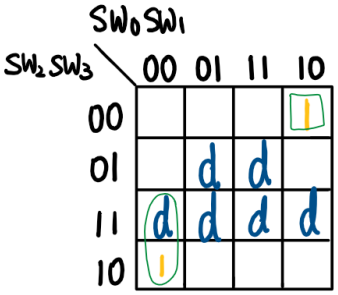
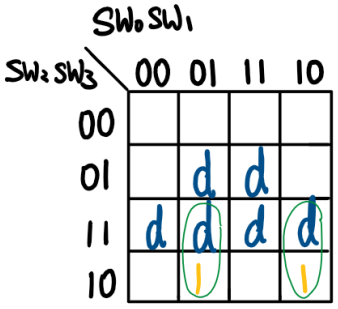
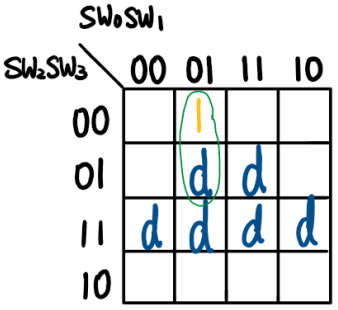
	truth table	logic function	Karnaugh maps
H(0)		$H(0) = \overline{SW_0} \cdot \overline{SW_1} \cdot SW_2 + SW_0 \overline{SW_1} \overline{SW_2} \overline{SW_3}$	
H(1)		$H(1) = \overline{SW_0} \cdot SW_1 \cdot SW_2 + SW_0 \cdot \overline{SW_1} \cdot SW_2$	
H(2)		$H(2) = \overline{SW_0} \cdot SW_1 \cdot \overline{SW_2}$	

sw3	sw2	sw1	sw0	H(0)
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	0
0	1	0	0	1
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	x	d
1	1	x	x	d

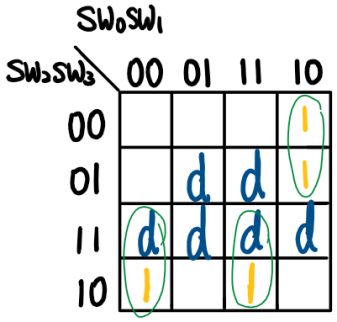
sw3	sw2	sw1	sw0	H(1)
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	x	d
1	1	x	x	d

sw3	sw2	sw1	sw0	H(2)
0	0	0	0	0
0	0	0	1	0
0	0	1	0	1
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	x	d
1	1	x	x	d

H(3)

sw3	sw2	sw1	sw0	H(3)
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	0
0	1	0	0	1
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	x	d
1	1	x	x	d

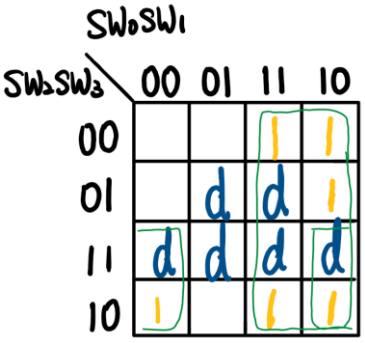
$H(3) = \overline{SW_0} \cdot \overline{SW_1} \cdot SW_2 + SW_0 \cdot SW_1 \cdot SW_2 + SW_0 \cdot \overline{SW_1} \cdot \overline{SW_2}$



H(4)

sw3	sw2	sw1	sw0	H(4)
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	1
0	1	0	1	1
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	x	d
1	1	x	x	d

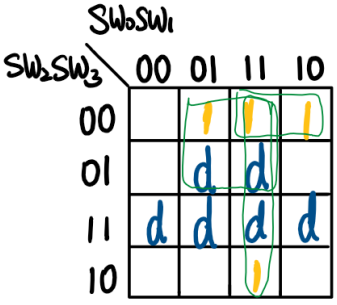
$H(4) = SW_0 + \overline{SW_1} \cdot SW_2$



H(5)

sw3	sw2	sw1	sw0	H(5)
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	x	d
1	1	x	x	d

$H(5) = SW_0 \cdot SW_1 + SW_1 \cdot \overline{SW_2} + SW_0 \cdot \overline{SW_2} \cdot \overline{SW_3}$



H(6)

sw3	sw2	sw1	sw0	H(6)
0	0	0	0	1
0	0	0	1	1
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	x	d
1	1	x	x	d

$H(6) = \overline{SW_1} \cdot \overline{SW_2} \cdot \overline{SW_3} + SW_0 \cdot SW_1 \cdot SW_2$