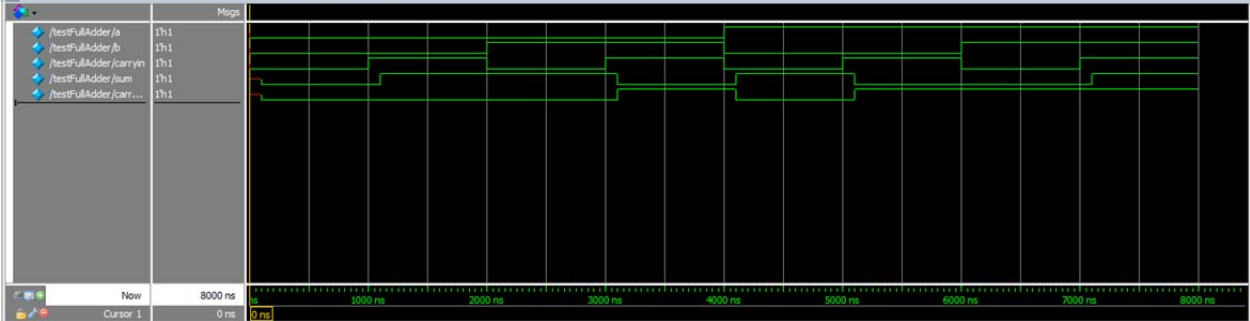


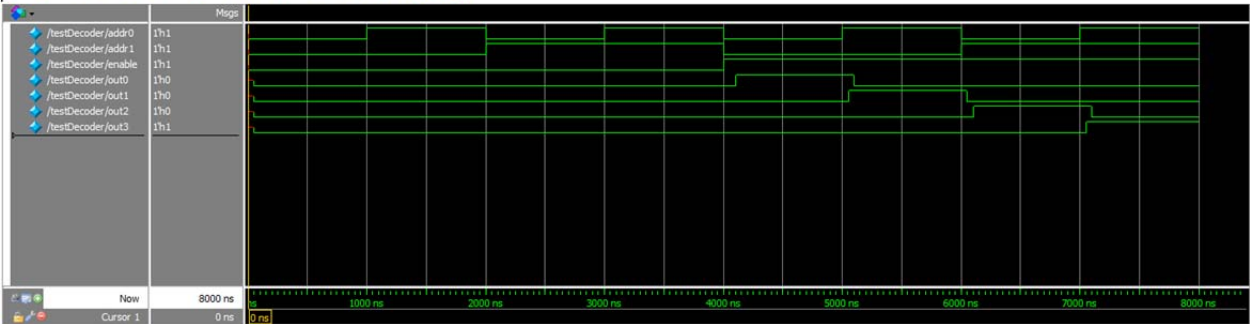
Adder

#	A	B	Cin	Cout	S	Cout	S	Expected
#	0	0	0	0	0	0	0	
#	0	0	1	0	1	0	1	
#	0	1	0	0	1	0	1	
#	0	1	1	1	0	1	0	
#	1	0	0	0	1	0	1	
#	1	0	1	1	0	1	0	
#	1	1	0	1	0	1	0	
#	1	1	1	1	1	1	1	



Decoder

#	En	A0	A1	O0	O1	O2	O3	Expected Output
#	0	0	0	0	0	0	0	All false
#	0	1	0	0	0	0	0	All false
#	0	0	1	0	0	0	0	All false
#	0	1	1	0	0	0	0	All false
#	1	0	0	1	0	0	0	O0 Only
#	1	1	0	0	1	0	0	O1 Only
#	1	0	1	0	0	1	0	O2 Only
#	1	1	1	0	0	0	1	O3 Only



MUX

#	A0	A1	I0	I1	I2	I3	OUT	Expected Output
#	0	0		0	0	0	0	0
#	0	0		1	0	0	1	1
#	1	0		0	0	0	0	0
#	1	0		0	1	0	1	1
#	0	1		0	0	0	0	0
#	0	1		0	0	1	1	1
#	1	1		0	0	0	0	0
#	1	1		0	0	1	1	1

