



Control:

Until: Seconds:

Show: ☐ Counter

Robot Educator



+ Common Palette



+ Complete Palette



+ Data Logging



Select:

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

Loop Block

Use this block to repeat sequences of code. Set the condition that will end the loop: elapsed time, the number of repetitions, a logic signal or a sensor. You can also set a loop to go on forever.

[More help »](#)



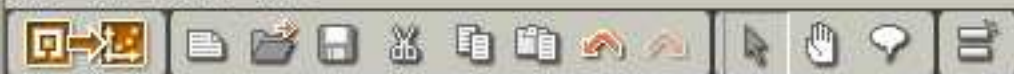
Loop



 Control: Time 

 Until: Seconds:

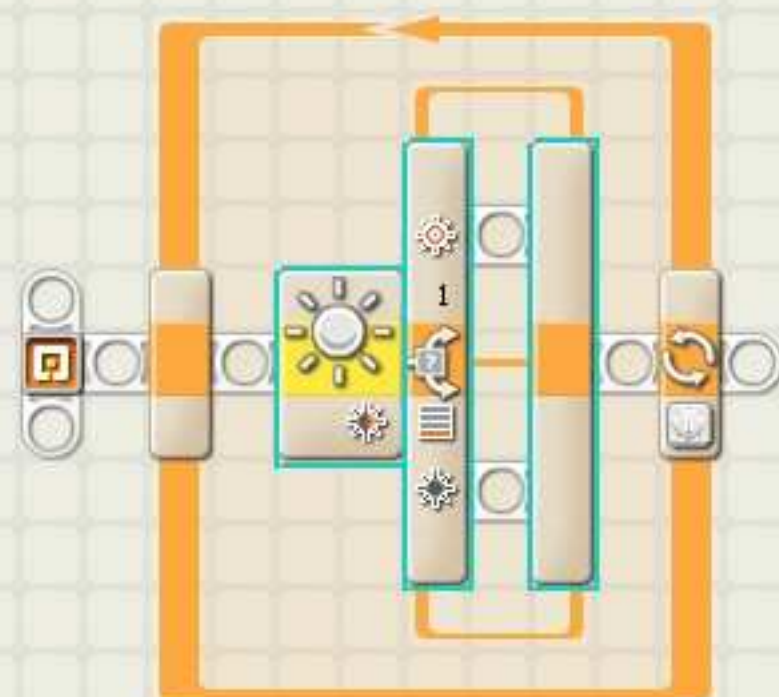
 Show: ☐  Counter



User Profile: Default

Common

Optisensor1



Switch



Control: Sensor

Sensor: Light Sensor

Display: Flat view

Port: 1 2 3 4

Compare: Light: 42

Function: Generate light

Home >

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?

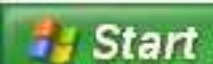
Move the cursor over an object to read about its function. For additional help, click the "More help" link.

[More help >](#)



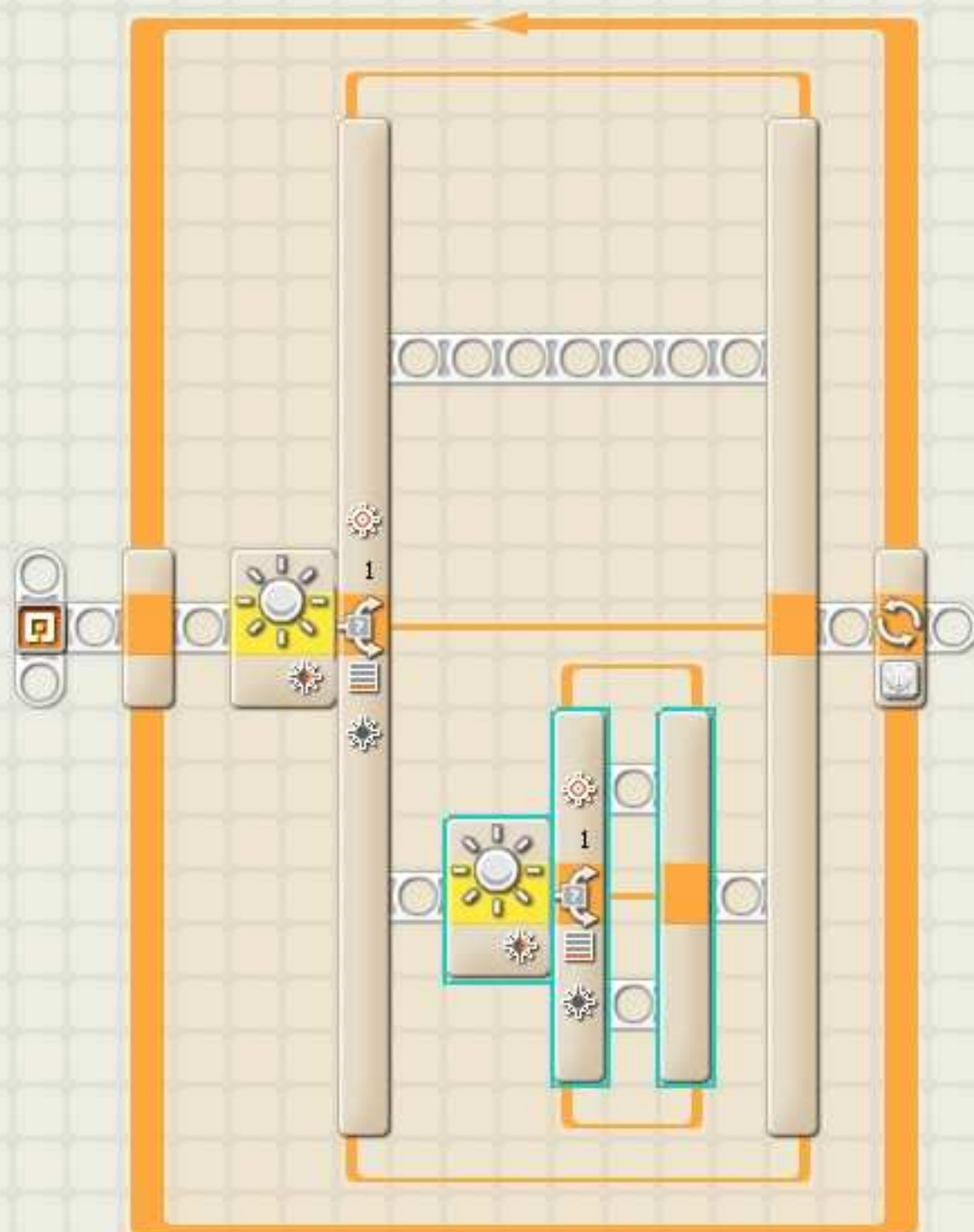
Switch

	 Control: Sensor	 Port: 1 2 3 4
	 Sensor:  Light Sensor	 Compare: 1  4
		Light: > 42
0	 Display: ☒  Flat view	 Function: ☒  Generate light



LEGO MINDSTORMS ...

6.jpg (100%) - Paint,...



Control: Port: ☐ 1 ☐ 2 ☐ 3 ☐ 4

Sensor: Compare: ☐ ☐ Light:

Display: ☒ Flat view Function: ☒ Generate light

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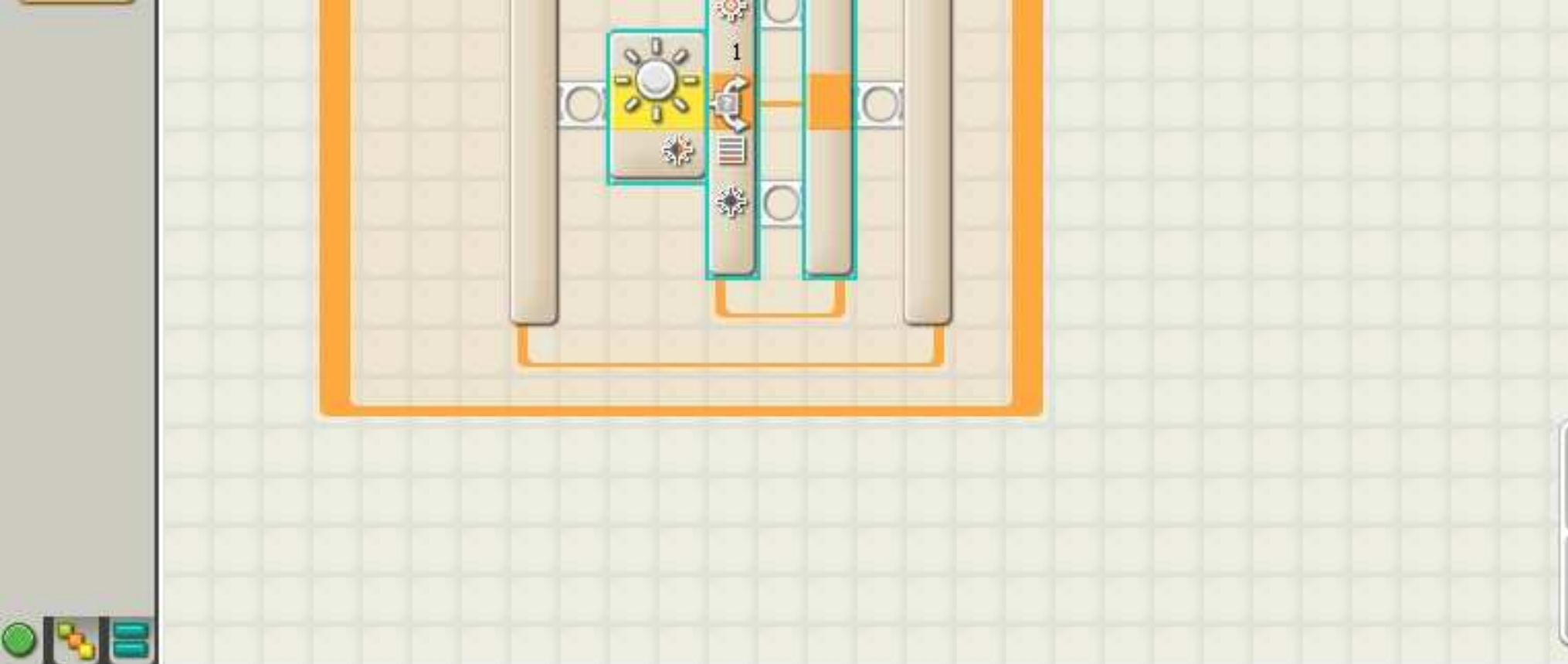
Select:

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

Loop Block

Use this block to repeat sequences of code. Set the condition that will end the loop: elapsed time, the number of repetitions, a logic signal or a sensor. You can also set a loop to go on forever.

[More help »](#)



Switch

Control:

Sensor: 

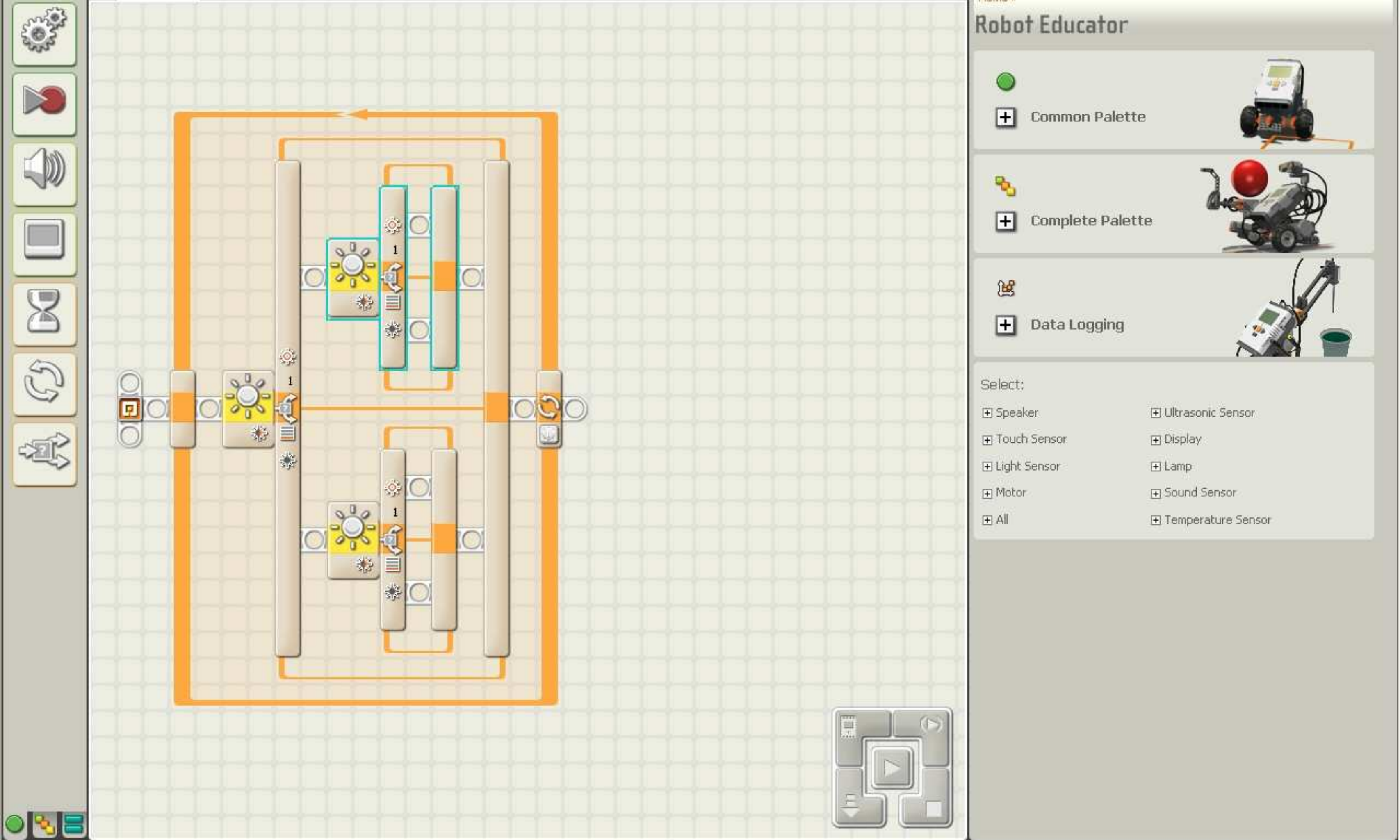
Display: ☒ Flat view

Port: ☒ 1 ☐ 2 ☐ 3 ☐ 4

Compare: ☐  ☐ 

Light:

Function: ☒  Generate light



Robot Educator

- Common Palette
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Select:

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

Switch

Control: Sensor

Port: 1 2 3 4

Sensor: Light Sensor

Compare: Light: > 47

Display: Flat view

Function: Generate light

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.

[More help >](#)



Sensor



Port:

☒ 1 ☐ 2 ☐ 3 ☐ 4

 Compare:



Light:



47

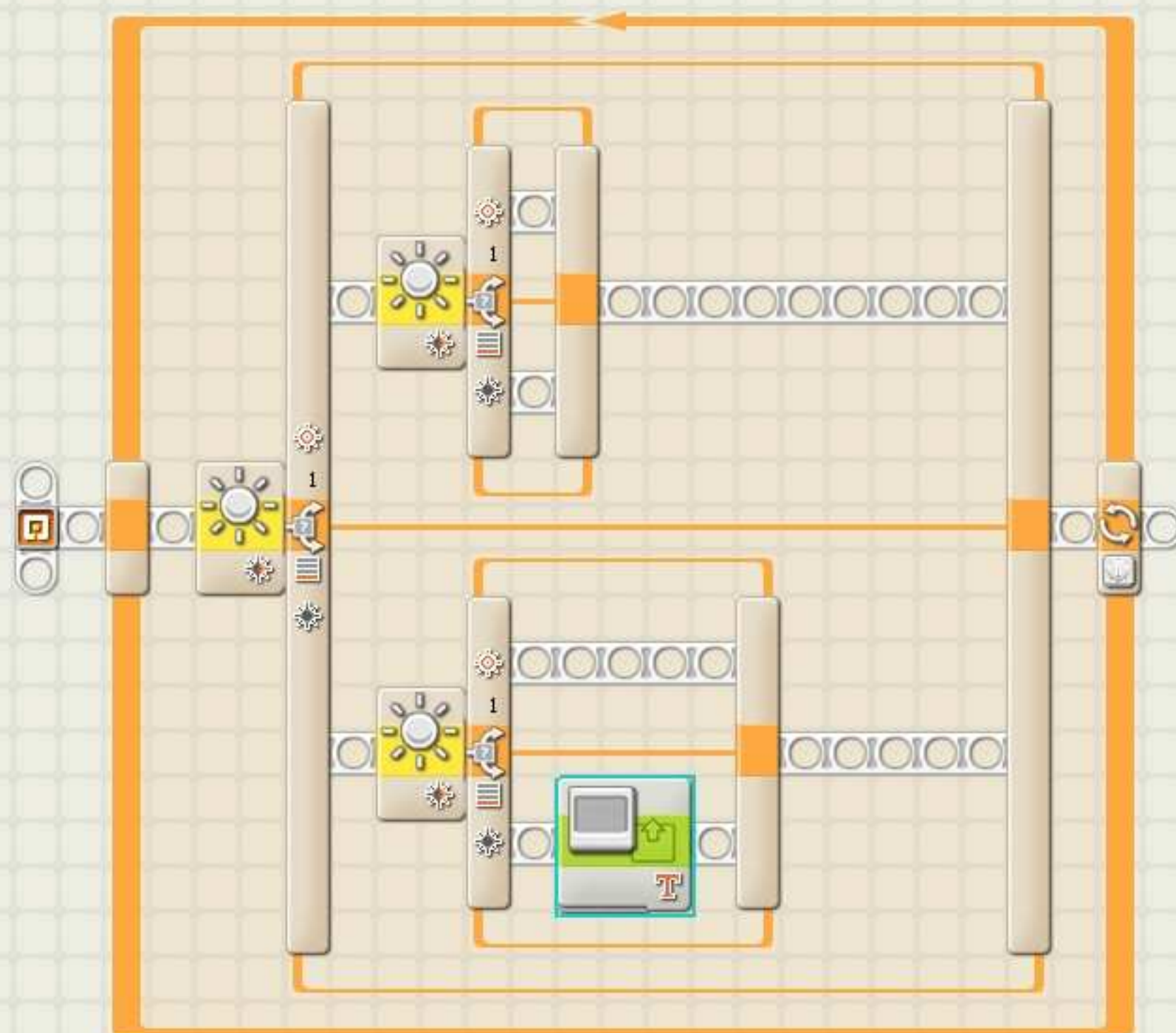
☒  Flat view

 **Function:**



 **Generate light**

Optisenzor1



70

10

Cerna

2

4

Robot Educator



Speaker

Speaker

+ Touch Sensor

☒ Light Sensor

☒ Motor

☐ All

- ⊕ Ultrasonic Sensor

Display

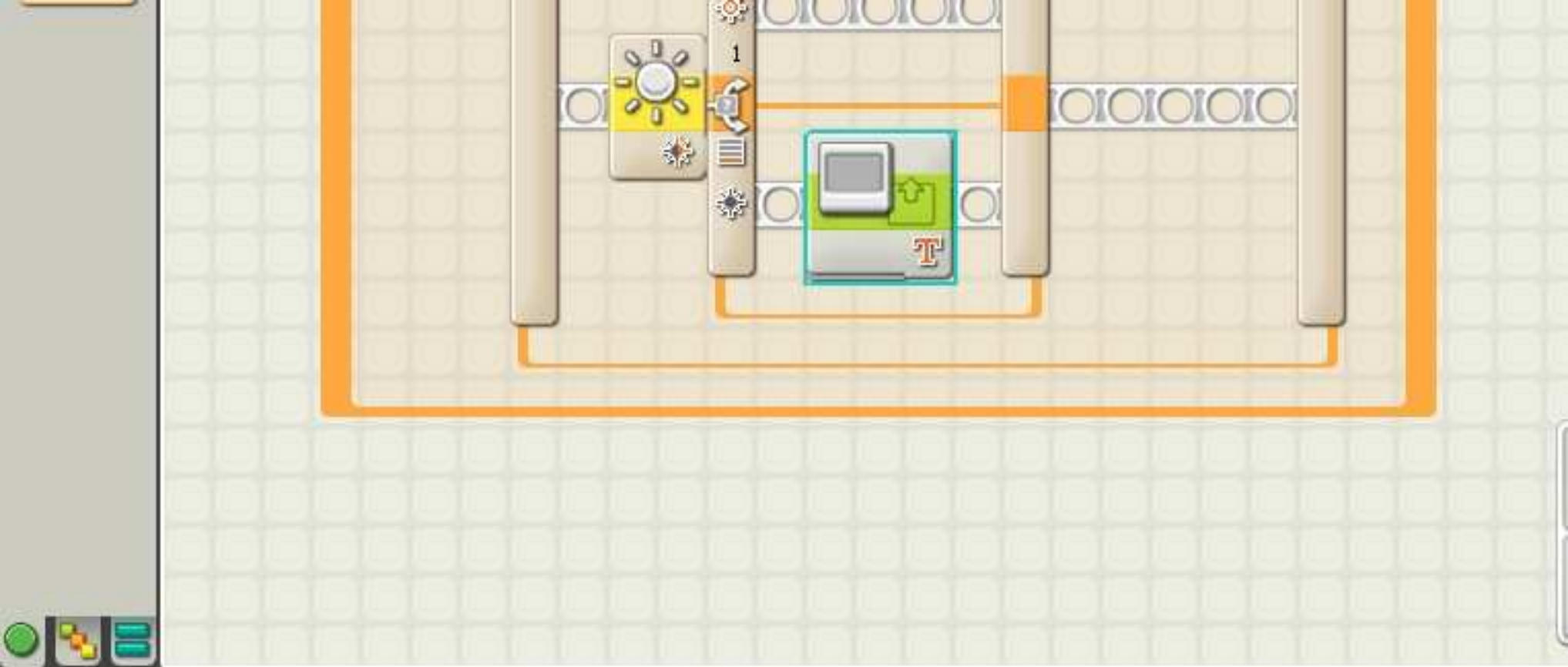
⊕ Lamp

 Sound Sensor

☒ Temperature Sensor

Use this block to display an image, write some text, or draw a shape on the NXT's display screen. Choose "Clear" to start with a fresh screen.

[More help »](#)



Display

Action:  Text

Display: ☒  Clear

Text:  Simple Text

Position: 

X: Y:

Line:

Common

Optisensor1

User Profile: Default

Display

Action: Text

Position: Modra

Display: ☒ Clear

Text: Simple Text Modra

X: 8 Y: 32

Line: 4

Home »

Robot Educator



+ Common Palette



+ Complete Palette



+ Data Logging



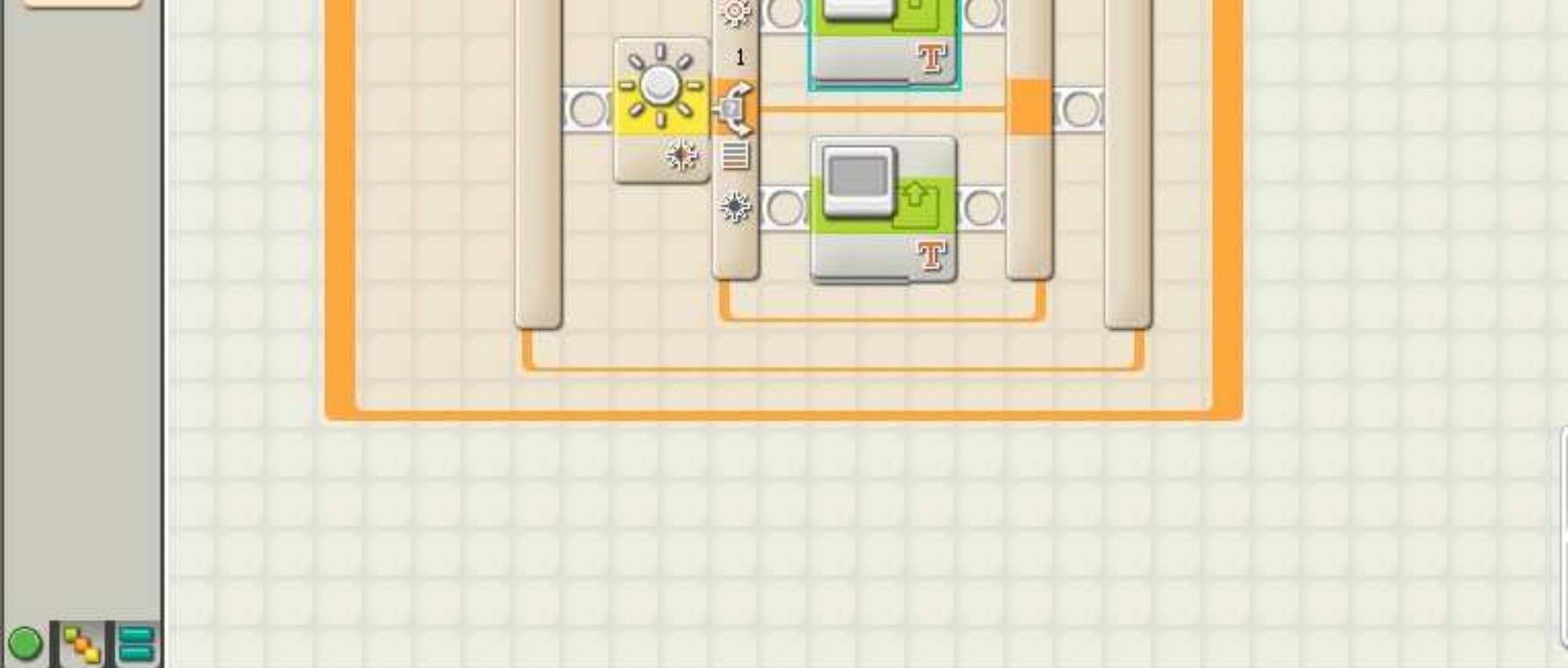
Select:

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

Display Block

Use this block to display an image, write some text, or draw a shape on the NXT's display screen. Choose "Clear" to start with a fresh screen.

[More help »](#)



Display

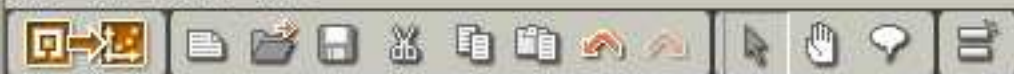
 Action:  Text 

 Display: ☒  Clear

 Text:  Simple Text

Position:   Modra X Y

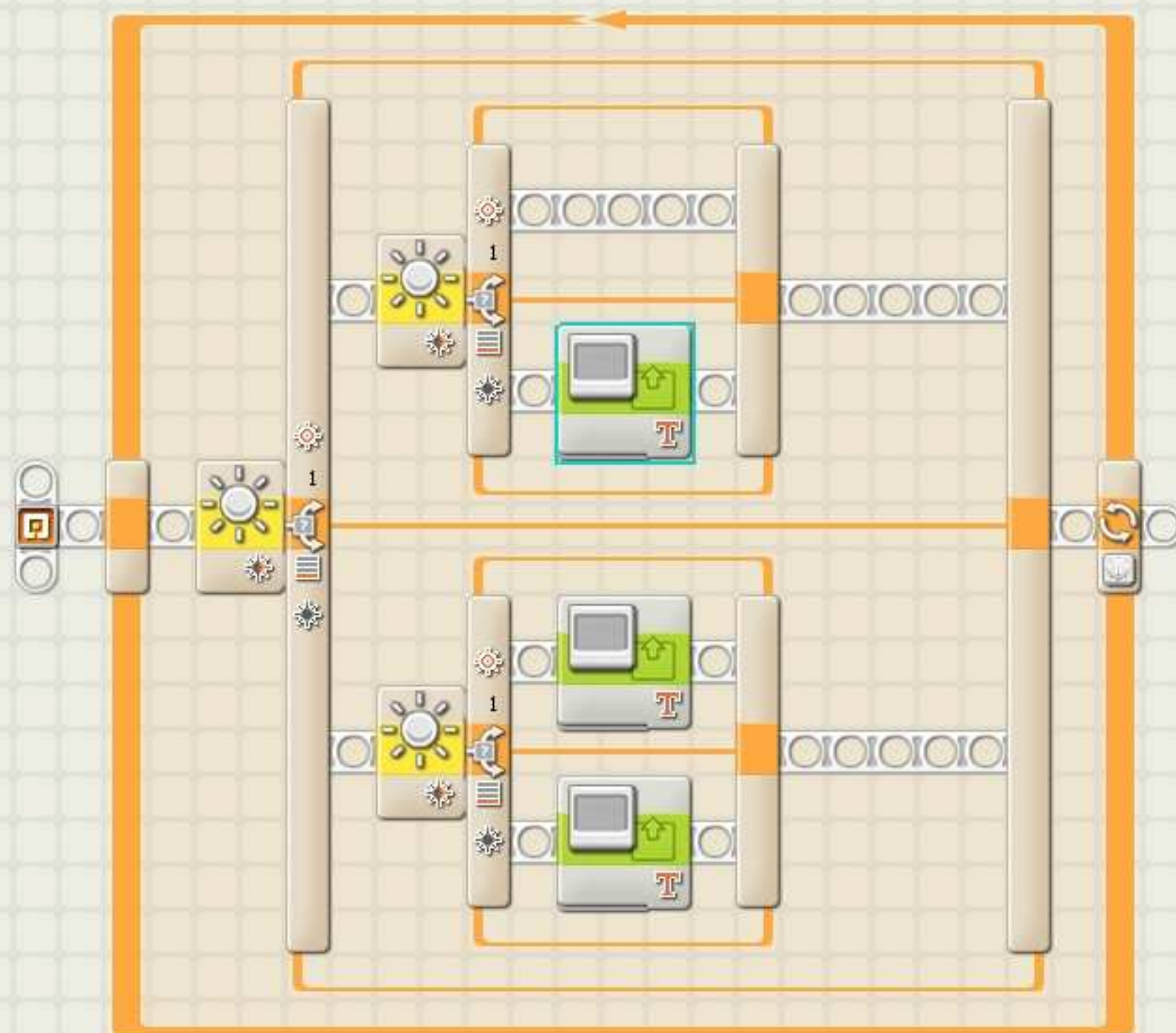
Line: 



User Profile: Default

Common

Optisenzor1



Display

Action: Text

Display: ☒ Clear

Text: Simple Text Hneda

Position:

Hneda

X 8 Y 32

Line: 4

Home >

Robot Educator



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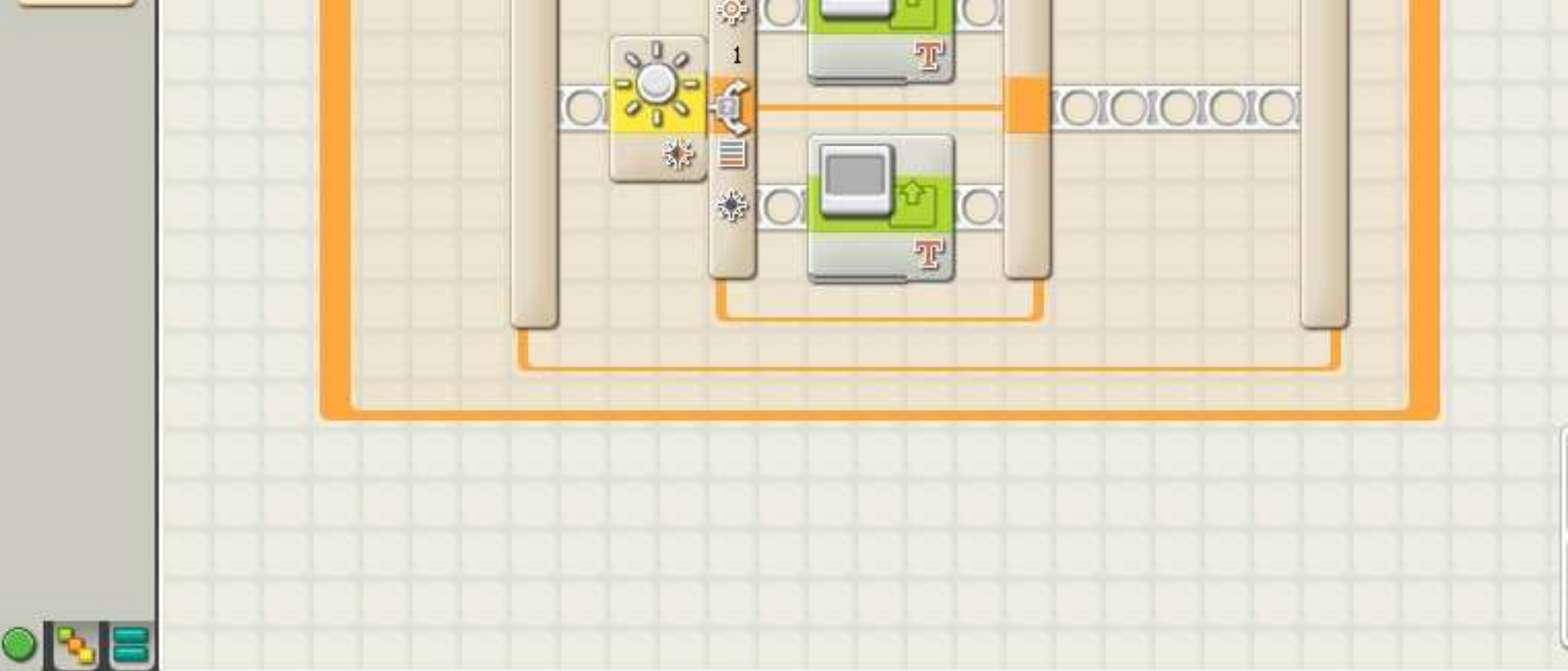
Select:

- | | |
|---------------------------------------|---|
| ☐ Speaker | ☐ Ultrasonic Sensor |
| ☐ Touch Sensor | ☐ Display |
| ☐ Light Sensor | ☐ Lamp |
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Display Block

Use this block to display an image, write some text, or draw a shape on the NXT's display screen. Choose "Clear" to start with a fresh screen.

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Display

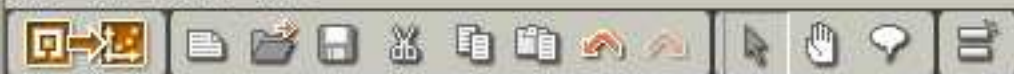
 **Action:**  

 **Display:** ☒  **Clear**

 **Text:**  **Simple Text**

Position:   X Y

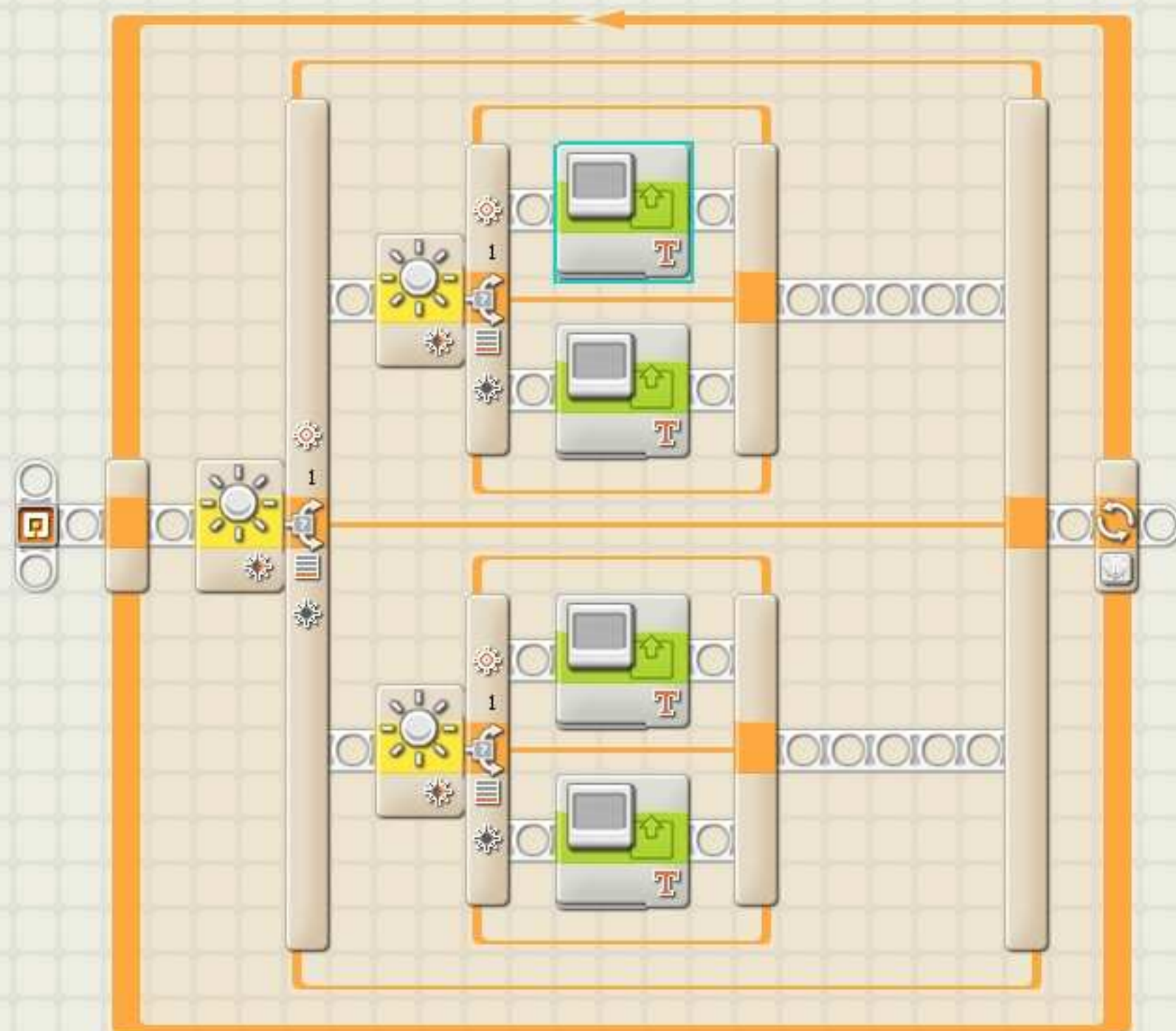
Line: 



User Profile: Default

Common

Optisenzor1



Display

Action: Text

Display: ☒ Clear

Text: Simple Text

Position:

X Y Line:

Home >

Robot Educator



+ Common Palette



+ Complete Palette



+ Data Logging



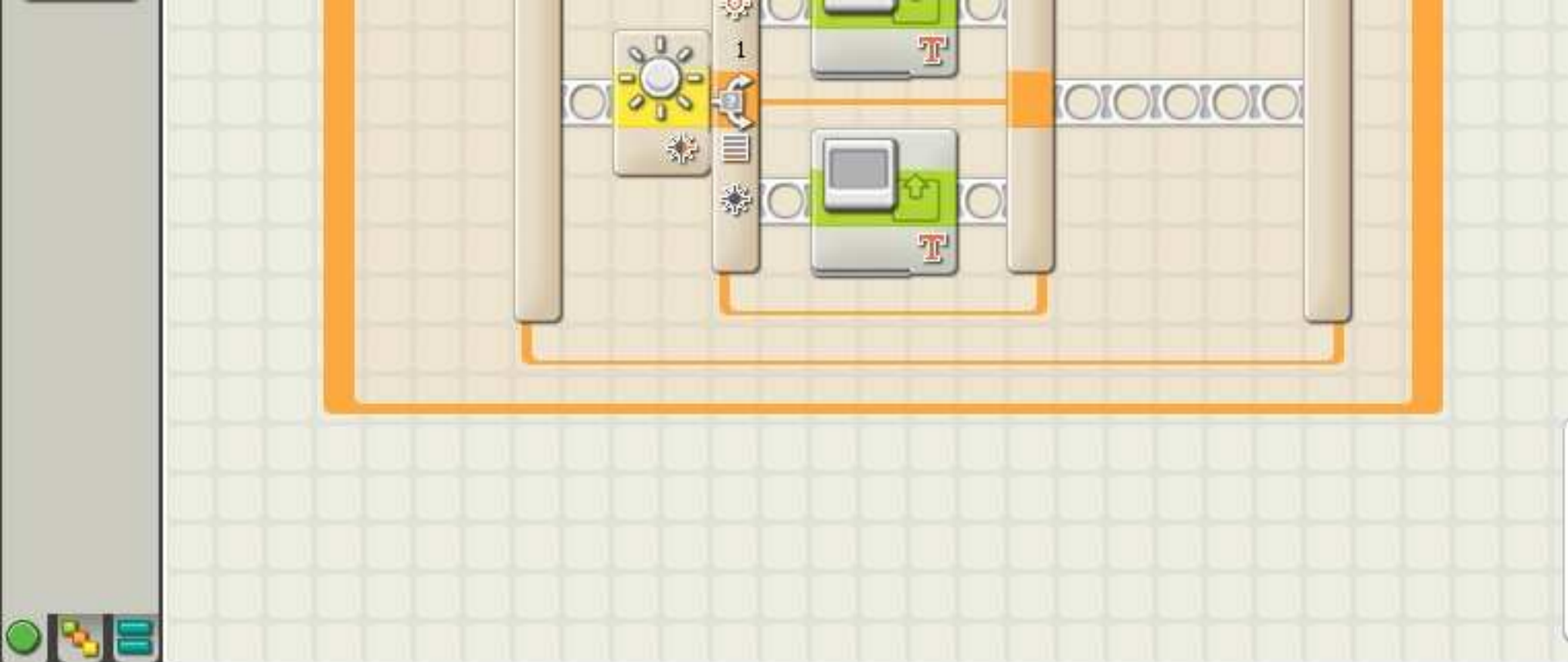
Select:

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

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[More help >](#)



Display

 Action:  Text

 Display: ☒  Clear

 Text:  Simple Text Zluta

Position:  Zluta

X: 8 Y: 32

Line: 4