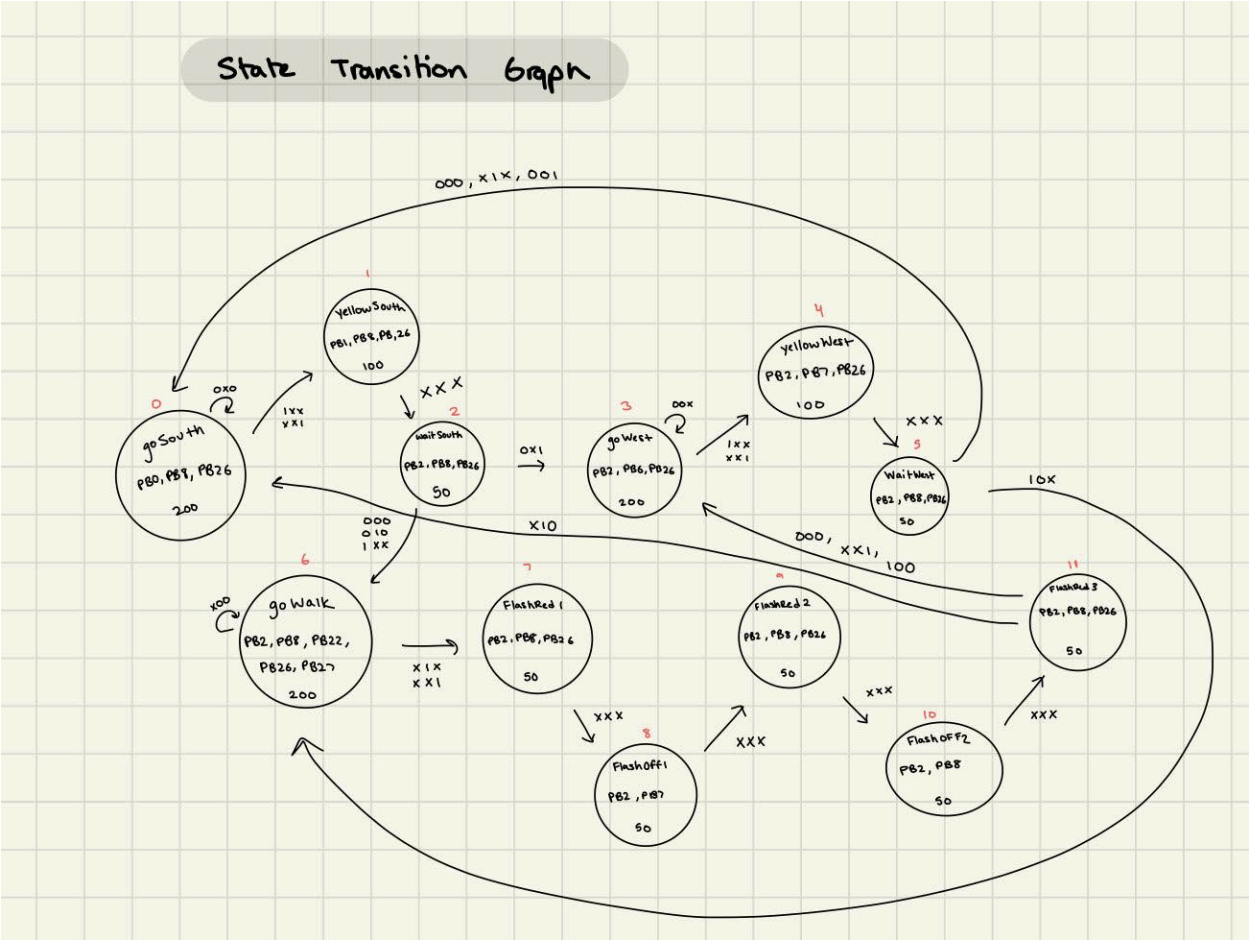
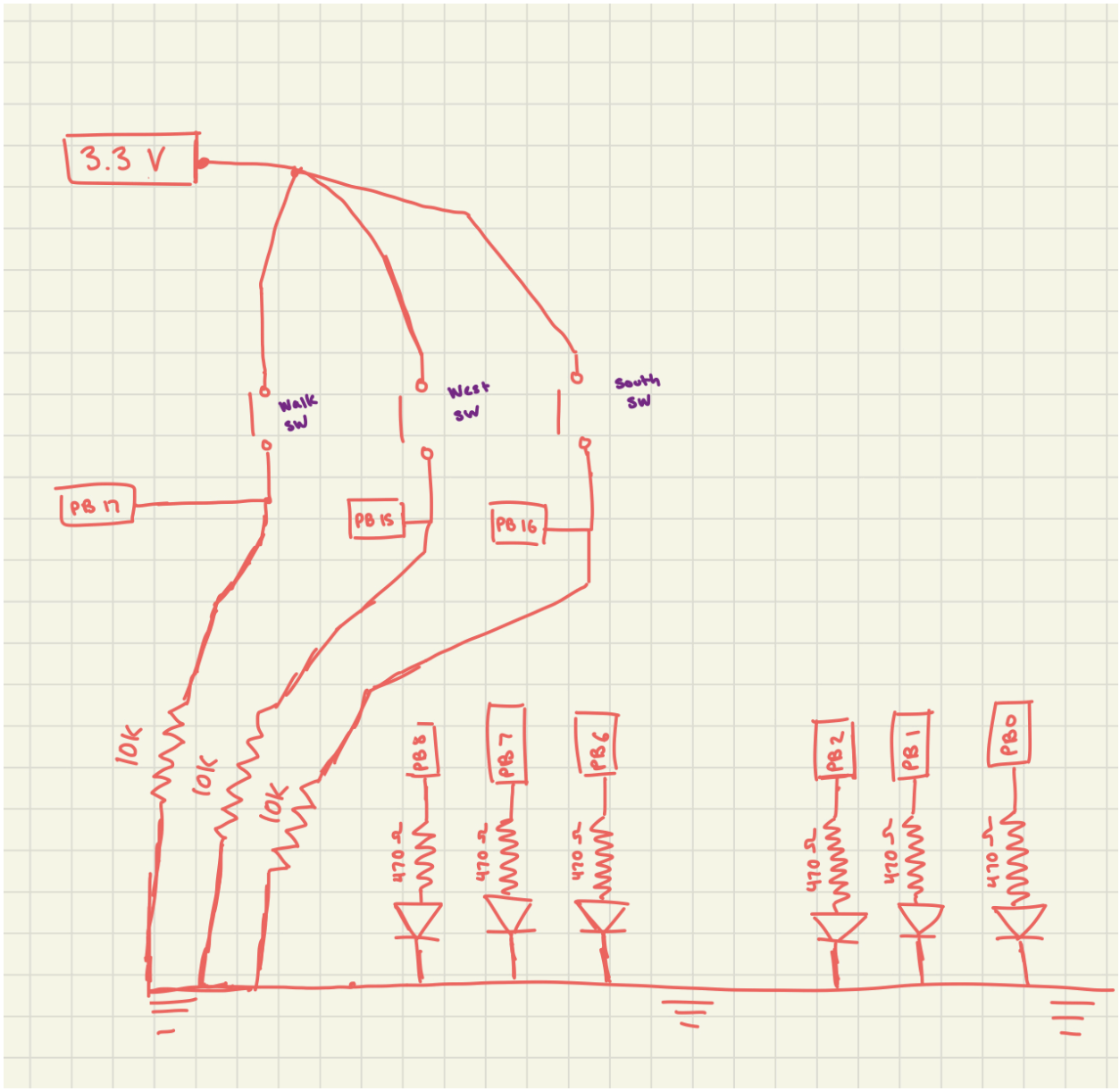
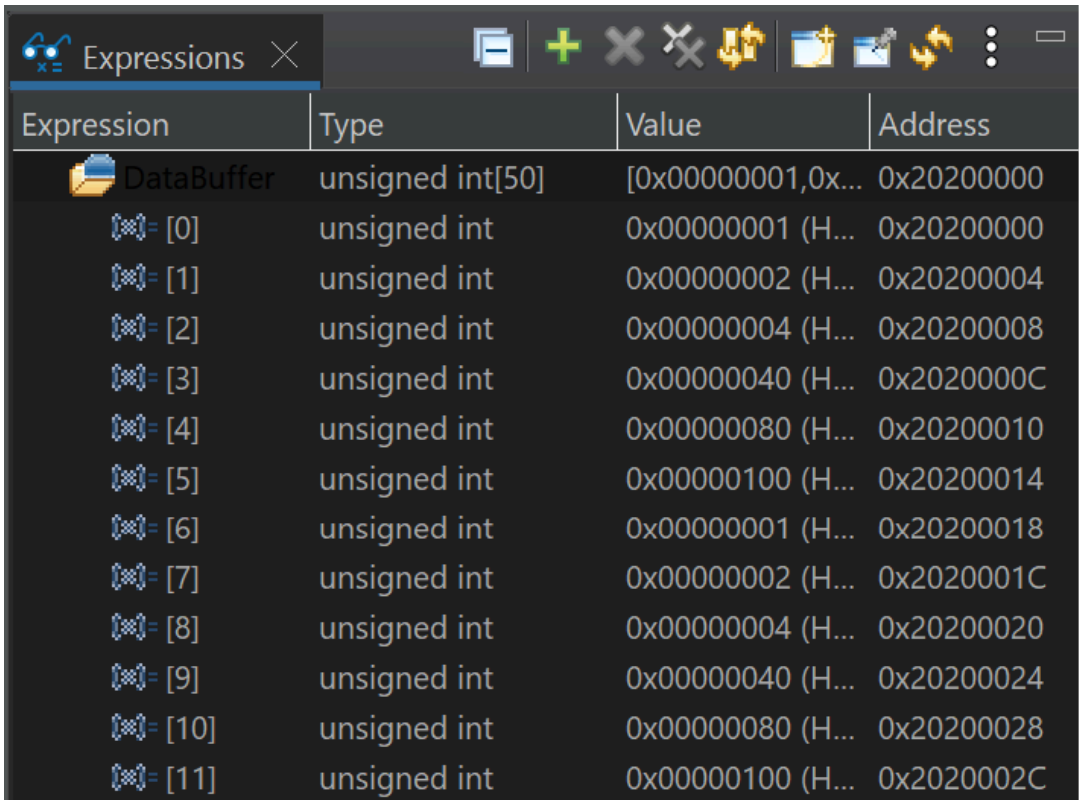
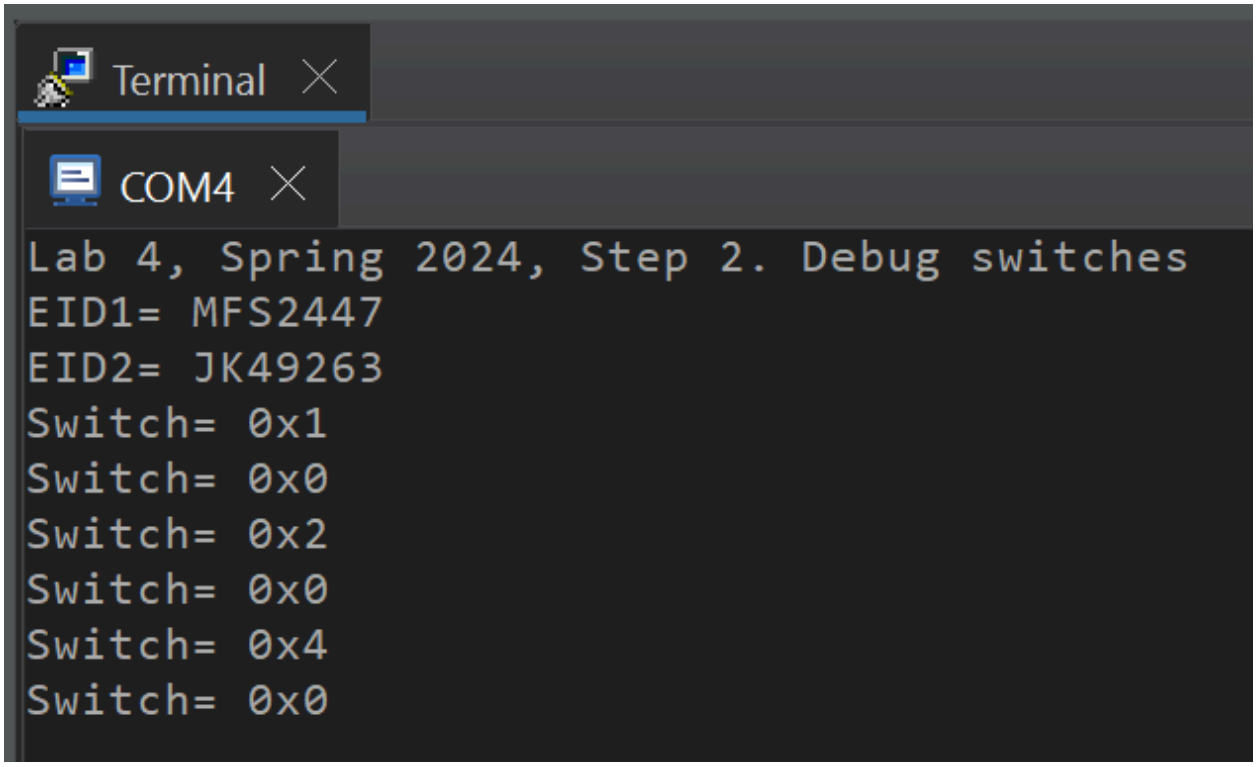
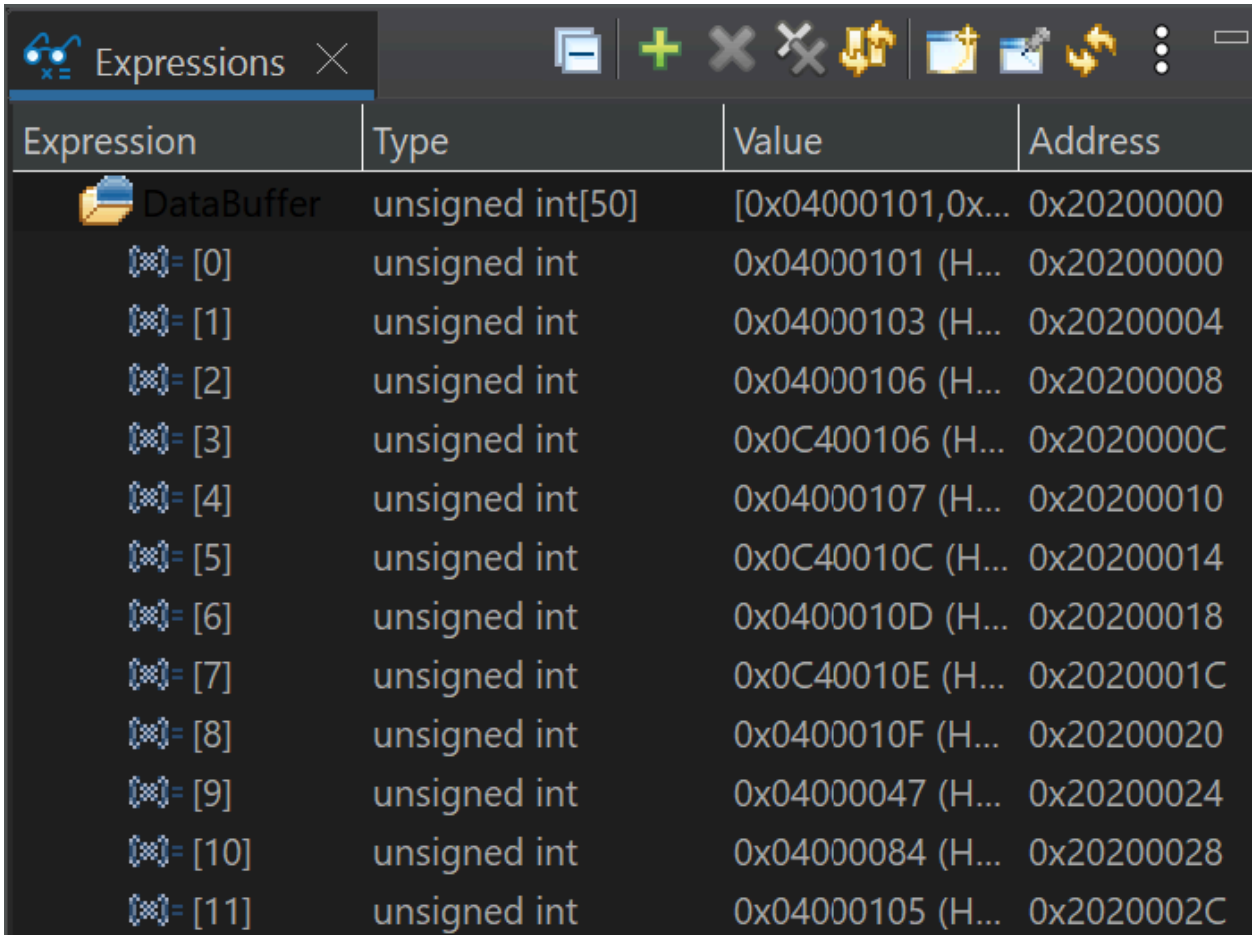
Joshua Koshy and Mikail Sadic
Professor Telang
EIDS: JK49263 & MFS2447

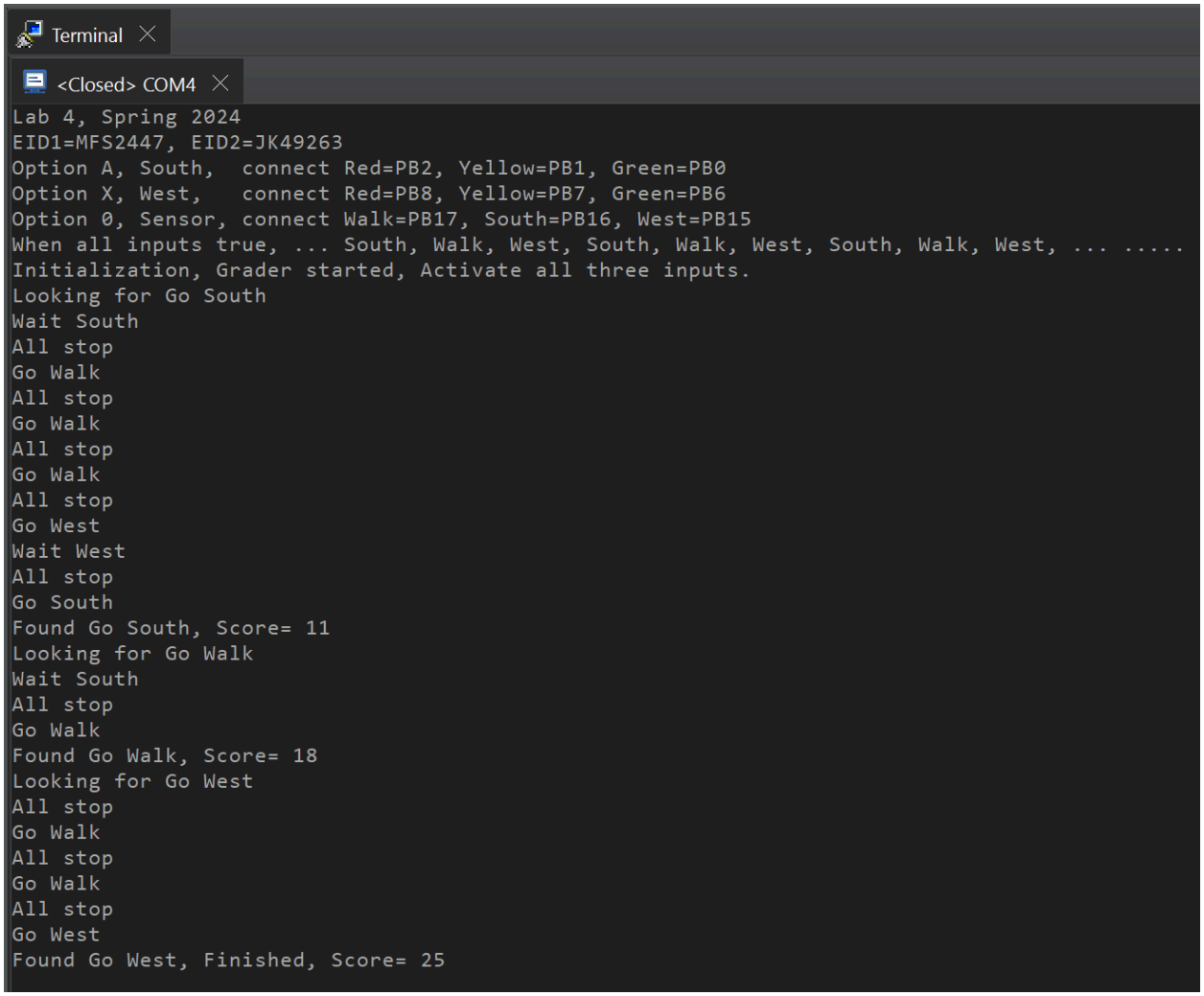



3.3 V
Walk SW
West SW
South SW
PB 17
PB 15
PB 16
10K
10K
10K
PB 8
PB 7
PB 6
PB 2
PB 1
PB 0
470 Ω
470 Ω
470 Ω
470 Ω
470 Ω
470 Ω


Expressions
Expression
Type
Value
Address
DataBuffer
unsigned int[50]
[0x00000001,0x...
0x20200000
[0]
unsigned int
0x00000001 (H...
0x20200000
[1]
unsigned int
0x00000002 (H...
0x20200004
[2]
unsigned int
0x00000004 (H...
0x20200008
[3]
unsigned int
0x00000040 (H...
0x2020000C
[4]
unsigned int
0x00000080 (H...
0x20200010
[5]
unsigned int
0x00000100 (H...
0x20200014
[6]
unsigned int
0x00000001 (H...
0x20200018
[7]
unsigned int
0x00000002 (H...
0x2020001C
[8]
unsigned int
0x00000004 (H...
0x20200020
[9]
unsigned int
0x00000040 (H...
0x20200024
[10]
unsigned int
0x00000080 (H...
0x20200028
[11]
unsigned int
0x00000100 (H...
0x2020002C


Terminal
COM4
Lab 4, Spring 2024, Step 2. Debug switches
EID1= MFS2447
EID2= JK49263
Switch= 0x1
Switch= 0x0
Switch= 0x2
Switch= 0x0
Switch= 0x4
Switch= 0x0


Expressions
Expression
Type
Value
Address
DataBuffer
unsigned int[50]
[0x04000101,0x...
0x20200000
[0]
unsigned int
0x04000101 (H...
0x20200000
[1]
unsigned int
0x04000103 (H...
0x20200004
[2]
unsigned int
0x04000106 (H...
0x20200008
[3]
unsigned int
0x0C400106 (H...
0x2020000C
[4]
unsigned int
0x04000107 (H...
0x20200010
[5]
unsigned int
0x0C40010C (H...
0x20200014
[6]
unsigned int
0x0400010D (H...
0x20200018
[7]
unsigned int
0x0C40010E (H...
0x2020001C
[8]
unsigned int
0x0400010F (H...
0x20200020
[9]
unsigned int
0x04000047 (H...
0x20200024
[10]
unsigned int
0x04000084 (H...
0x20200028
[11]
unsigned int
0x04000105 (H...
0x2020002C


Terminal
<Closed> COM4
Lab 4, Spring 2024
EID1=MFS2447, EID2=JK49263
Option A, South, connect Red=PB2, Yellow=PB1, Green=PB0
Option X, West,   connect Red=PB8, Yellow=PB7, Green=PB6
Option 0, Sensor, connect Walk=PB17, South=PB16, West=PB15
When all inputs true, ... South, Walk, West, South, Walk, West, South, Walk, West, ...
Initialization, Grader started, Activate all three inputs.
Looking for Go South
Wait South
All stop
Go Walk
All stop
Go Walk
All stop
Go Walk
All stop
Go West
Wait West
All stop
Go South
Found Go South, Score= 11
Looking for Go Walk
Wait South
All stop
Go Walk
Found Go Walk, Score= 18
Looking for Go West
All stop
Go Walk
All stop
Go Walk
All stop
Go West
Found Go West, Finished, Score= 25