TRAC-
TION
CONTROL

SlipControl.vi
C:\Users\doggl\Documents\GitHub\RAN2023\2024RobotCode\2024StateMachineDevelopment\Test
VIs\SlipControl.vi
Last modified on 4/17/2024 at 6:21 PM
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SlipControl.vi

Input Cluster ━━━ TRAC-TION CONTROL ━━━ Output Cluster

Input Cluster

Want to Drive In

0

Time In

0

Front Left Speed In

0

Front Right Speed In

0

Back Left Speed In

0

Back Right Speed In

0

State In

Init

Front Left Current

0

Front Right Current

0

Back Left Current

0

Back Right Current

0

Output Cluster

Want to Drive Out

0

Time Out

0

Front Left Speed Out

0

Front Right Speed Out

0

Back Left Speed Out

0

Back Right Speed Out

0

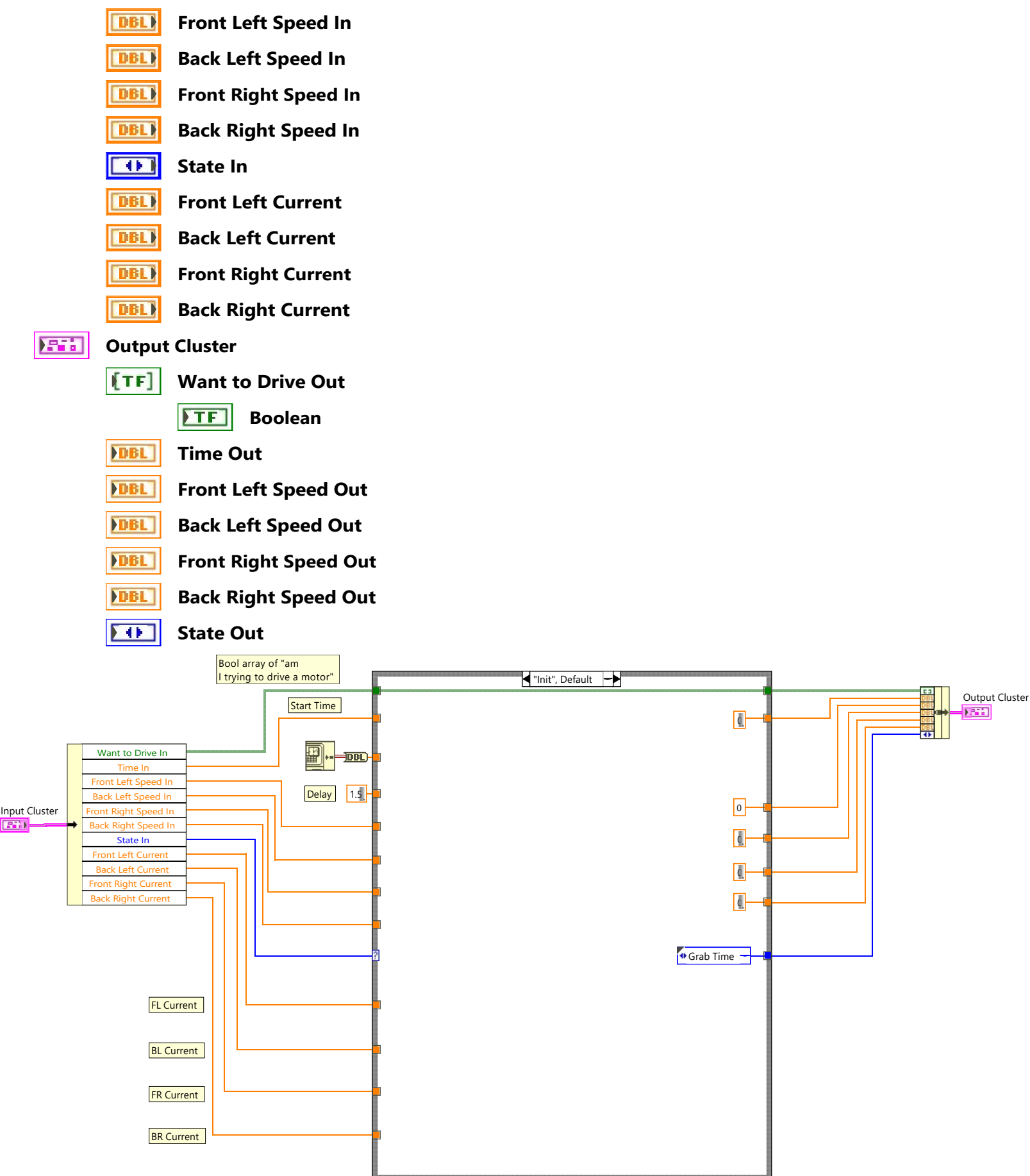**State Out**

Init

Input Cluster

[TF] **Want to Drive In**

[TF] **Boolean**

[DBL] **Time In**

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Front Left Speed In

Back Left Speed In

Front Right Speed In

Back Right Speed In

State In

Front Left Current

Back Left Current

Front Right Current

Back Right Current

Output Cluster

Want to Drive Out

Boolean

Time Out

Front Left Speed Out

Back Left Speed Out

Front Right Speed Out

Back Right Speed Out

State Out

Bool array of "am
I trying to drive a motor"

Start Time

"Init", Default

Output Cluster

Want to Drive In
Time In
Front Left Speed In
Back Left Speed In
Front Right Speed In
Back Right Speed In
State In
Front Left Current
Back Left Current
Front Right Current
Back Right Current

Input Cluster

Delay 1.5

0

Grab Time

FL Current
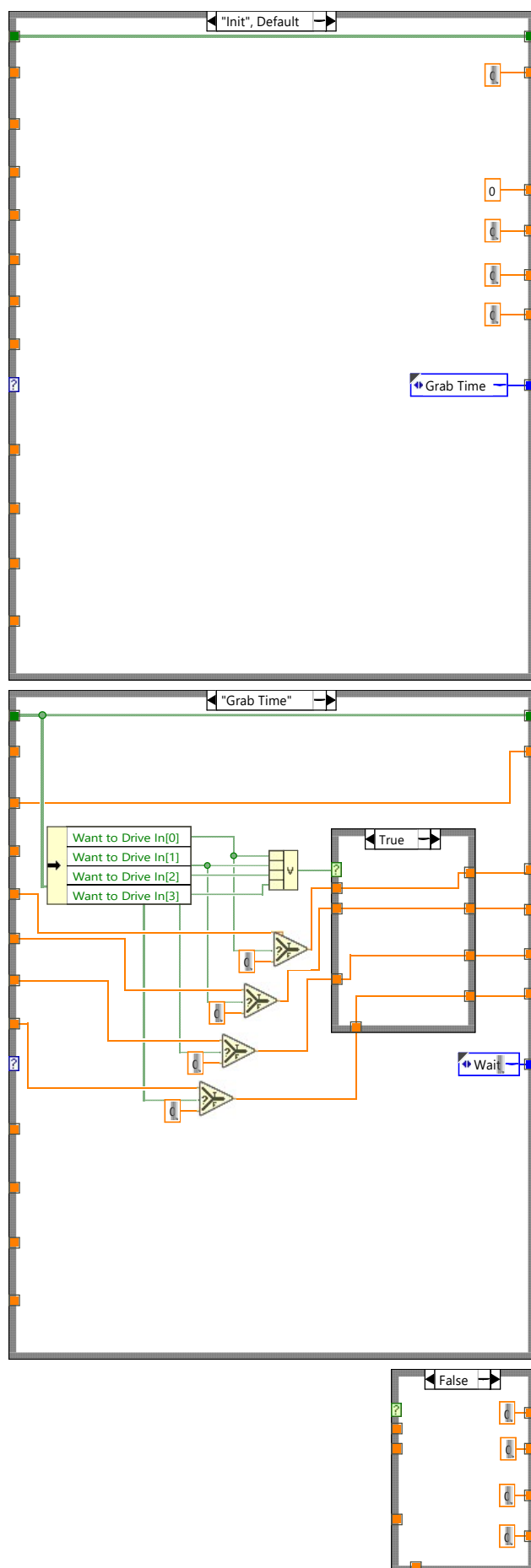
BL Current

FR Current

BR Current

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TRAC-
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"Init", Default

0

Grab Time

"Grab Time"

| Want to Drive In[0] |
| Want to Drive In[1] |
| Want to Drive In[2] |
| Want to Drive In[3] |

True

Wait

False

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VIs\SlipControl.vi
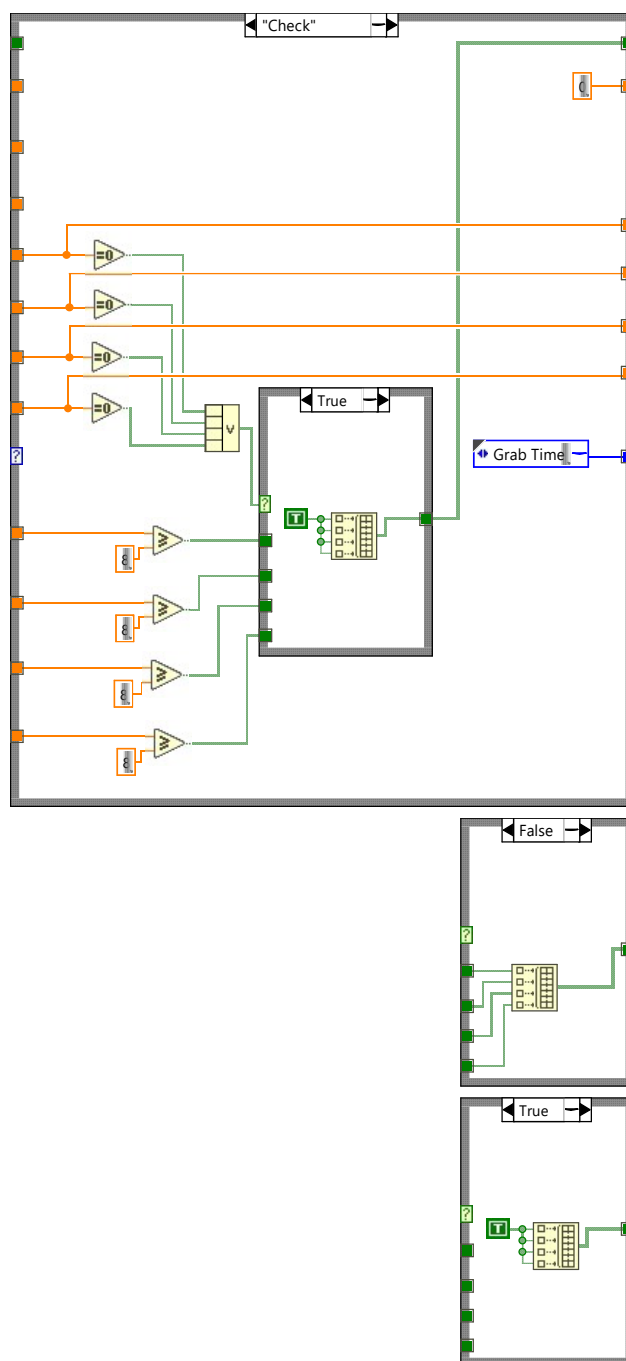Last modified on 4/17/2024 at 6:21 PM
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TRAC-
TION
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True

"Wait"

True

Check

False

True

Check

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