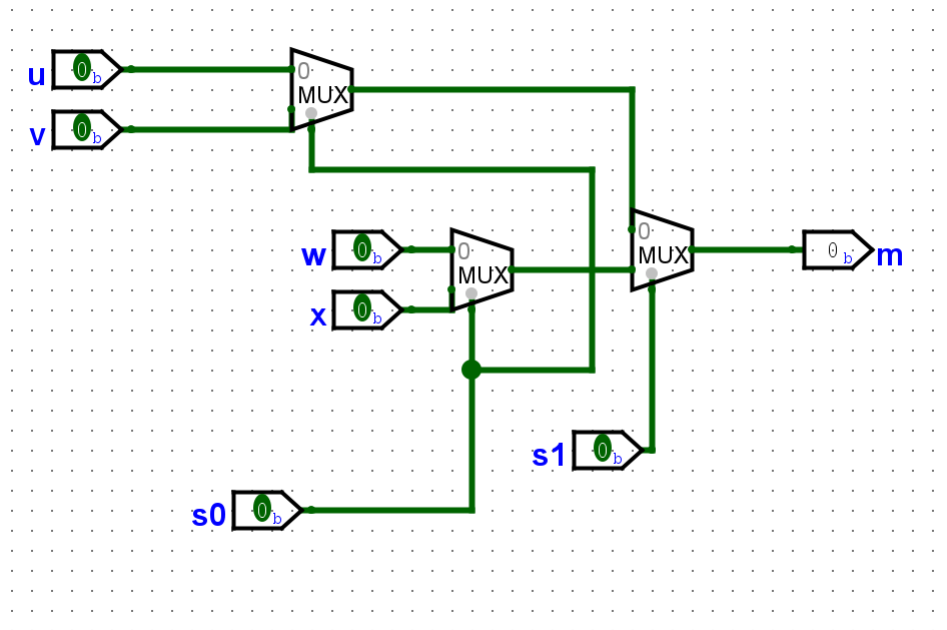


Csc258 lab2

Part2.

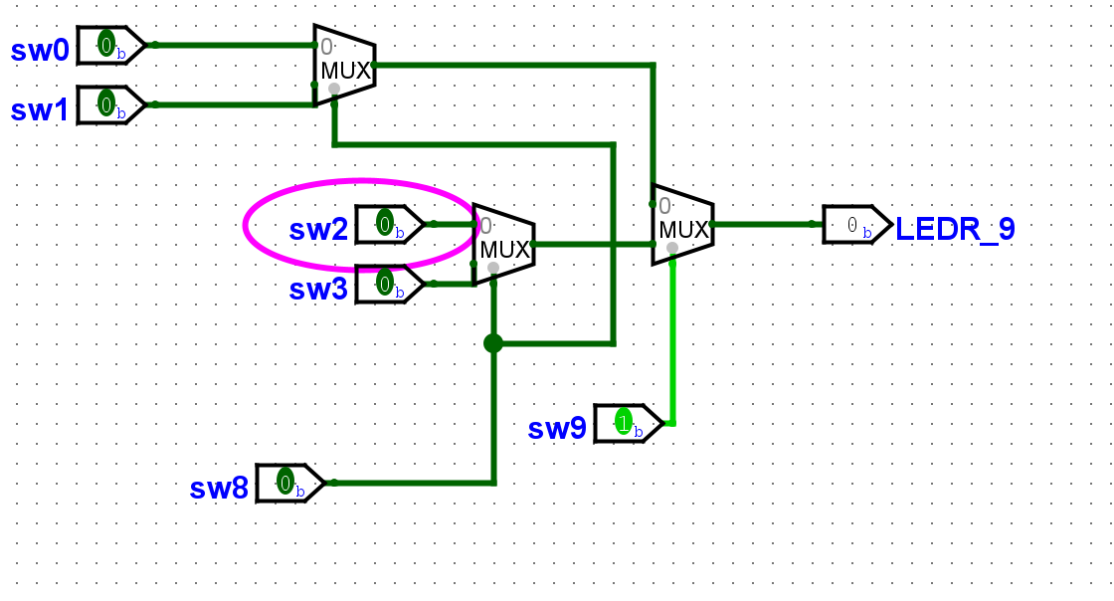
1. $2^6=64$ lines



2.

status	u	v	w	x	s1	s0	m
pass	0	0	0	0	0	0	0
pass	1	0	0	0	0	0	1
pass	1	0	1	1	0	0	1
pass	0	1	1	1	0	1	1
pass	1	1	1	1	0	1	1
pass	1	0	0	0	1	0	0
pass	0	0	0	1	1	1	1
pass	0	1	1	0	1	1	0

3.



4.

Part 2

	$SW1' * SW0'$	$SW1' * SW0$	$SW1 * SW0$	$SW1 * SW0'$
$SW3' * SW2'$	1	0	1	1
$SW3' * SW2$	0	1	1	1
$SW3 * SW2$	1	0	1	1
$SW3 * SW2'$	1	1	0	1

1. $SW3' * SW1 + SW2 * SW1 + SW1 * SW0' + SW3 * SW0' + SW3' * SW2 * SW0 + SW3 * SW2' * SW1' + SW2' * SW1' * SW0'$

	$SW1' * SW0'$	$SW1' * SW0$	$SW1 * SW0$	$SW1 * SW0'$
$SW3' * SW2'$	1	1	1	1
$SW3' * SW2$	1	0	1	0
$SW3 * SW2$	0	1	0	0
$SW3 * SW2'$	1	1	0	1

$$SW1' * SW2' + SW1' * SW0' * SW3' + SW3 * SW1' * SW0 + SW2' * SW1 * SW0' + SW1 * SW0 * SW3'$$

	$SW1' * SW0'$	$SW1' * SW0$	$SW1 * SW0$	$SW1 * SW0'$
$SW3' * SW2'$	1	1	1	0
$SW3' * SW2$	1	1	1	1
$SW3 * SW2$	0	1	0	0
$SW3 * SW2'$	1	1	1	1

2. $SW1' * SW3' + SW3 * SW2' + SW3' * SW2 + SW1' * SW0 + SW3' * SW1 * SW0$

	$SW1' * SW0'$	$SW1' * SW0$	$SW1 * SW0$	$SW1 * SW0'$
$SW3' * SW2'$	1	0	1	1
$SW3' * SW2$	0	1	0	1
$SW3 * SW2$	1	0	1	0
$SW3 * SW2'$	1	1	0	1

3. $SW1' * SW3 * SW2 + SW1' * SW0' * SW2' + SW2 * SW1' * SW0 + SW1 * SW0 * SW2' + SW1 * SW0' * SW2 + SW1 * SW3' * SW2'$

	$SW1' * SW0'$	$SW1' * SW0$	$SW1 * SW0$	$SW1 * SW0'$
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SW3'*SW2'	1	0	0	1
SW3'*SW2	0	0	0	1
SW3*SW2	1	1	1	1
SW3*SW2'	1	0	1	1

4. $SW_3SW_2 + SW_1SW_0' + SW_3SW_2'SW_1 + SW_1'SW_0'SW_2'$

	SW1'*SW0'	SW1'*SW0	SW1*SW0	SW18SW0'
SW3'*SW2'	1	0	0	0
SW3'*SW2	1	1	0	1
SW3*SW2	1	0	1	1
SW3*SW2'	1	1	1	1

5. $SW_1'SW_0' + SW_3SW_2' + SW_3SW_1 + SW_2SW_1SW_0' + SW_3'SW_2SW_1'$

	SW1'*SW0'	SW1'*SW0	SW1*SW0	SW18SW0'
SW3'*SW2'	0	0	1	1
SW3'*SW2	1	1	0	1
SW3*SW2	0	1	1	1
SW3*SW2'	1	1	1	1

6. $SW_3SW_1 + SW_3SW_2' + SW_2'SW_1 + SW_1SW_0'SW_3'SW_2SW_1' + SW_1'SW_0SW_3$