

$\langle S_3 \rangle$

			\Rightarrow		
A_3	A_2	A_1	$A_0=0$	$A_0=1$	S_3
0	0	0	0	0	0
0	0	1	0	0	0
0	1	0	0	1	A_0
0	1	1	1	1	1
1	0	0	1	1	1
1	0	1	X	X	X
1	1	0	X	X	X
1	1	1	X	X	X

$\langle S_2 \rangle$

			S_2		
A_3	A_2	A_1	$A_0=0$	$A_0=1$	S_2
0	0	0	0	0	0
0	0	1	0	0	0
0	1	0	1	0	A_0'
0	1	1	0	0	0
1	0	0	0	1	A_0
1	0	1	X	X	X
1	1	0	X	X	X
1	1	1	X	X	X

$\langle S_1 \rangle$

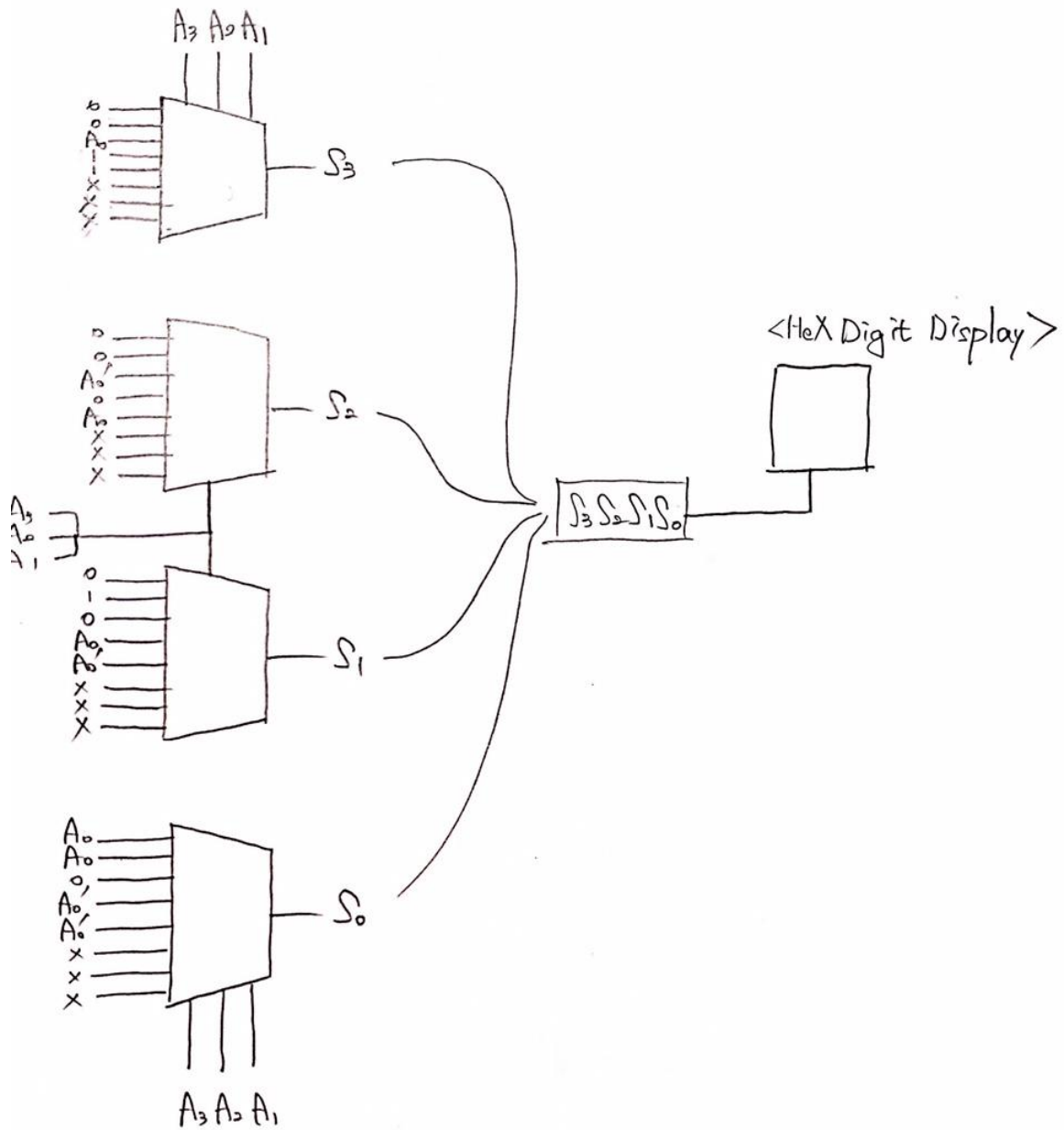
A_3	A_2	A_1	S_1		S_1
			$A_0=0$	$A_0=1$	
0	0	0	0	0	0
0	0	1	1	1	1
0	1	0	0	0	0
0	1	1	0	1	A_0
1	0	0	1	0	A_0'
1	0	1	X	X	X
1	1	0	X	X	X
1	1	1	X	X	X

CS CamScanner로 스캔하기

$\langle S_0 \rangle$

A_3	A_2	A_1	S_0		S_0
			$A_0=0$	$A_0=1$	
0	0	0	0	1	A_0
0	0	1	0	1	A_0
0	1	0	0	0	0
0	1	1	1	0	A_0'
1	0	0	1	0	A_0'
1	0	1	X	X	X
1	1	0	X	X	X
1	1	1	X	X	X

CS CamScanner로 스캔하기



(3-add)

Truth table Modification을 통해 16-to-1 mux를 8-to-1 mux로 표현

$S_3S_2S_1S_0$ 4bit를 "Hex Digit Display"에 연결하면 된다.

