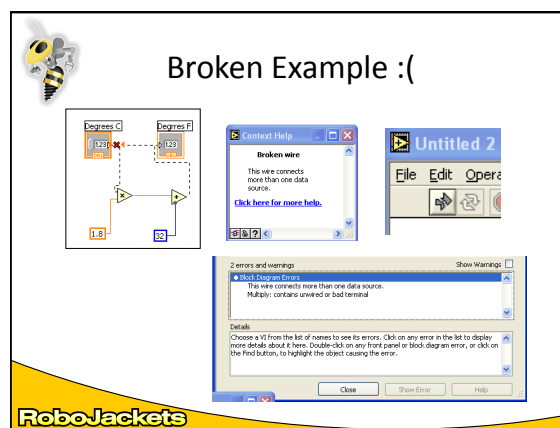


It's Broken :(

- Finding Errors**
 Click on broken **Run** button. Window showing Error appears.
- Execution Highlighting**
 Click on **Execution Highlighting**; data flow is animated using bubbles. Values are displayed on wires.
- Probes**
 Right click on a wire to display a probe which shows data as it flows through the wire segment.

You can also select the probe tool from the Tools palette and click on a wire.

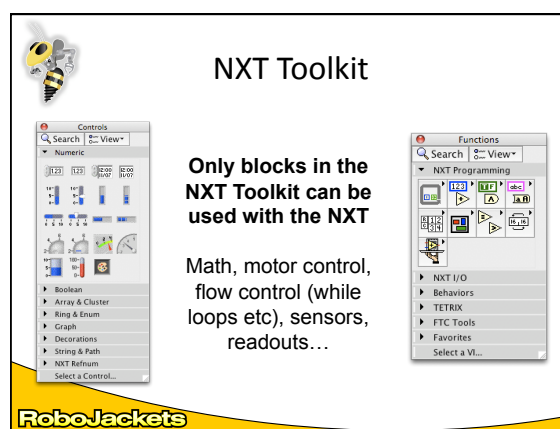
RoboJackets



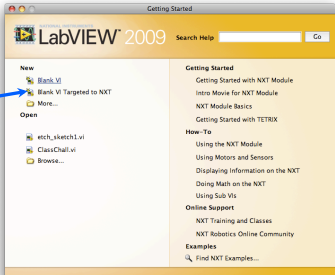
Protips

- <Ctrl+H> – Context Help
- <Ctrl+E> – Toggle Between Front Panel and Block Diagram
- <Ctrl+Z> – Undo
- <Ctrl+B> – Remove Broken Wires from Block Diagram

RoboJackets



NXT Toolkit Activity



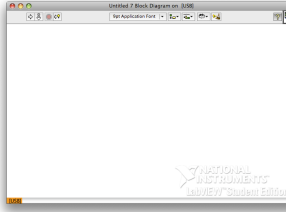
Make a new VI Targeted to NXT

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NXT Toolkit Activity

Bring up the **Block Diagram**

- Control-E
- Window >> Show Block Diagram

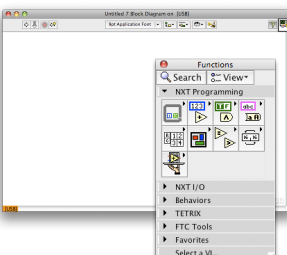


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NXT Toolkit Activity

Bring up the **Functions Palette**

- Left Click
- View >> Functions Palette

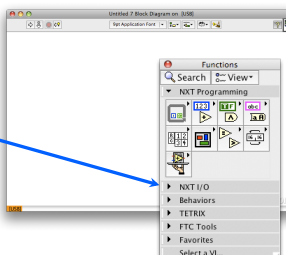


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NXT Toolkit Activity

Select the **NXT I/O Menu**

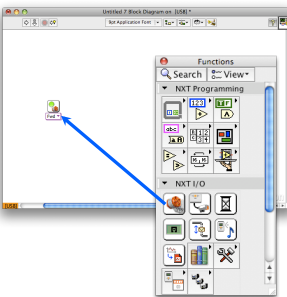
- Click NXT I/O



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NXT Toolkit Activity

Drag a **Motor** into the VI

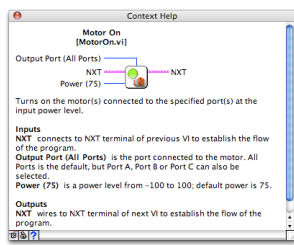


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NXT Toolkit Activity

Context Help shows us how to connect to the motor VI

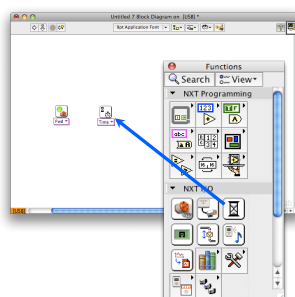
- CNTRL-H
- Help >> Context Help



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NXT Toolkit Activity

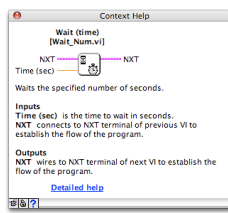
Drag a **Timer** into the VI



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NXT Toolkit Activity

Examine the **Context Help** to Specify the time

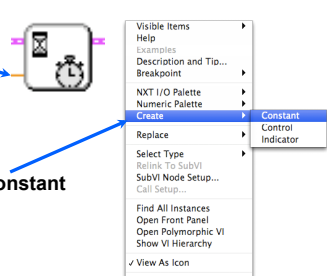


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NXT Toolkit Activity

Right Click on the **Time** input

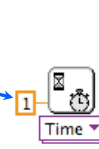
Select **Create >> Constant**



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NXT Toolkit Activity


Change **value** to 2



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NXT Toolkit Activity

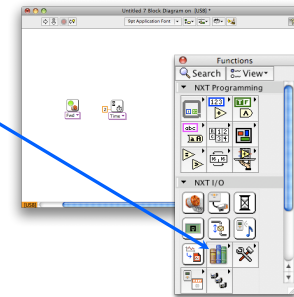
Change **value** to 2



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NXT Toolkit Activity

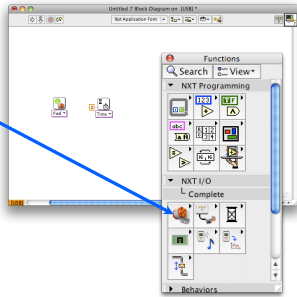
Click **Complete**



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NXT Toolkit Activity

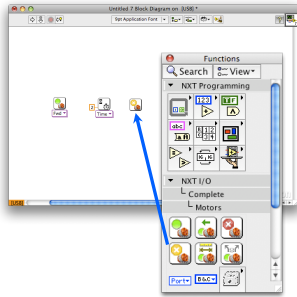
Click **Motors**



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NXT Toolkit Activity

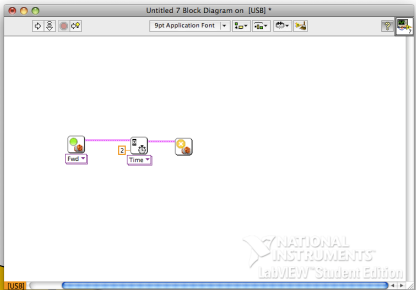
Drag **Motor Coast** onto the block diagram



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NXT Toolkit Activity


Wire the blocks together



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NXT Toolkit Activity

- Connect the **NXT**
- Run the VI by pressing the **Run** button
- Load the VI onto the NXT with the **Deploy** button



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