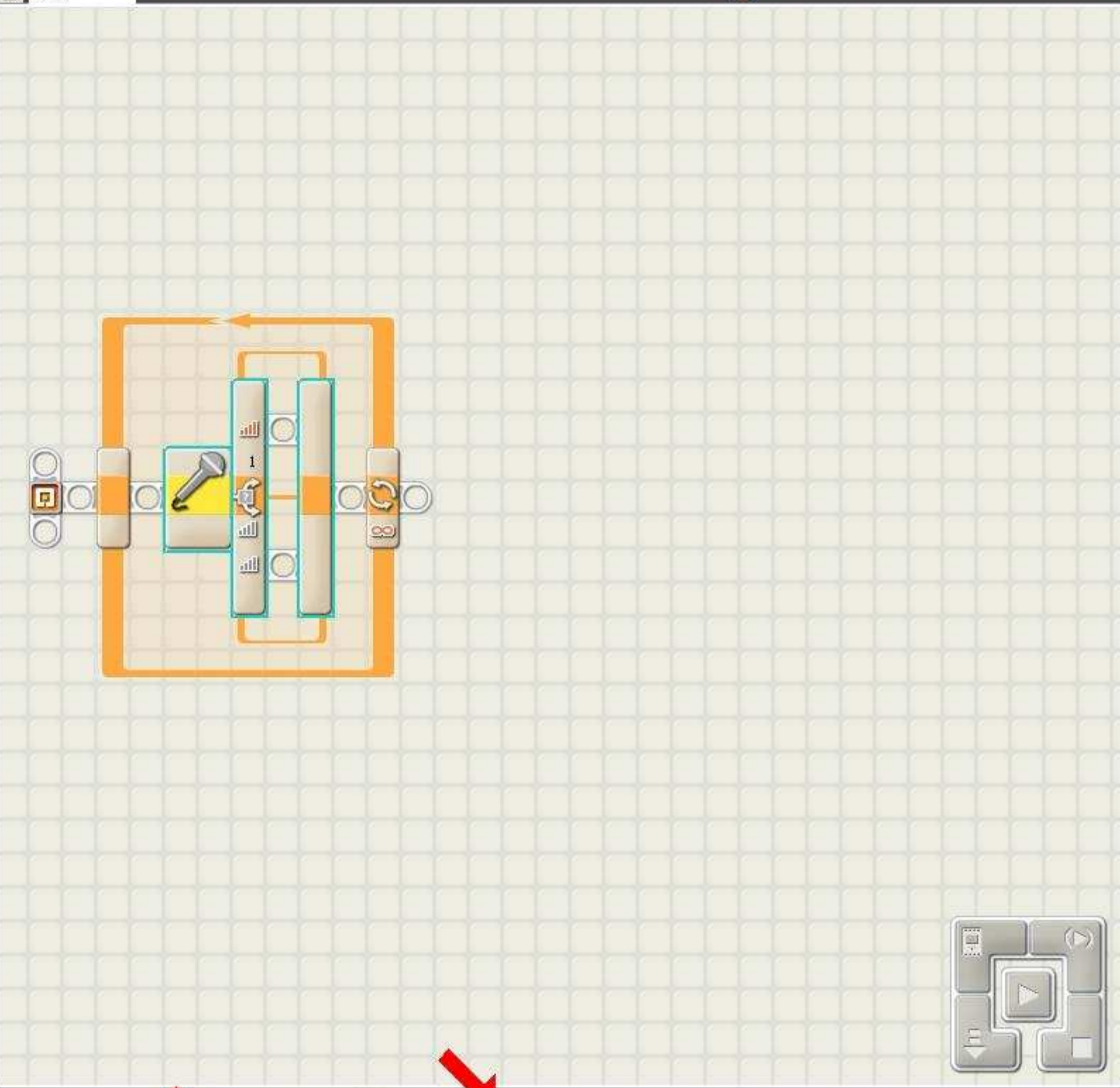
#### Switch Block

Use this block to choose between two sequences of code. For example, when configured with a touch sensor, the switch block might run one series of blocks when the sensor is pressed and another when it is not.

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### Robot Educator



+ Common Palette



+ Complete Palette



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Select:

+ Speaker

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+ All

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Switch

Control:

Sensor

Port:

1 2 3 4

Sensor:



Sound Sensor

Compare:

Sound: > 20

Display:

Flat view

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### Switch

 Control:

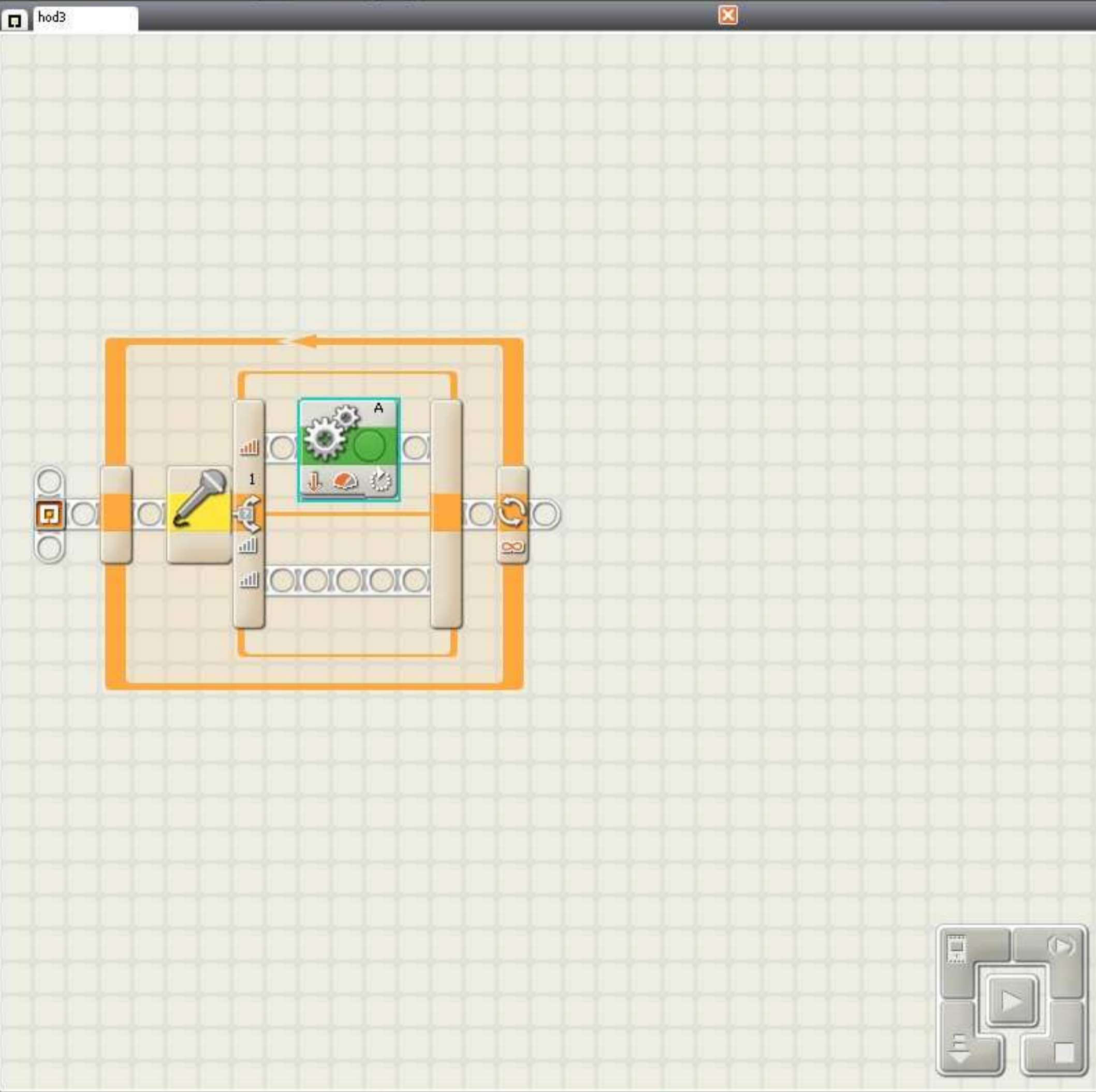
 Port:  1  2  3  4

 Sensor: 

 Compare:       
Sound:

 Display:   Flat view

Common



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+ Common Palette



+ Complete Palette



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Select:

+ Speaker

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+ Light Sensor

+ Lamp

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+ Sound Sensor

+ All

+ Temperature Sensor

Move

Port:  A  B  C

Power:  96

Direction:  ↑  ↓  ↻

Duration: 80 Degrees

Steering: A

Next Action:  Brake  Coast

Motor status table:

R	0	A
	0	B
	0	C

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



### Move



	R
0	A
0	B
0	C

Port:  A  B  C

Direction:      

Steering:  

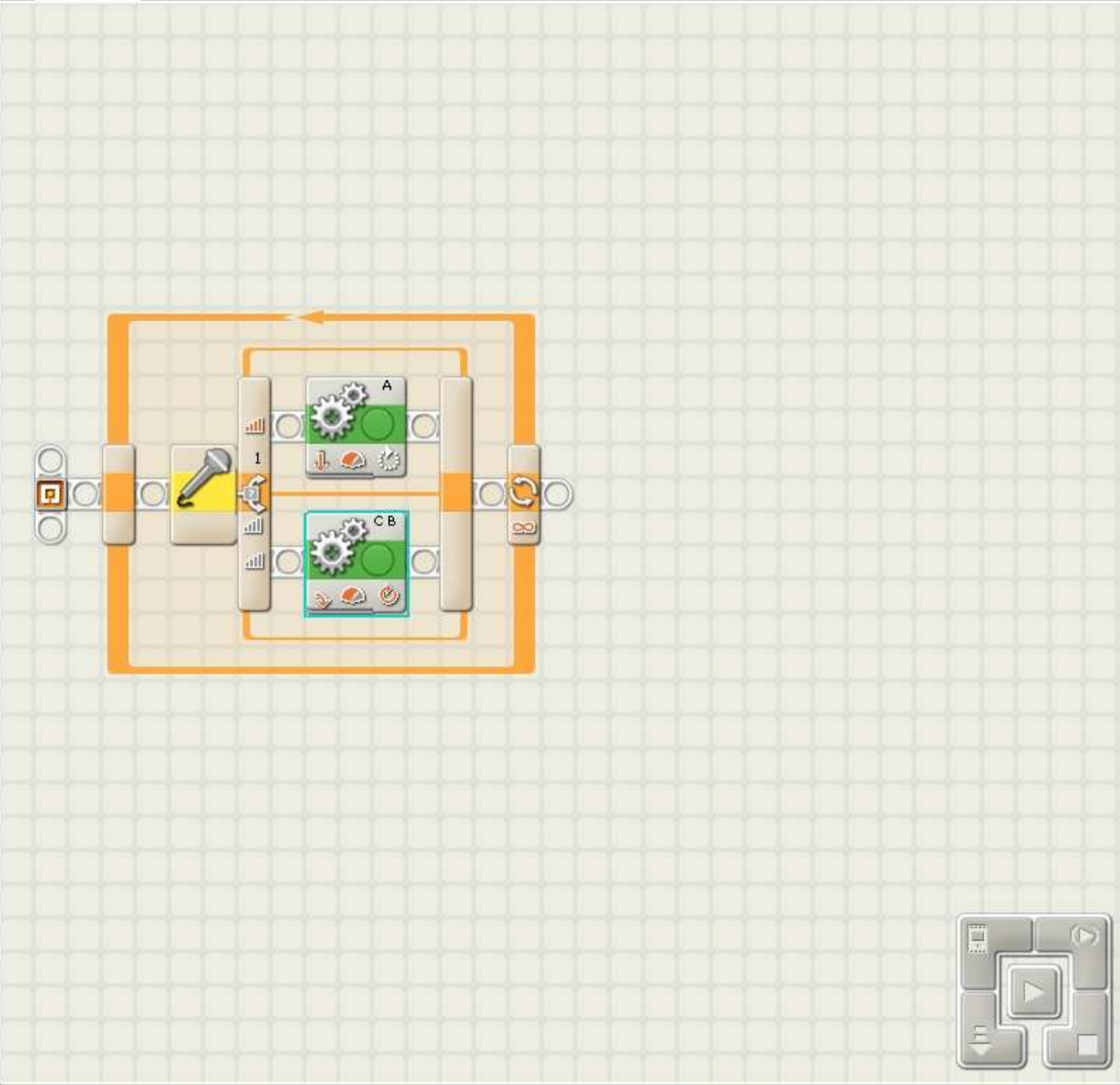
   

Power: 

Duration:

Next Action:   Brake   Coast

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**Move**

Port:  A  B  C

Direction:  Forward  Backward  Turn

Steering:  C  B  A

Power:  75

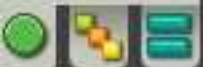
Duration:  Rotations

Next Action:  Brake  Coast


**Move Block**

Use this block to set your robot to go forwards or backwards in a straight line or to turn by following a curve. Define how far your robot will go by using the Duration property.

[More help >](#)




### Move



R
0 A
0 B
0 C

Port:  A  B  C

Direction:      

Steering:  C    B

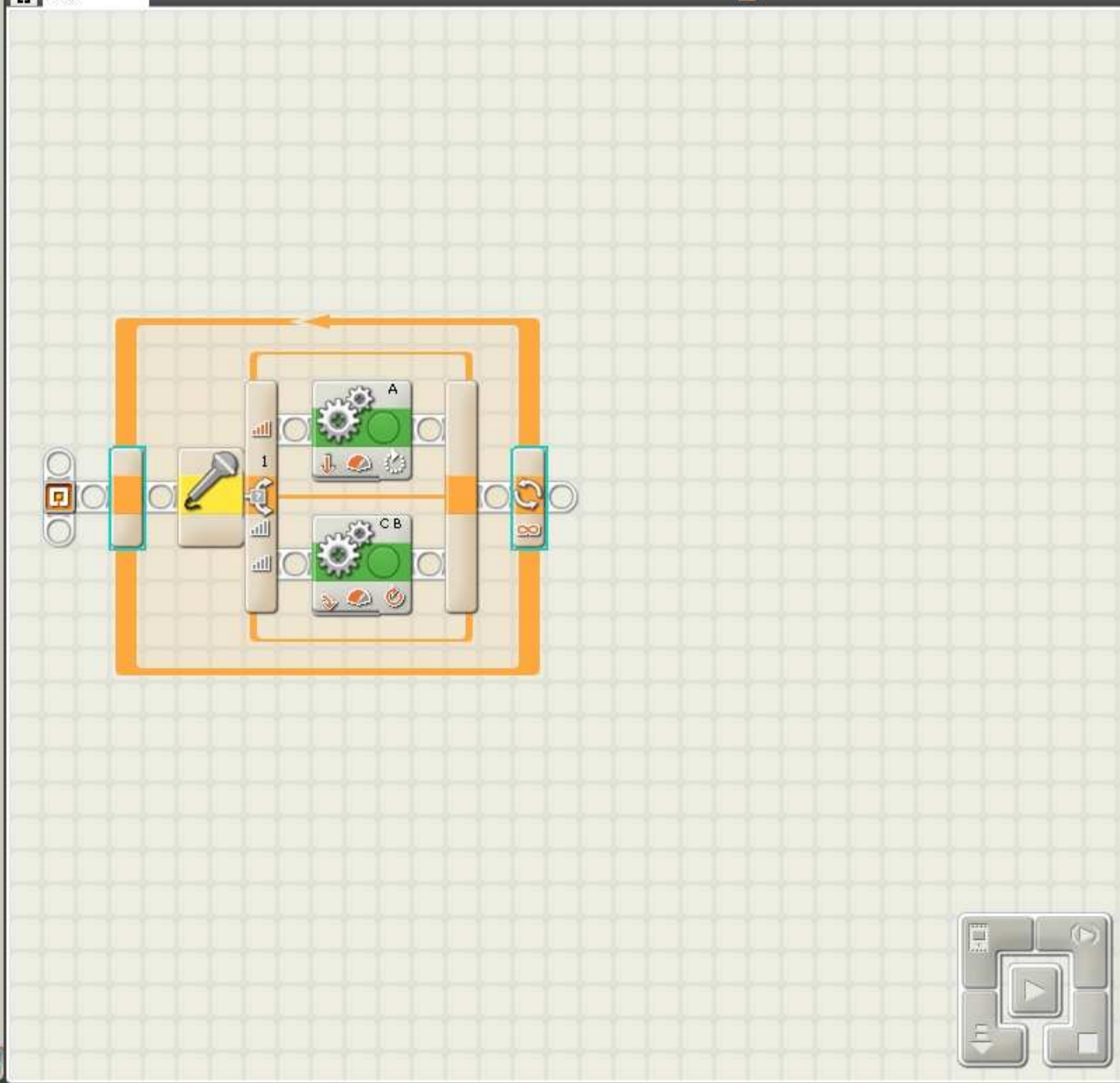
Power:  75

Duration:  Rotations

Next Action:   Brake   Coast



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Loop

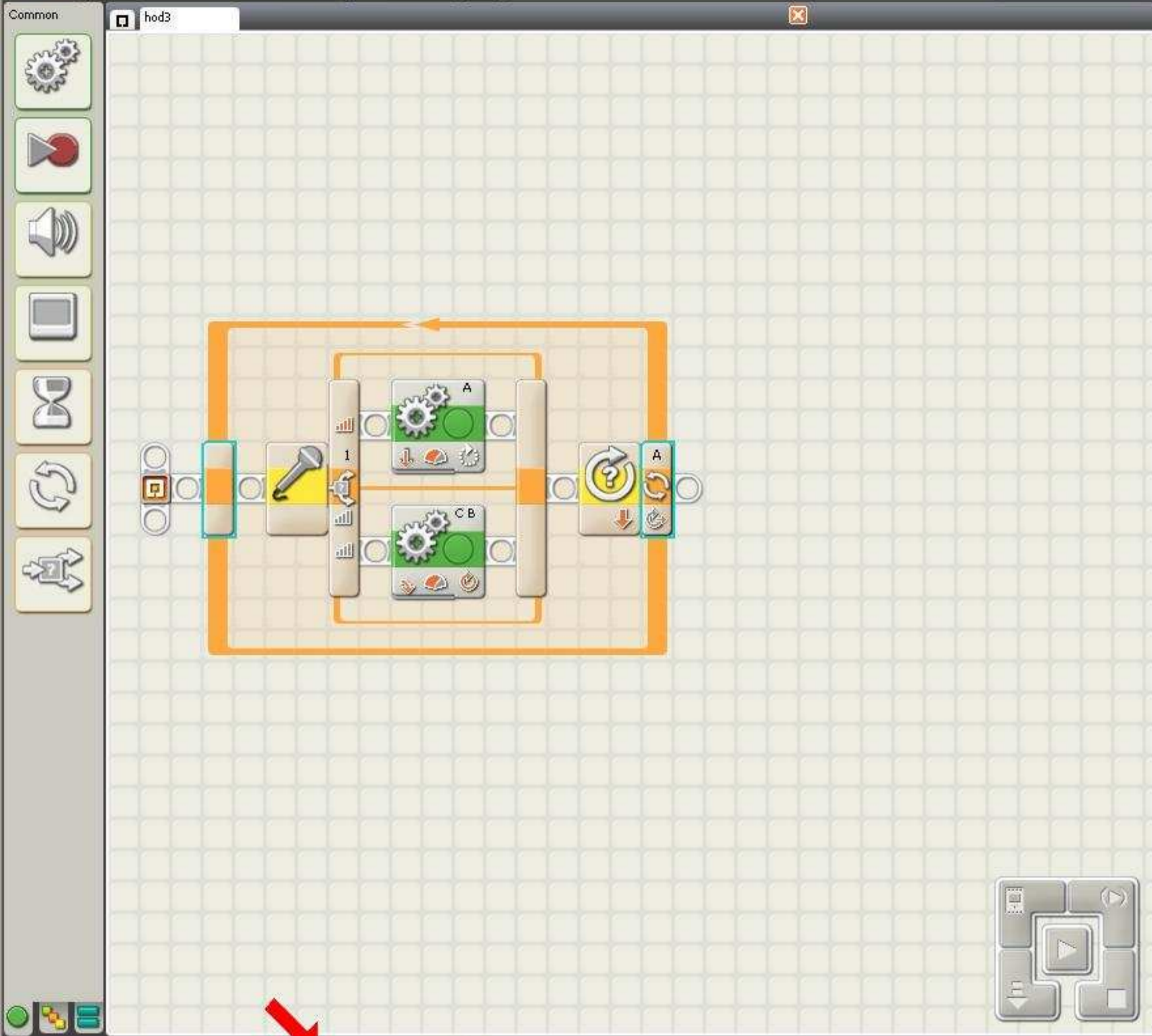
Control: Forever

Show:  Counter

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Loop

Control:  Sensor

Sensor:  Rotation Sensor

Port:  A  B  C

Action:  Read  Reset

Until:  ↑  ↓

Show:  Counter

80 Degrees

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Loop



Control:  Sensor

Port:  A  B  C

Sensor:  Rotation Sensor

Action:  Read  Reset

Show:  Counter

Until:  ↑  ↓  Degrees