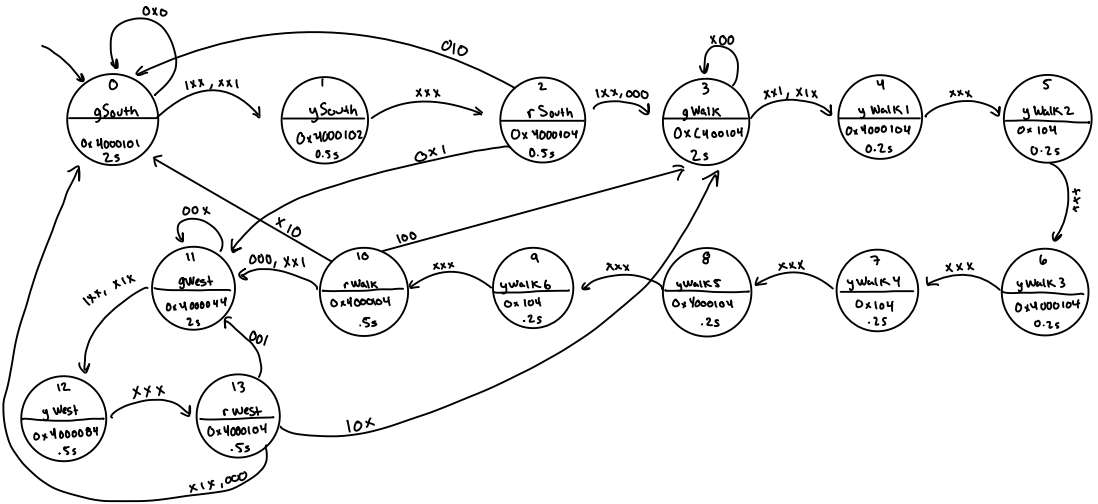
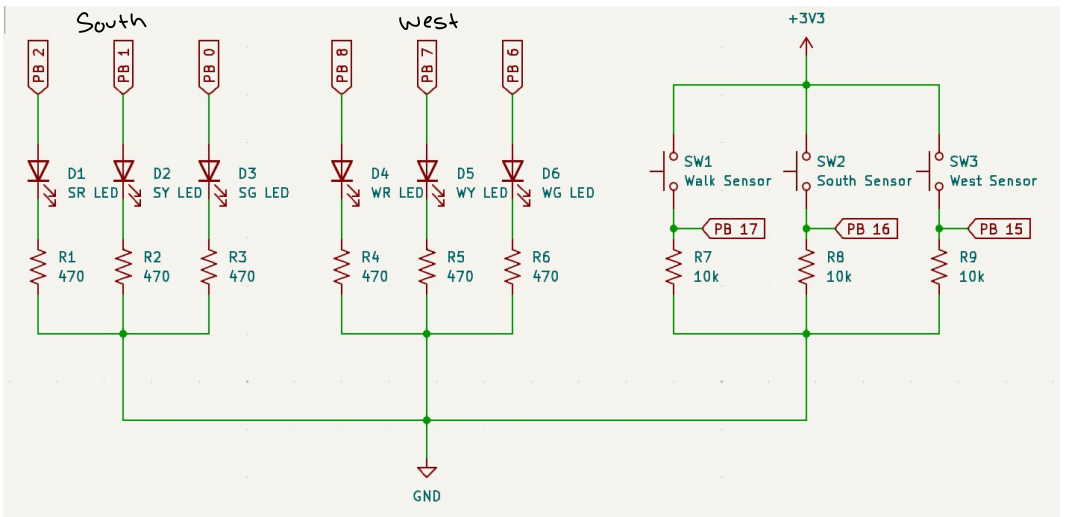


Lab 4 Deliverables

Tonnet kan Esqueven je 28736



Current State	Output	Dwell in CS	Next 000 001 010 011 100 101 110 111
0	0x4000101	200	0 1 0 1 1 1 1 1
1	0x4000102	50	2 2 2 2 2 2 2 2
2	0x4000104	50	3 11 0 11 3 3 3 3
3	0x4000104	200	3 4 4 4 3 4 4 4
4	0x4000104	20	5 5 5 5 5 5 5 5
5	0x104	20	6 6 6 6 6 6 6 6
6	0x4000104	20	7 7 7 7 7 7 7 7
7	0x104	20	8 8 8 8 8 8 8 8
8	0x4000104	20	9 9 9 9 9 9 9 9
9	0x104	20	10 10 10 10 10 10 10 10
10	0x4000104	50	11 11 0 11 3 11 0 11
11	0x40000044	200	11 11 12 12 12 12 12 12
12	0x40000044	50	13 13 13 13 13 13 13 13
13	0x4000104	50	0 11 0 0 3 3 0 0



Cycles through all used LEDs

Location	DataBuffer	Format	32-Bit Hex - C Style	
0x20200000	__start__llvm_prf_bits			
0x20200000	__start__llvm_prf_cnts			
0x20200000	__stop__llvm_prf_cnts			
0x20200000	0x00000001	0x00000002	0x00000004	0x00000040
0x20200010	0x00000080	0x00000100	0x0C400000	0x04000000
0x20200020	0x00000001	0x00000002	0x00000004	0x00000040
0x20200030	0x00000080	0x00000100	0x0C400000	0x04000000
0x20200040	0x00000001	0x00000002	0x00000004	0x00000040
0x20200050	0x00000080	0x00000100	0x0C400000	0x04000000
0x20200060	0x00000001	0x00000002	0x00000004	0x00000040
0x20200070	0x00000080	0x00000100	0x0C400000	0x04000000
0x20200080	0x00000001	0x00000002	0x00000004	0x00000040
0x20200090	0x00000080	0x00000100	0x0C400000	0x04000000
0x202000A0	0x00000001	0x00000002	0x00000004	0x00000040
0x202000B0	0x00000080	0x00000100	0x0C400000	0x04000000
0x202000C0	0x00000001	0x00000002		

0x4 is walk 0x2 is South 0x1 is west

Problems Output Debug Console GEL Output Serial Console X Debug Output

Lab 4, Spring 2025, Step 2. Debug switches

EID1= TMB3956

EID2= JE28736

Switch= 0x1

Switch= 0x0

Switch= 0x2

Switch= 0x0

Switch= 0x4

Switch= 0x0

Switch= 0x1

Switch= 0x0

Switch= 0x2

Switch= 0x0

Switch= 0x4

Switch= 0x0

Bit 7 is state (0-0) Bits 6-0 are LED output
0-13

Location DataBuffer Format 32-Bit Hex - C Style



0x20200000	DataBuffer __start__llvm_prf_bits			
0x20200000	__start__llvm_prf_cnts	__stop__llvm_prf_bits		
0x20200000	__stop__llvm_prf_cnts			
0x20200000	0x04000101	0x14000102	0x24000104	0x3C400104
0x20200010	0x44000104	0x50000104	0x64000104	0x70000104
0x20200020	0x84000104	0x90000104	0xA4000104	0xB4000044
0x20200030	0xC4000084	0xD4000104	0x04000101	0x14000102
0x20200040	0x24000104	0x3C400104	0x44000104	0x50000104
0x20200050	0x64000104	0x70000104	0x84000104	0x90000104
0x20200060	0xA4000104	0xB4000044	0xC4000084	0xD4000104
0x20200070	0x04000101	0x14000102	0x24000104	0x3C400104
0x20200080	0x44000104	0x50000104	0x64000104	0x70000104
0x20200090	0x84000104	0x90000104	0xA4000104	0xB4000044
0x202000A0	0xC4000084	0xD4000104	0x04000101	0x14000102
0x202000B0	0x24000104	0x3C400104	0x44000104	0x50000104
0x202000C0	0x64000104	0x70000104		