



GAME

RoboJackets



Final Competition

REMINDER!

- Saturday, November 14, 2009!
- FTC Scrimmage
- Free food!



Final Competition

- **Schedule**

- 8:30 AM – Teams Arrive & Setup
- 9:15 AM – Opening
- 9:35 AM – Free Practice
- 10:45 AM – Matches
- 11:45 AM – Lunch
- 12:45 PM – Matches
- 2:45 PM – Closing and Awards
- 3:30 PM – Everybody is outta here!



FTC Competition

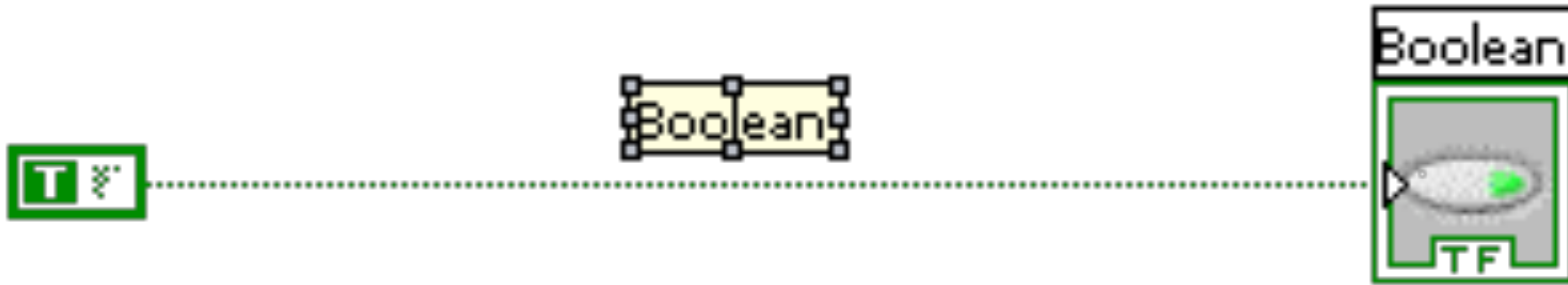
video



NUMBERS

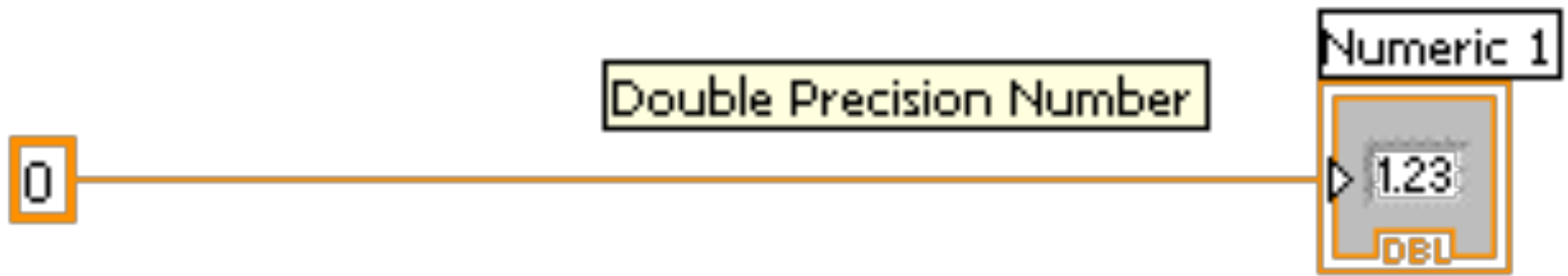


Data Types



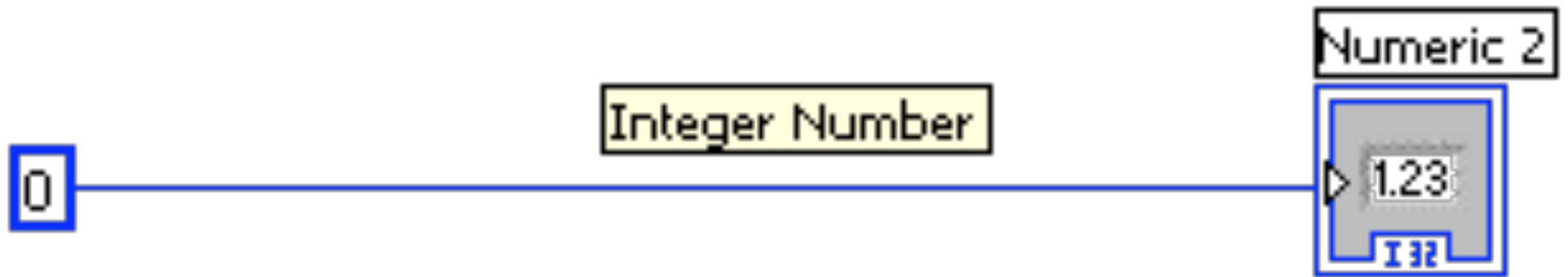


Data Types





Data Types





Data Types

0 + 0i

Complex Number

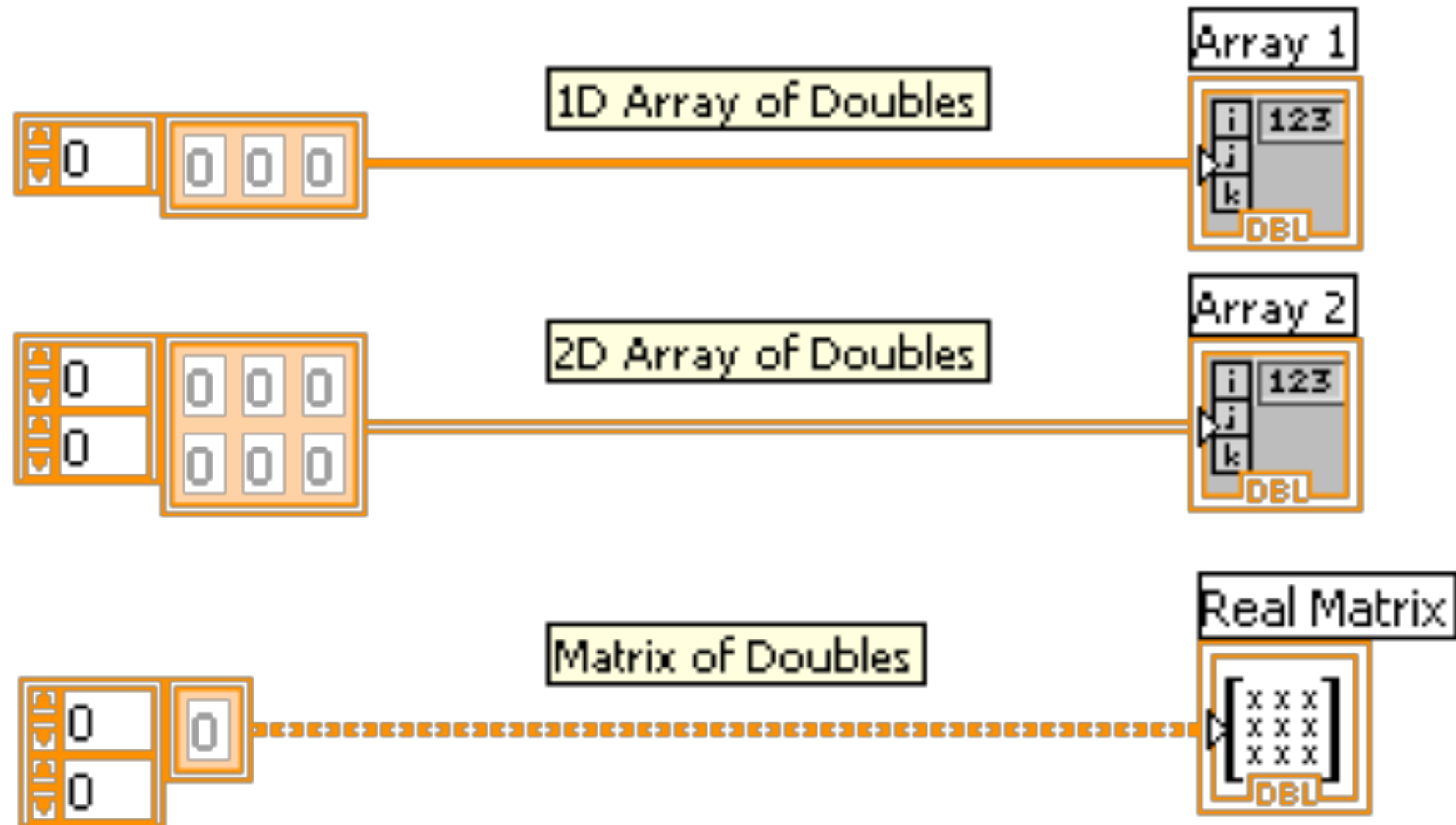
Numeric 3

1.23

CXT

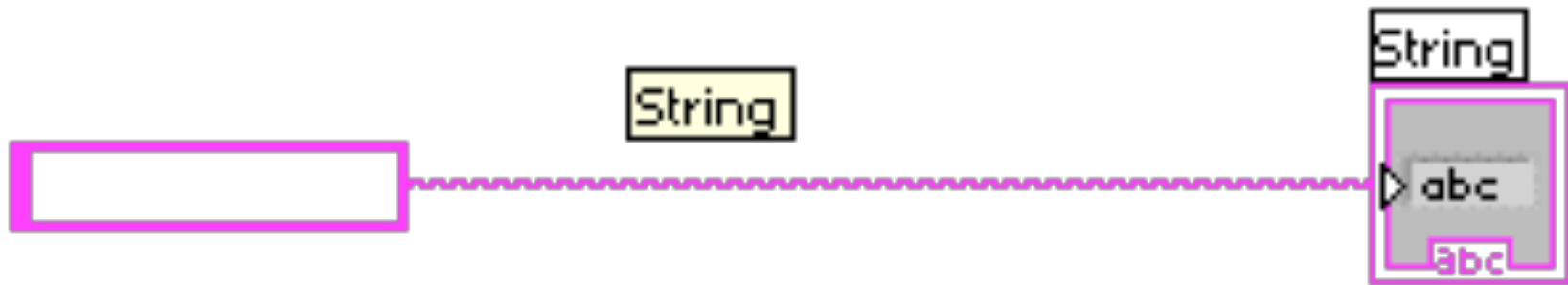


Data Types





Data Types





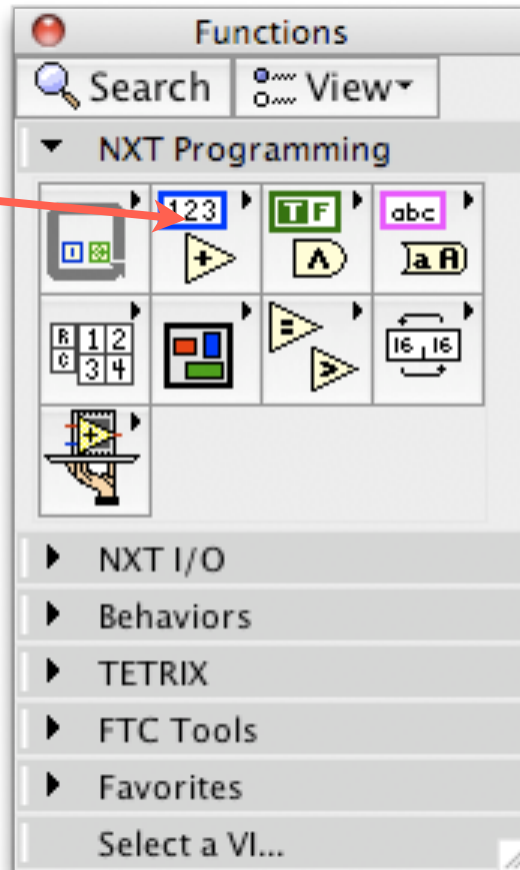
MATH

RoboJackets



Numeric

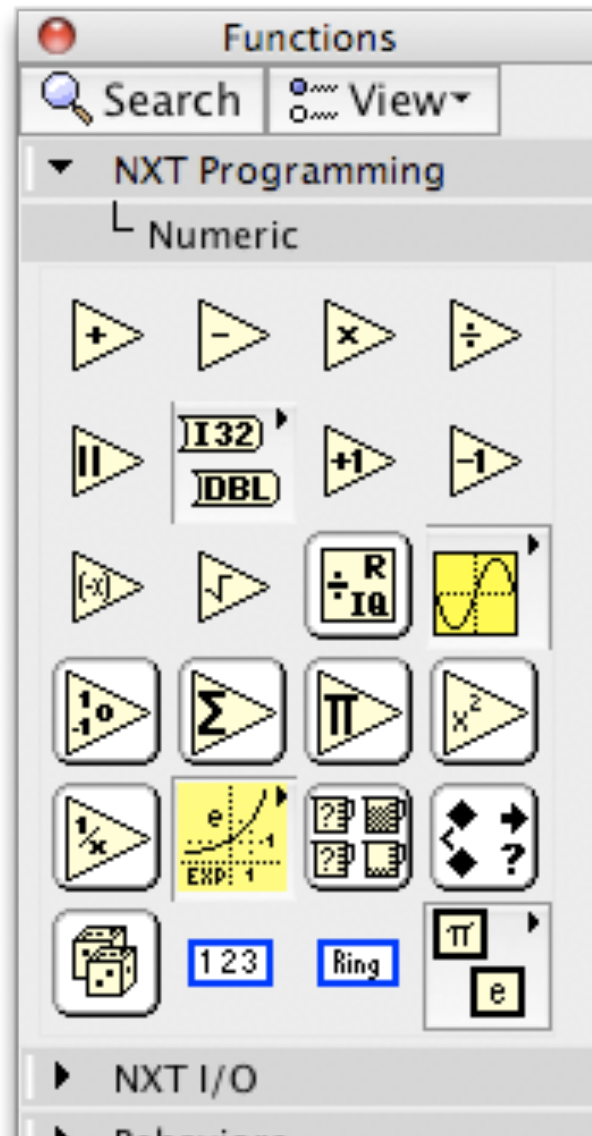
Numeric
Boolean
String



Array
Cluster
Comparison



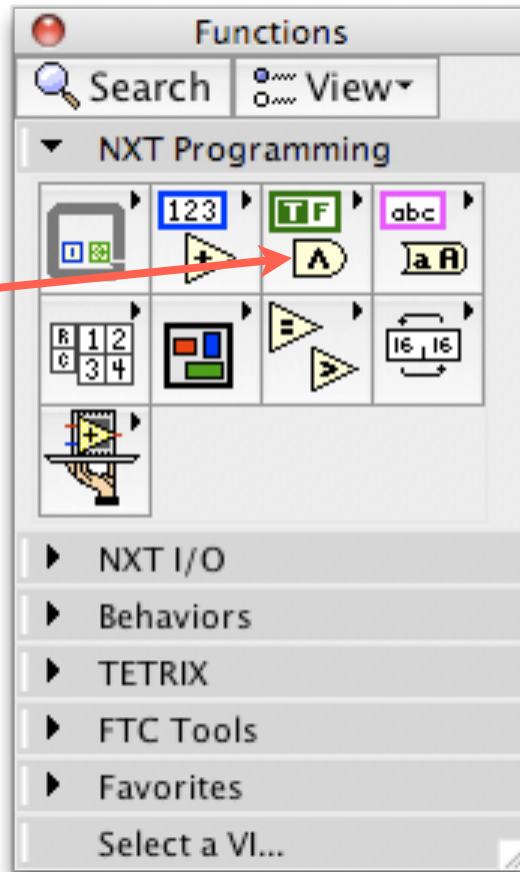
Numeric





Boolean

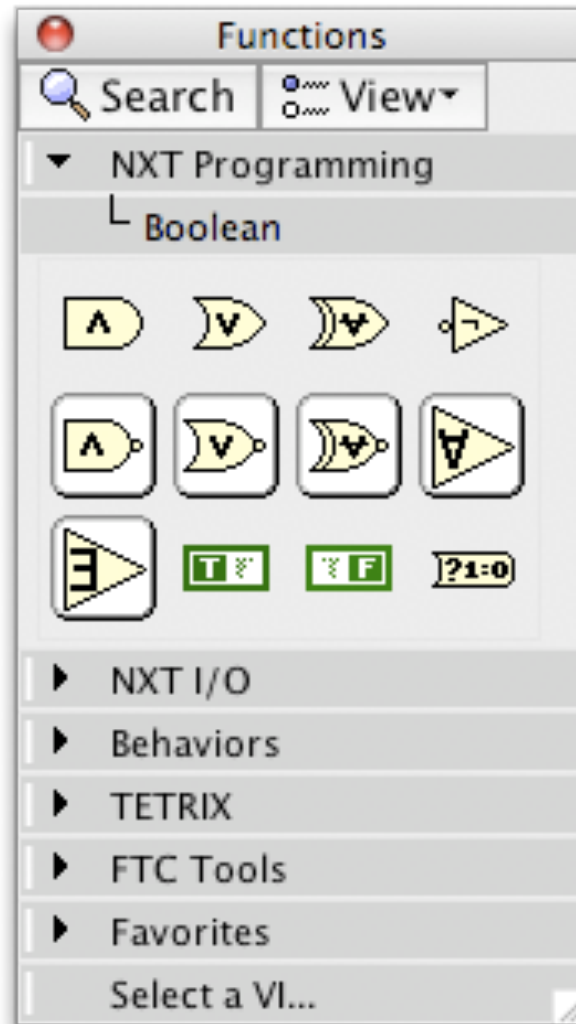
Numeric
Boolean
String



Array
Cluster
Comparison



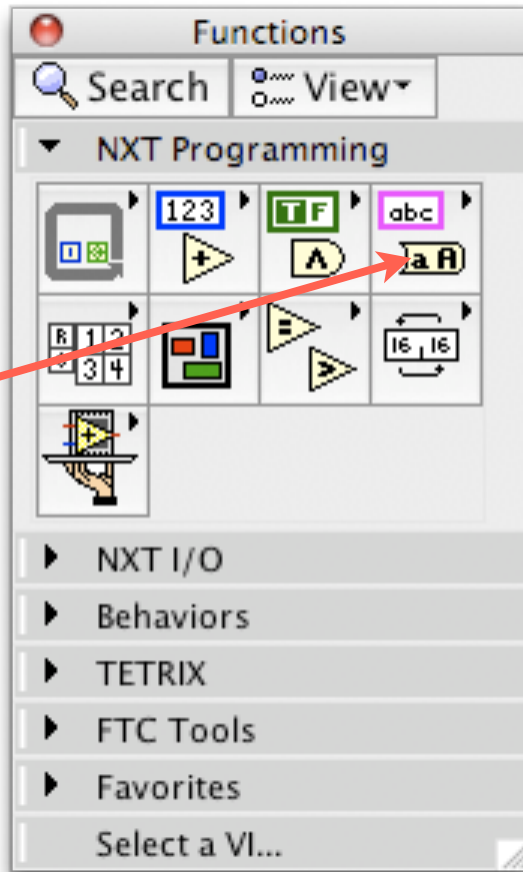
Boolean





String

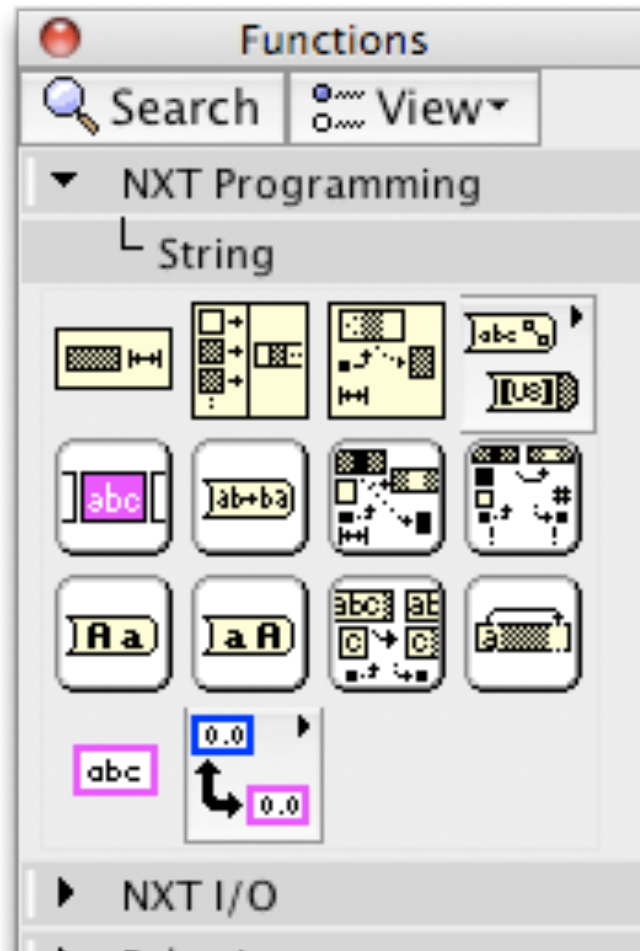
Numeric
Boolean
String



Array
Cluster
Comparison



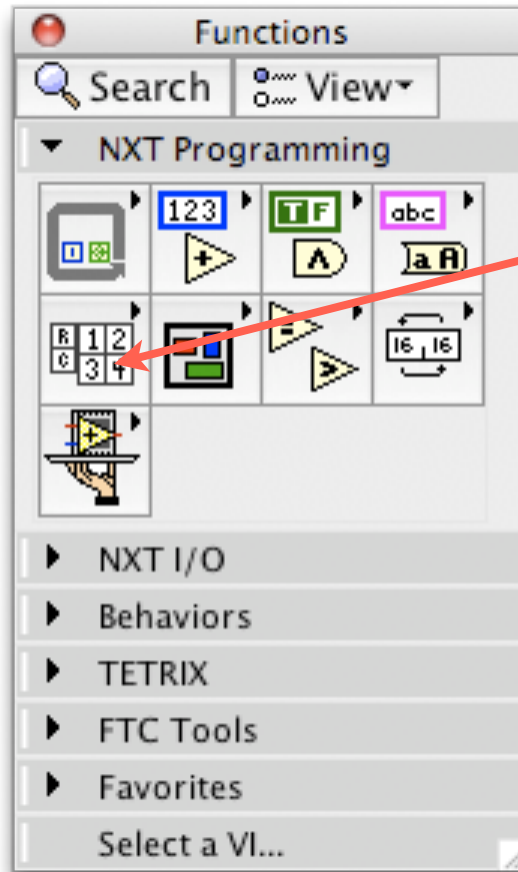
String





Math

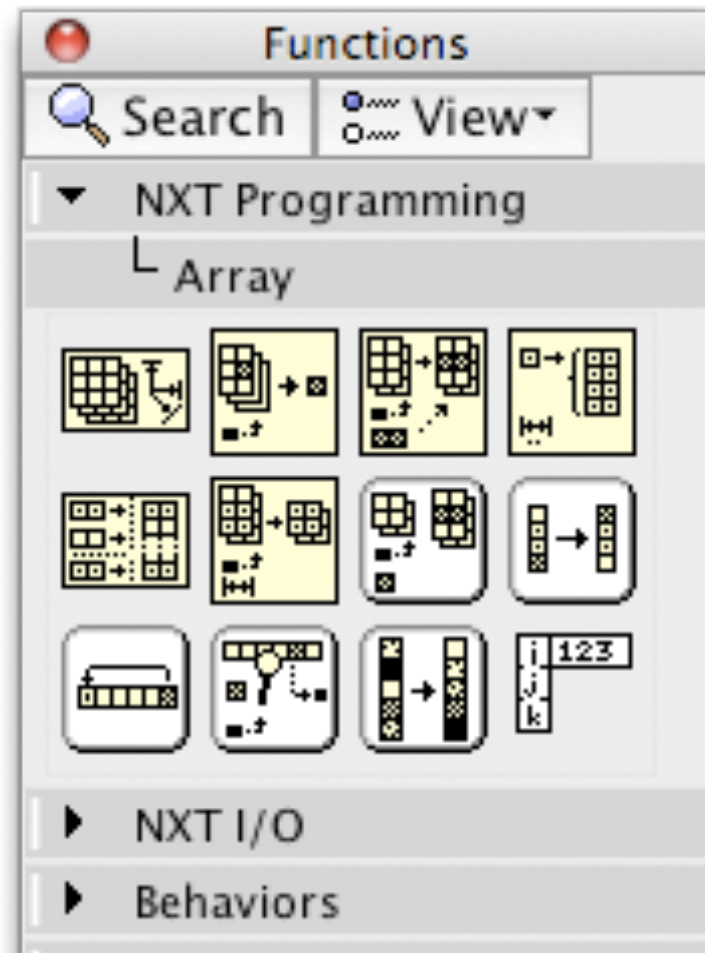
Numeric
Boolean
String



Array
Cluster
Comparison



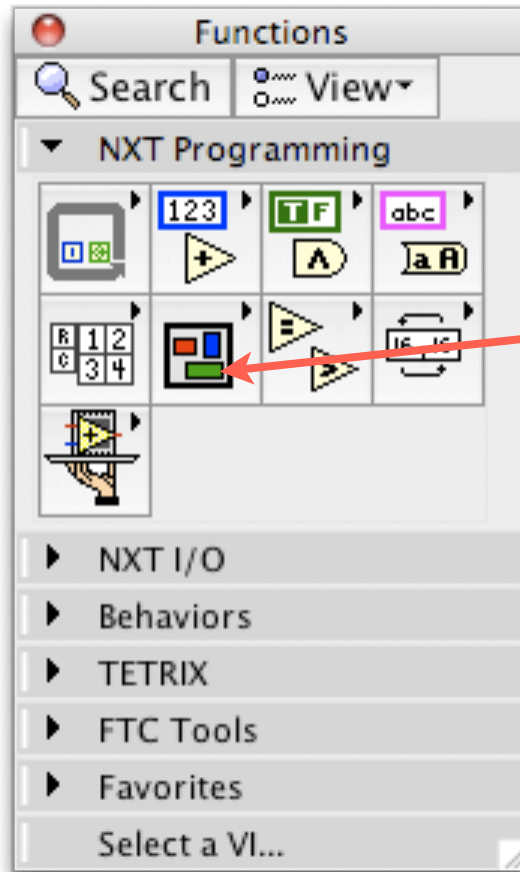
Array





Cluster

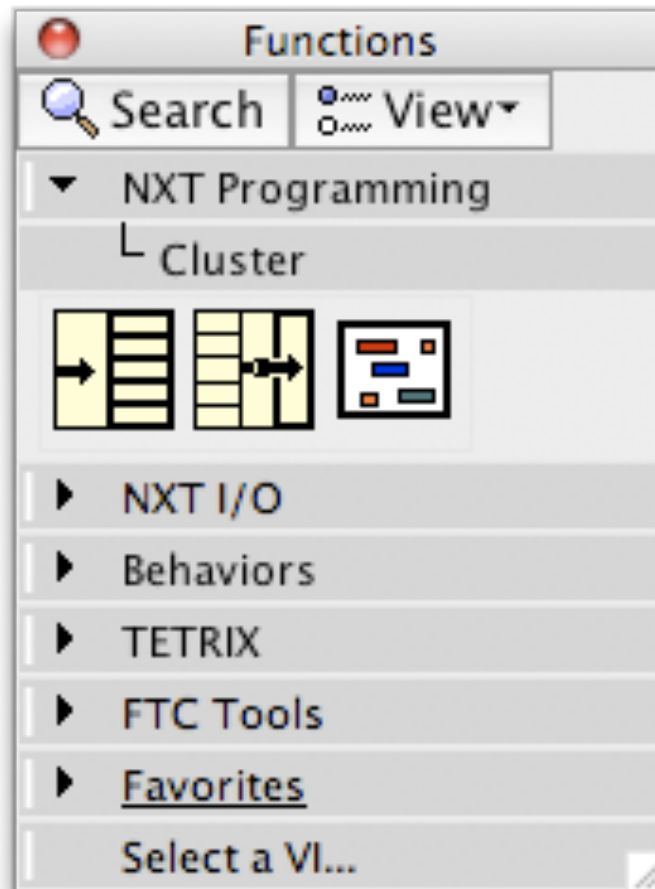
Numeric
Boolean
String



Array
Cluster
Comparison



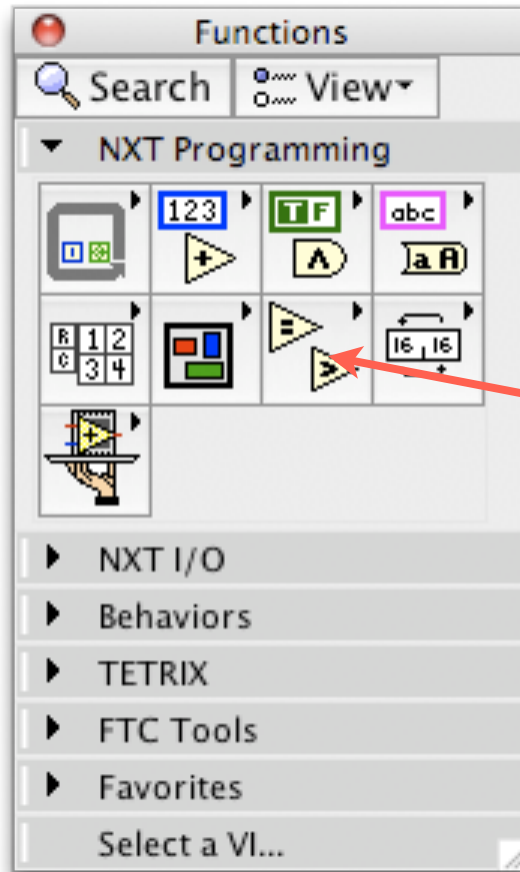
Cluster





Math

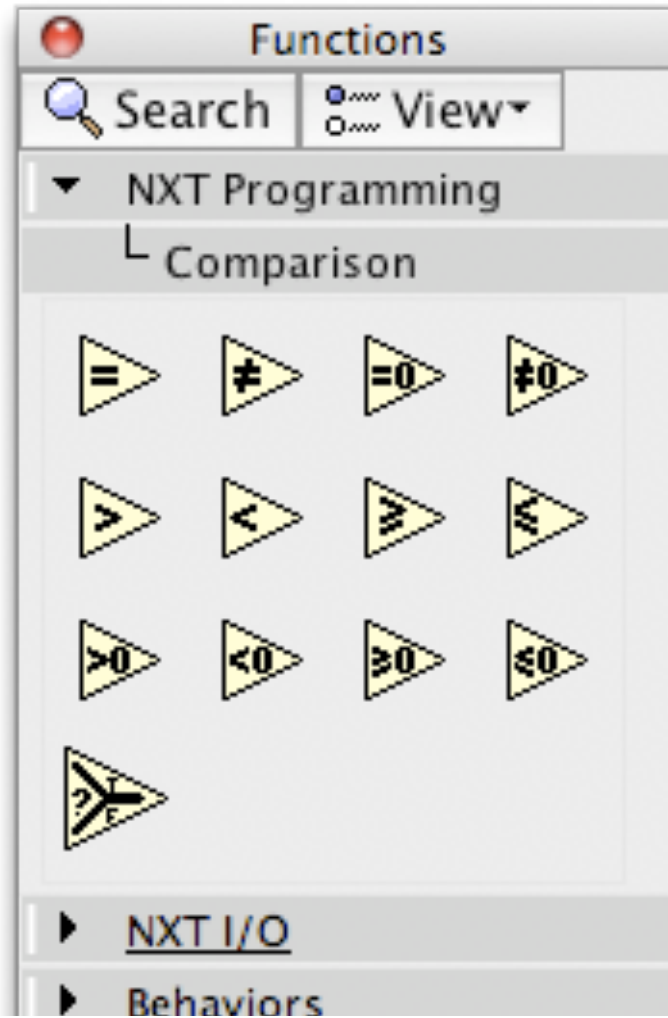
Numeric
Boolean
String



Array
Cluster
Comparison



Comparison





SENSORS

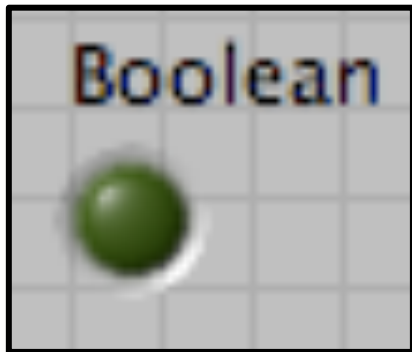


Sensors

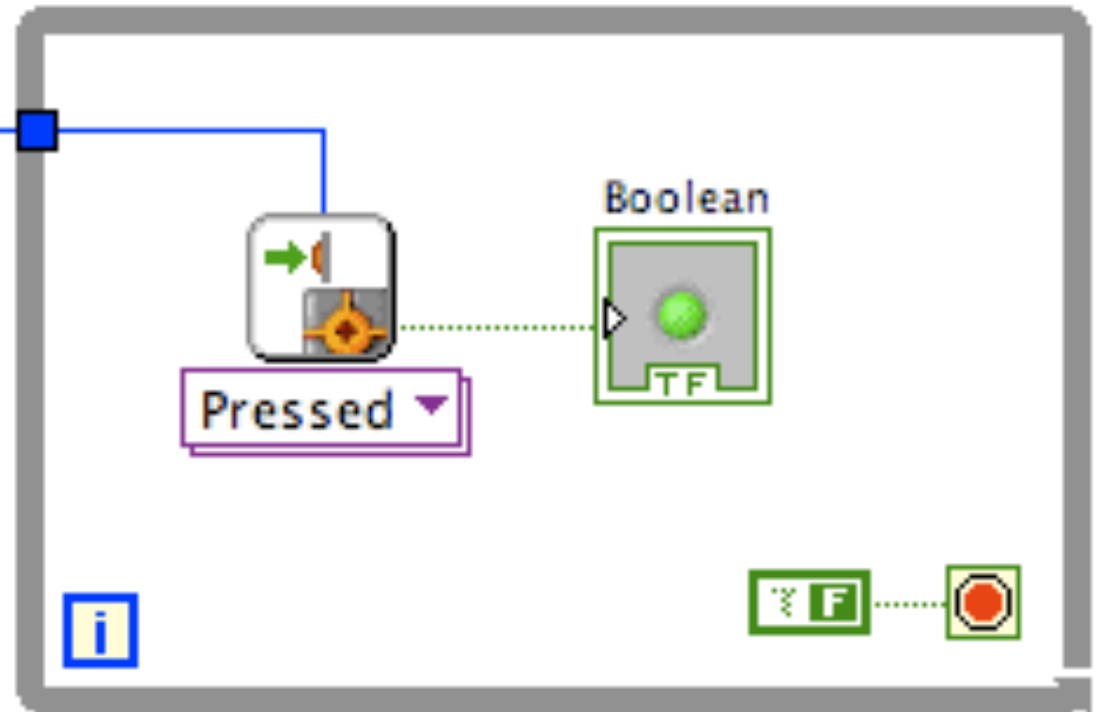
- Touch
- Light (previously)
- Ultrasonic (Distance)
- Sound
- Wheel Position (encoding)



Touch Sensor



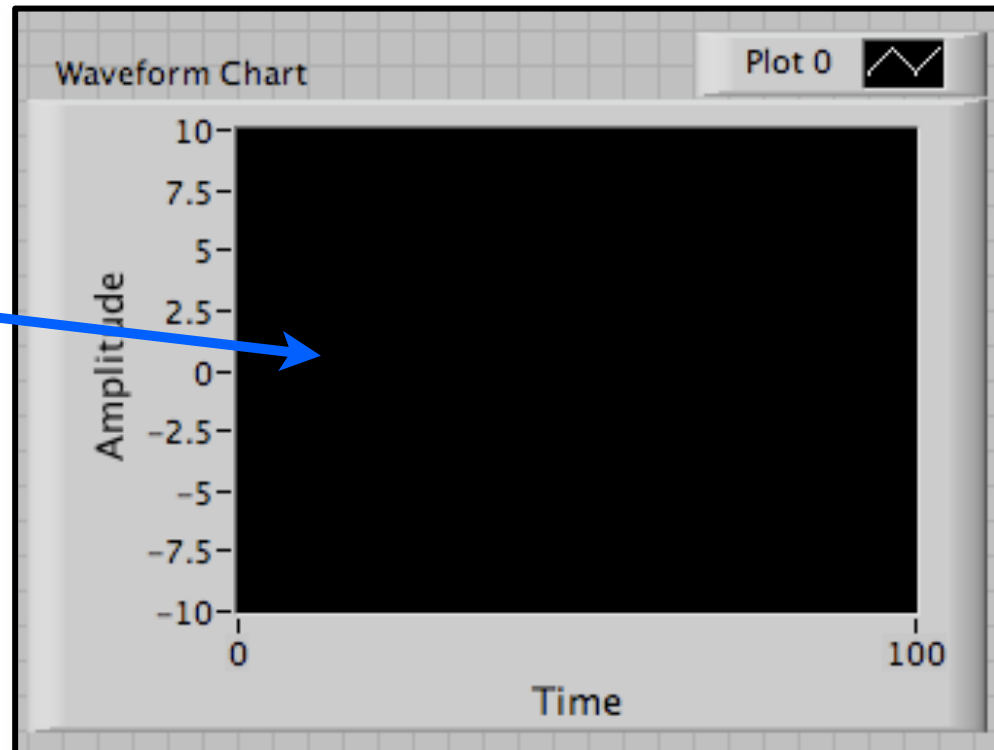
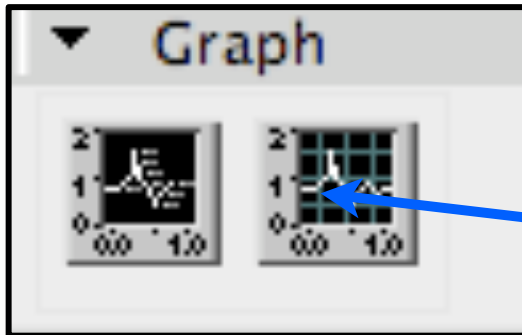
Port 4 ▼





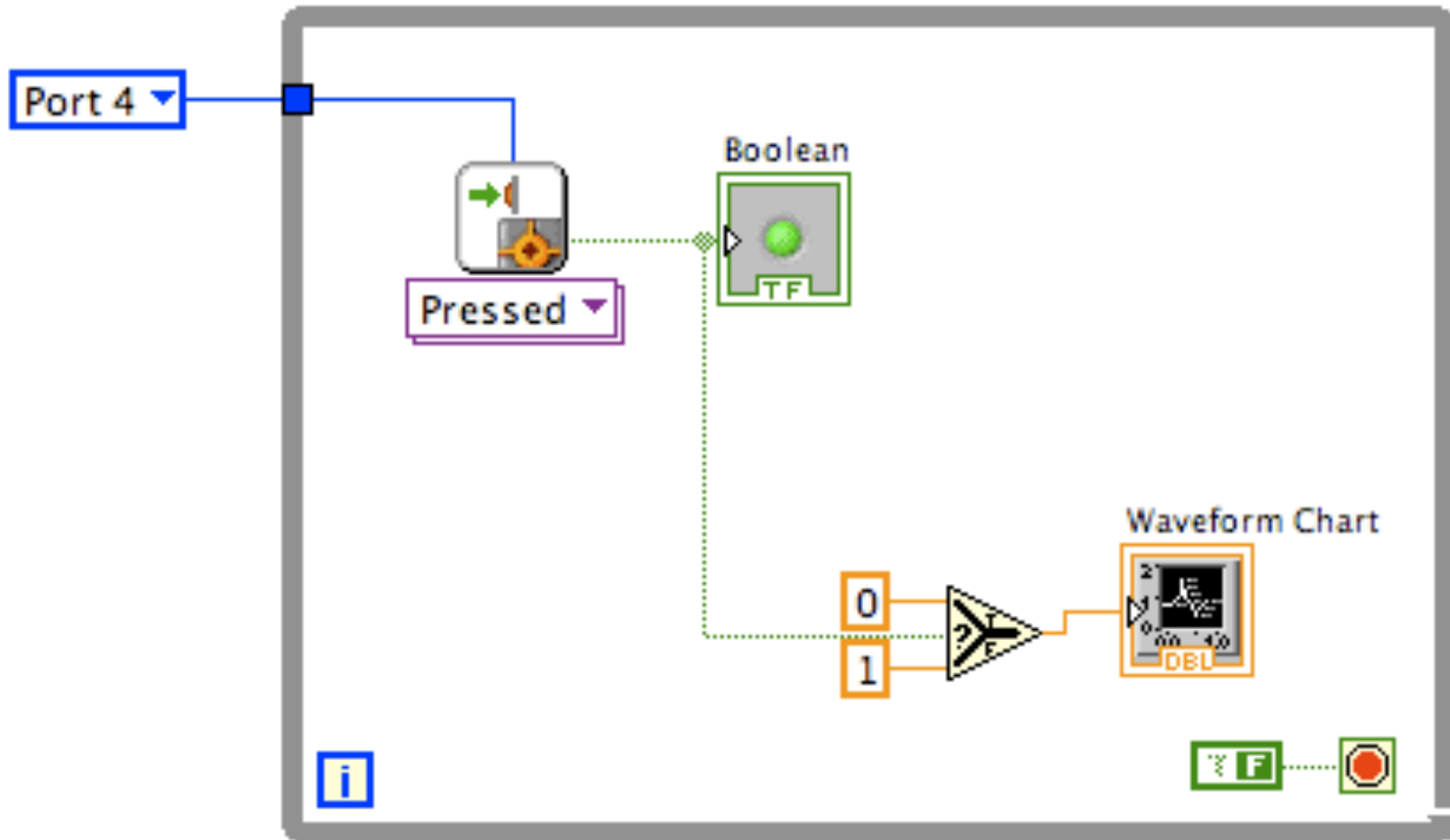
Touch Sensor

Add a waveform chart!





Touch Sensor & Math

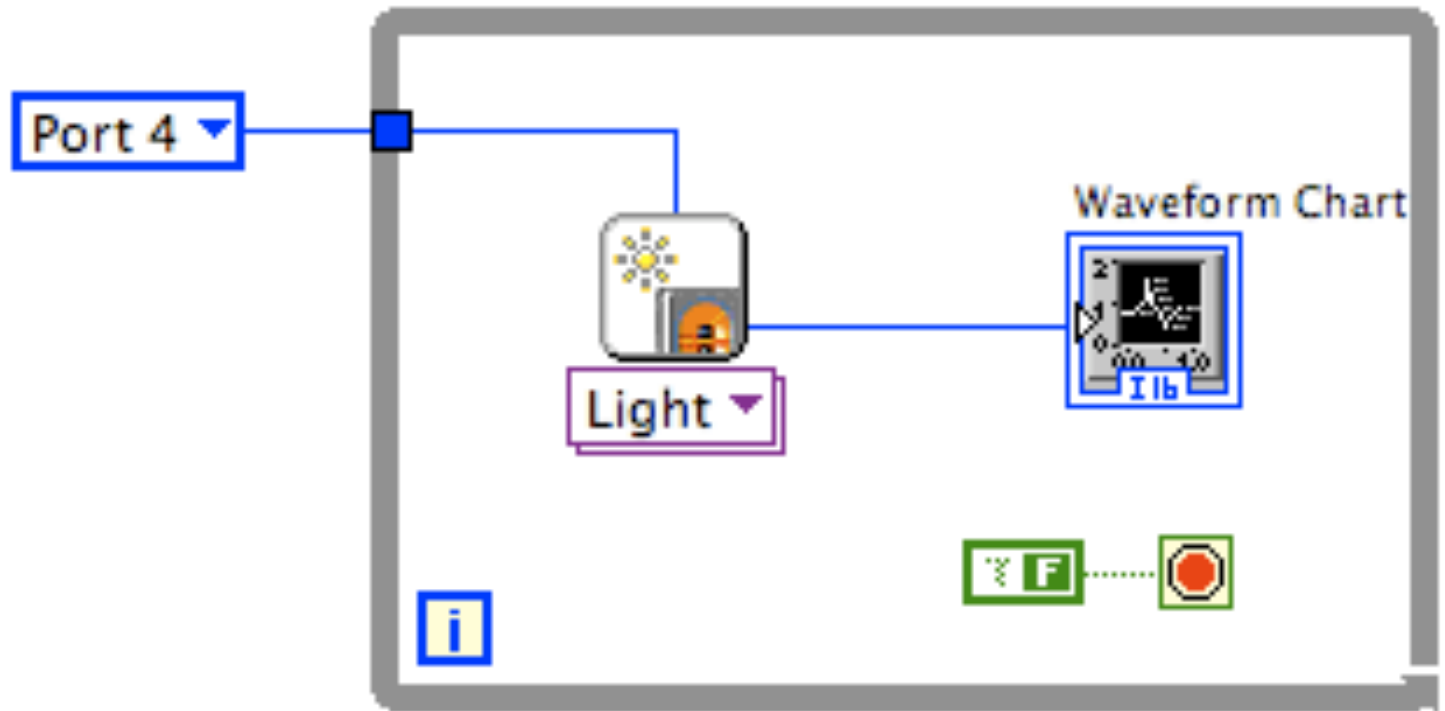




Light Sensor



Let's do another demo!

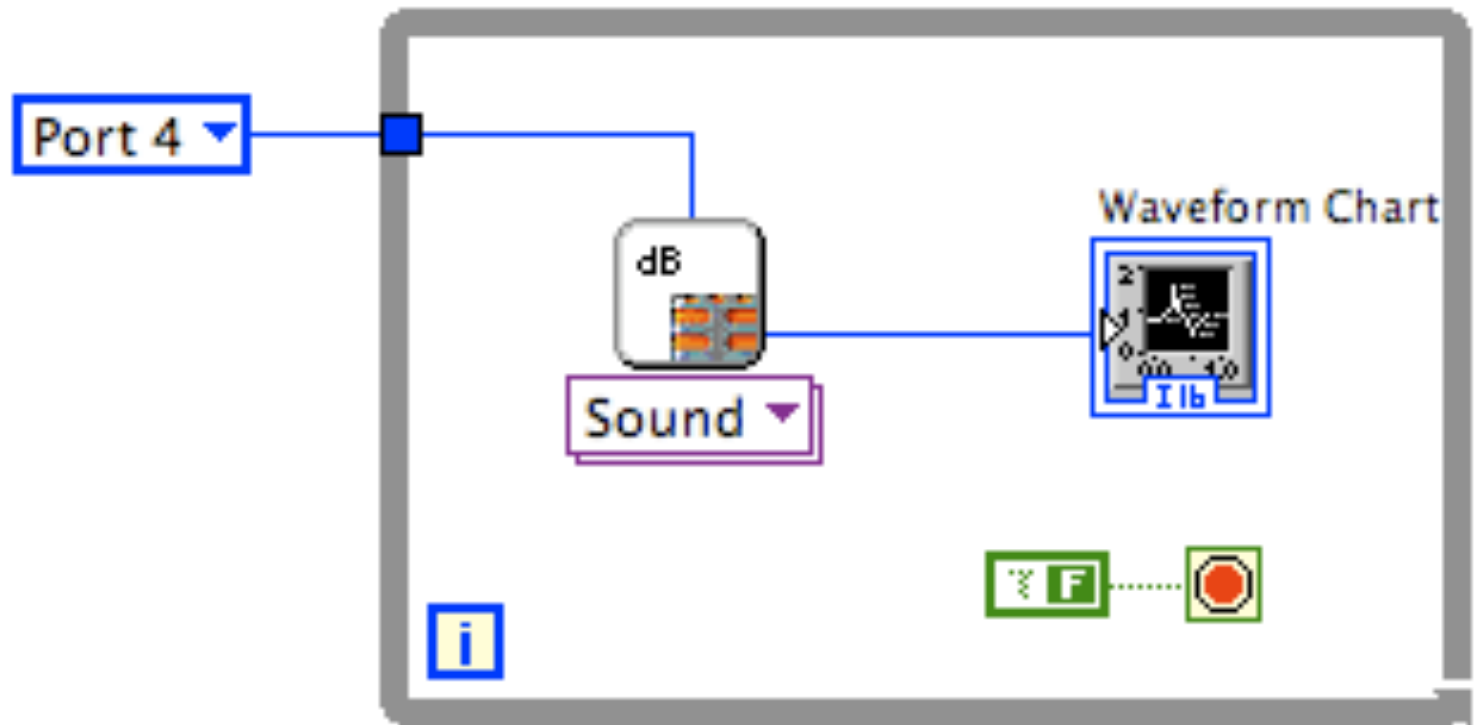




Sound Sensor

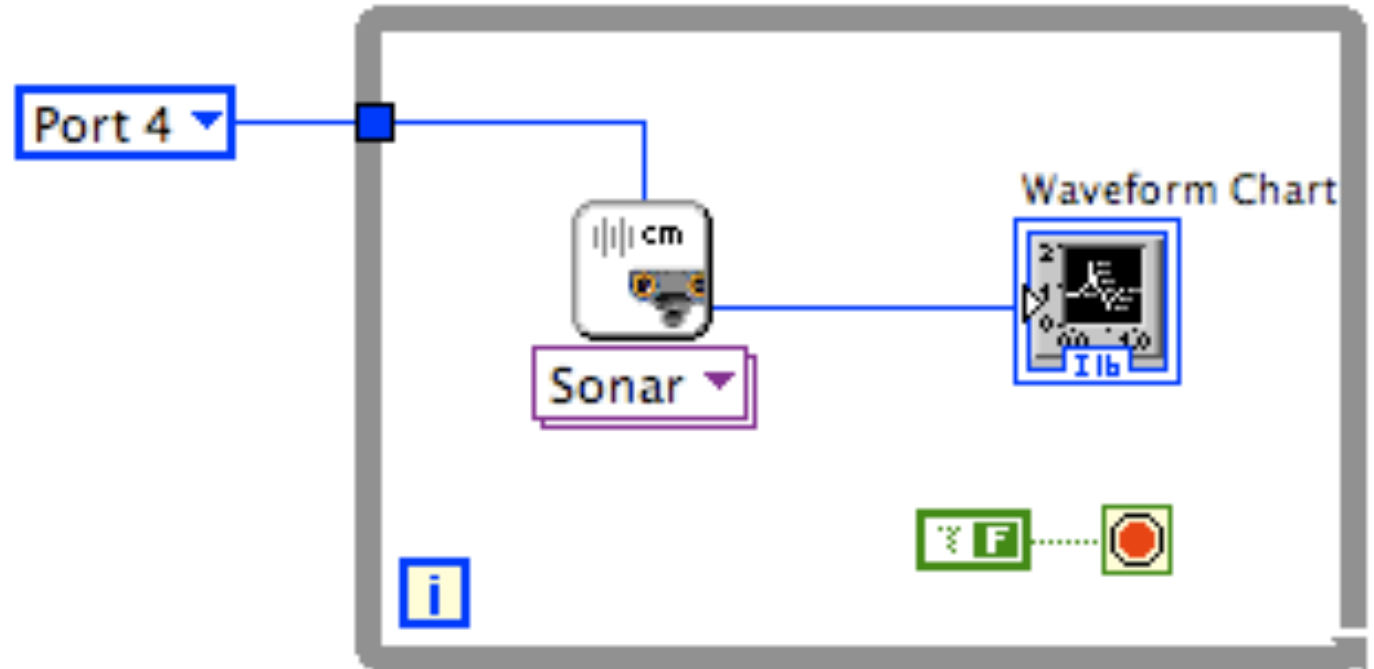


Let's do another demo!





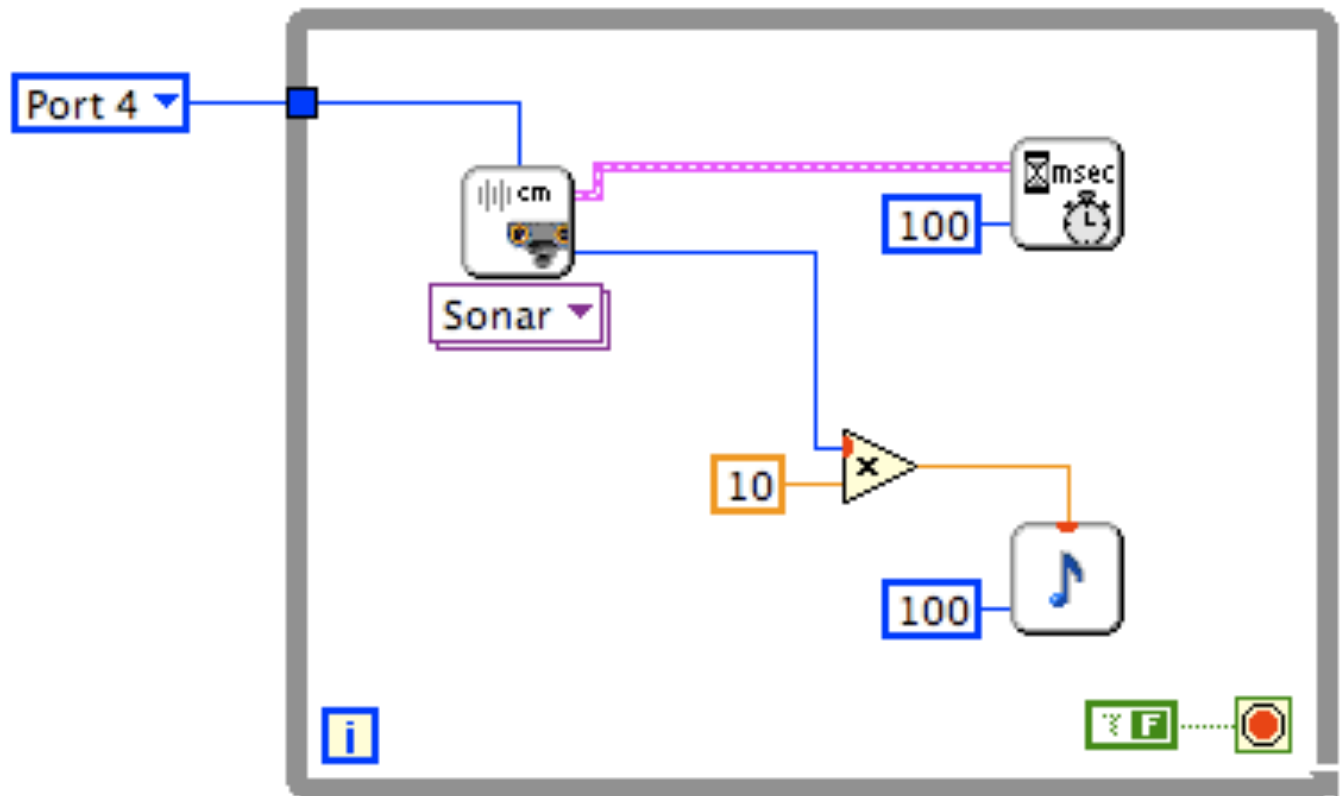
Ultrasonic Sensor





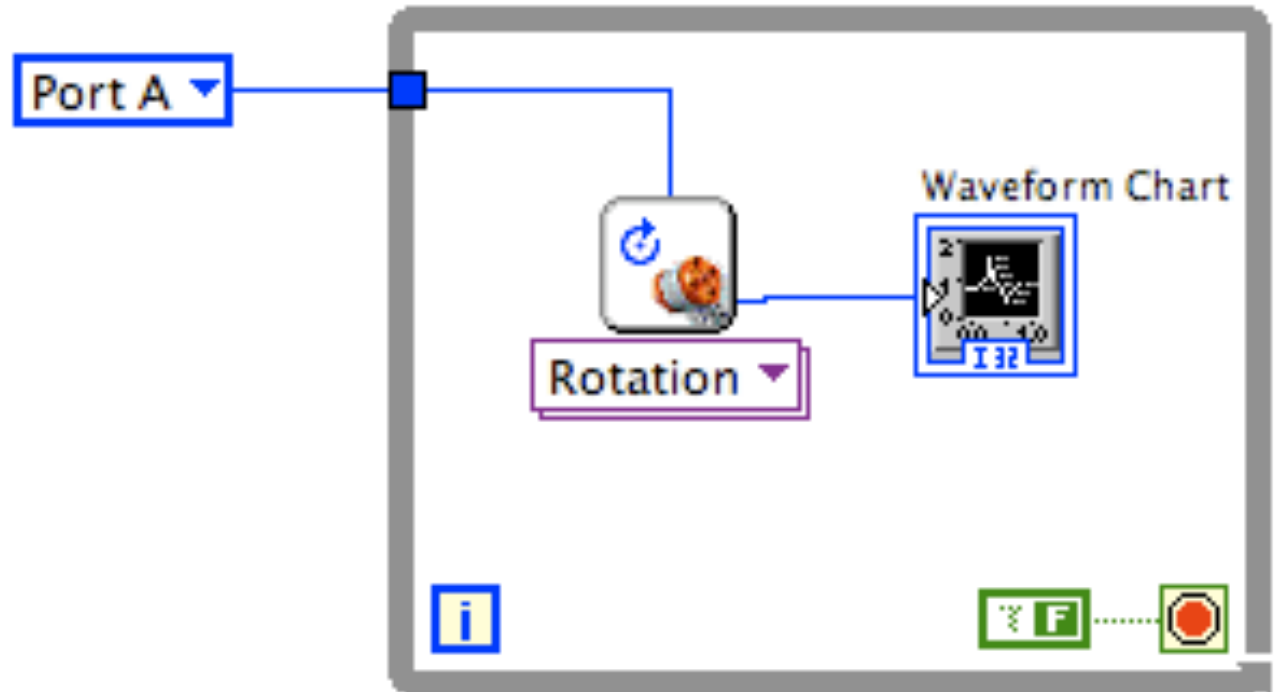
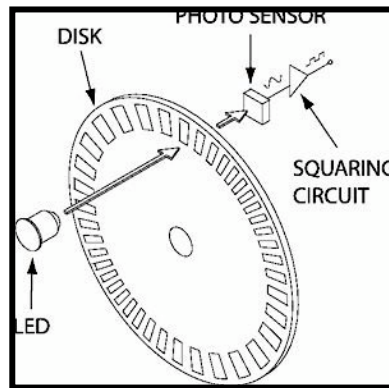
Ultrasonic Sensor

Theremin!





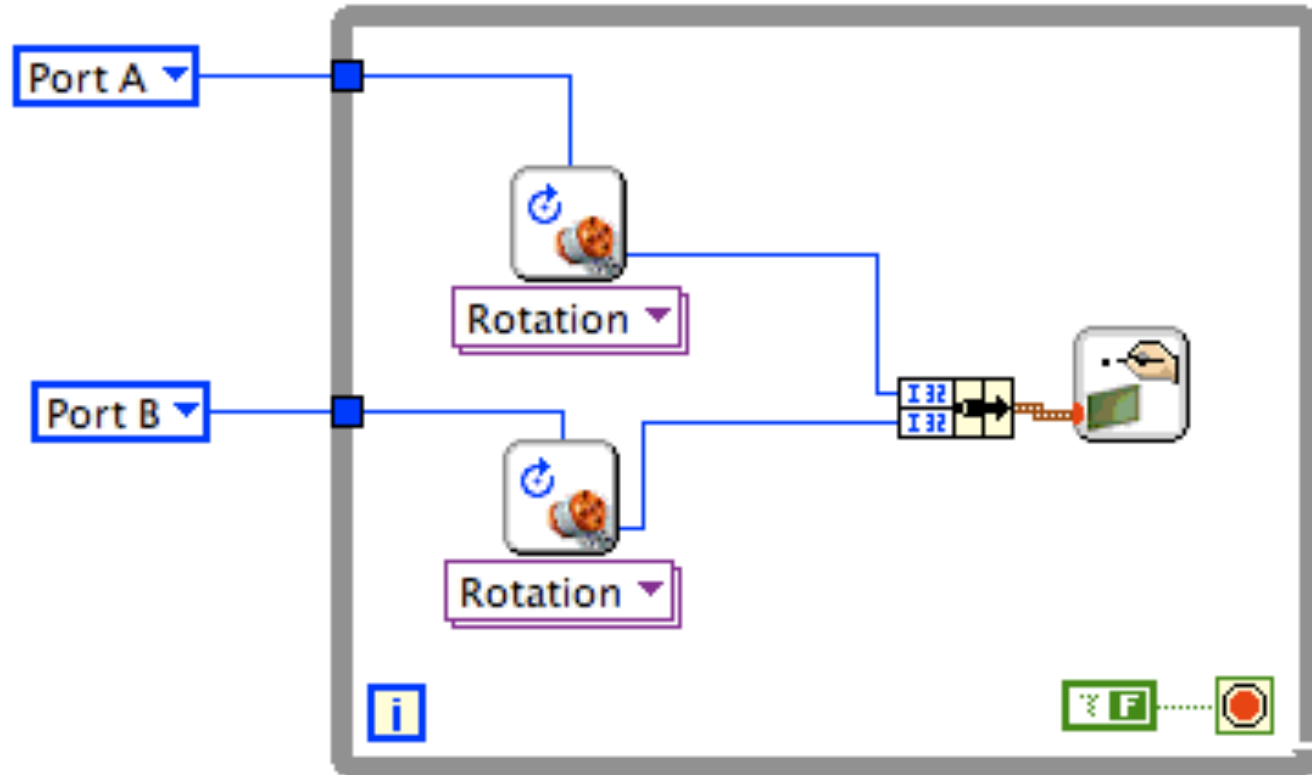
Rotation Sensor





Rotation Sensor

Etch-A-Sketch!





DRIVE BASE

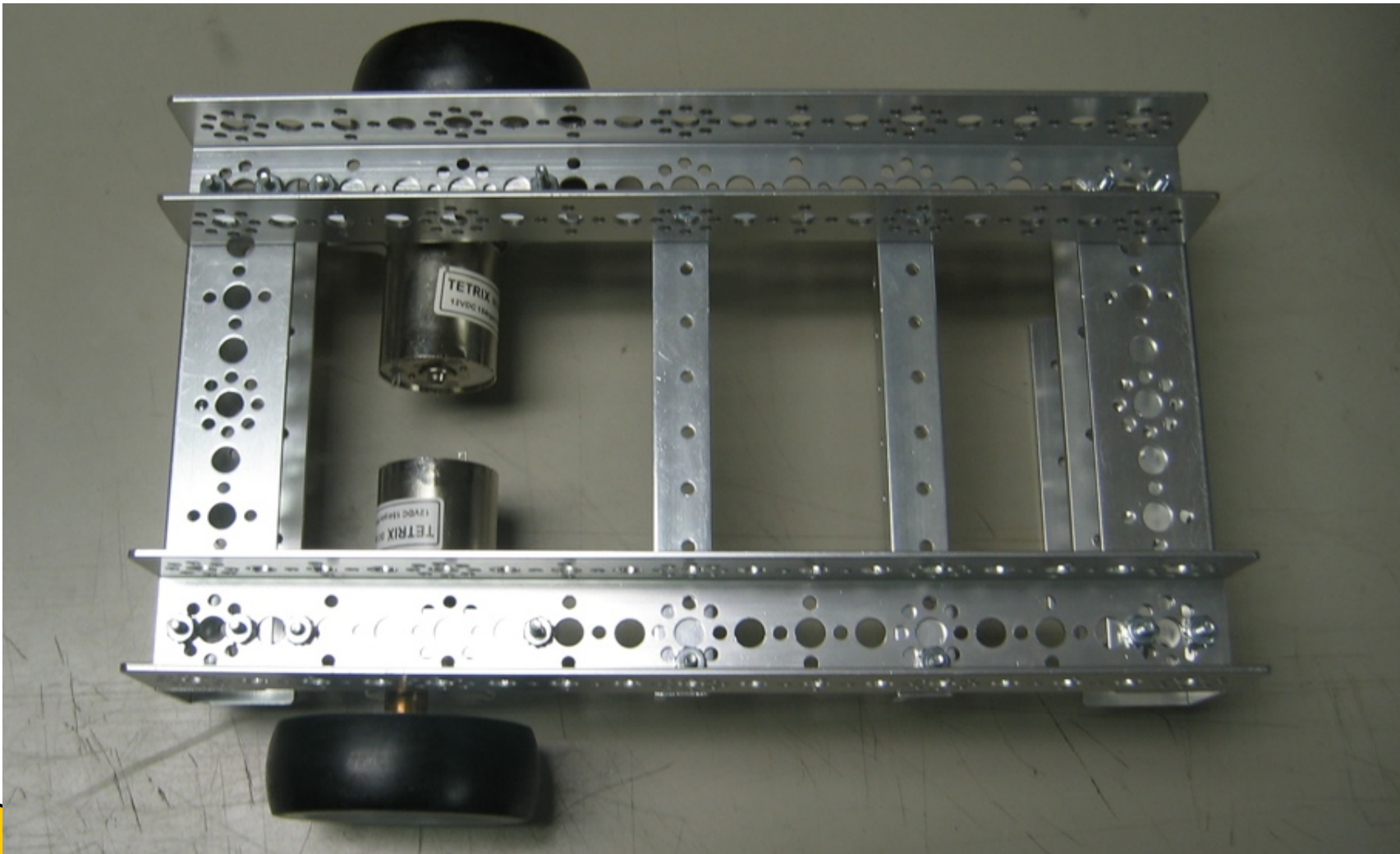


Drive Base

Put together a drive base usable
for the final competition

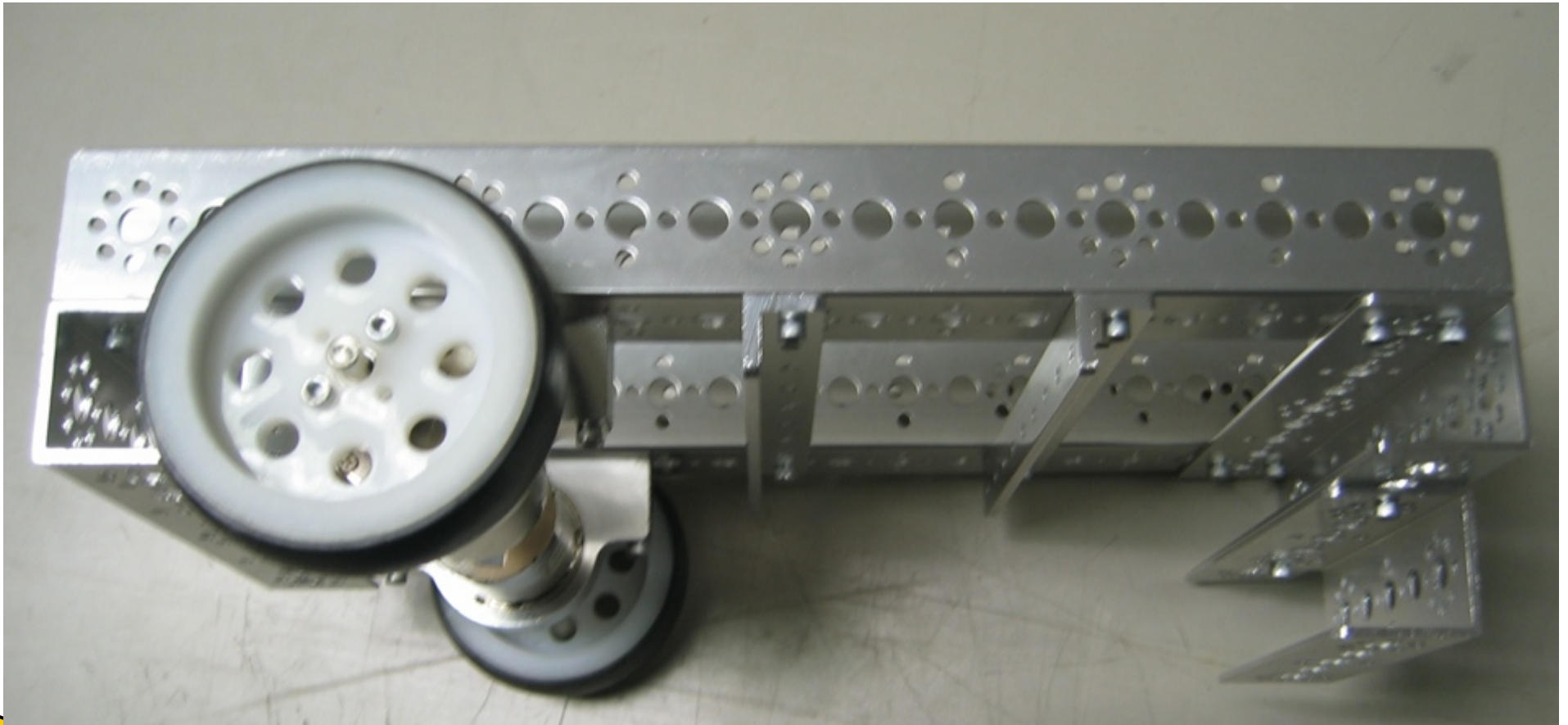


Drive Base



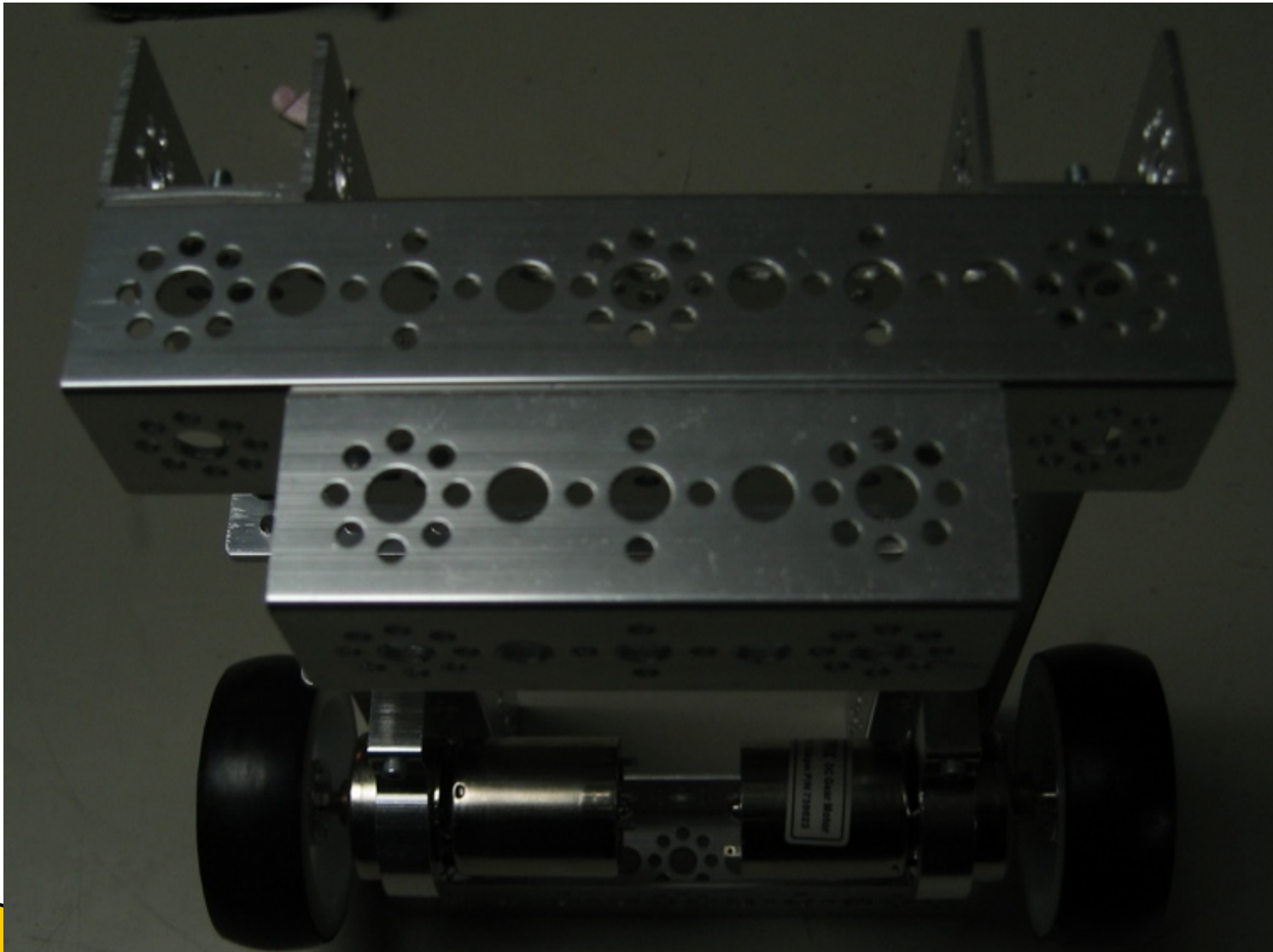


Drive Base



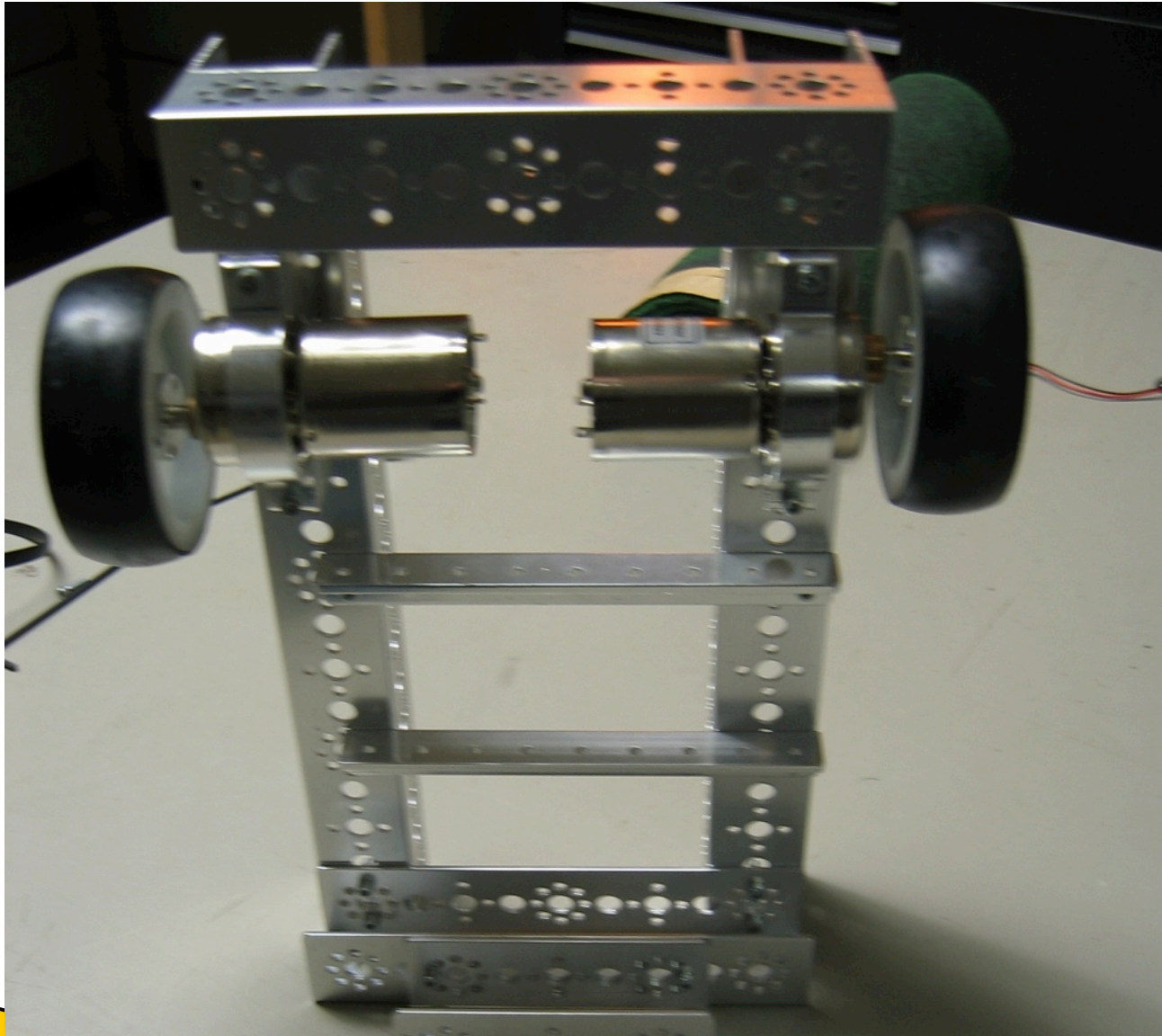


Drive Base





Drive Base





Drive Base





ACTIVITY