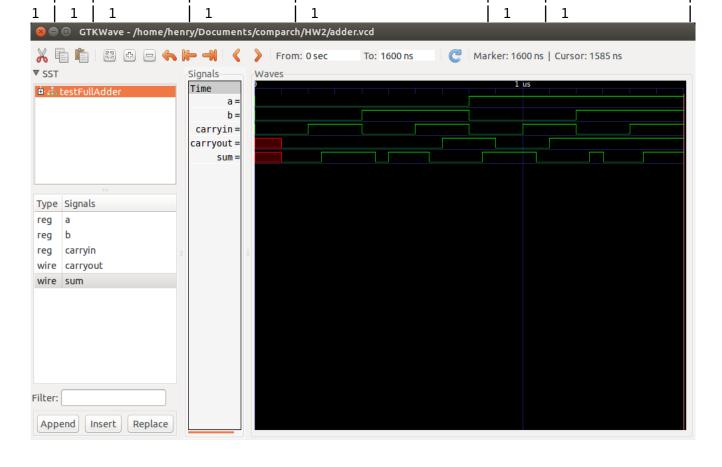
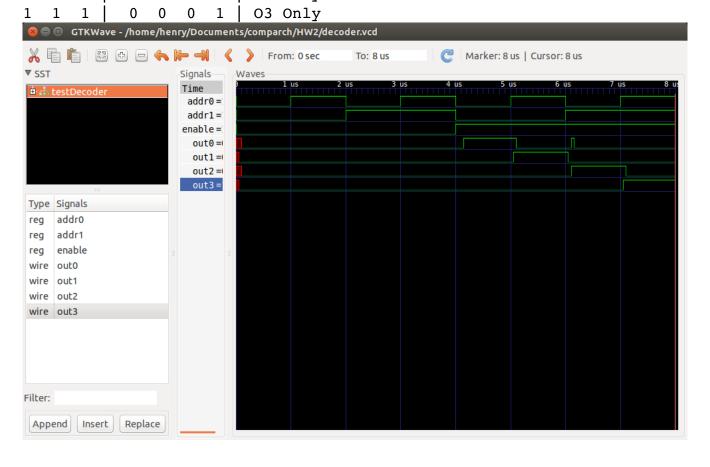
ADDER									
a	b	carryin	carryout	carryout expected	sum	sum expected			
0	0	0	0	0	0	0			
0	0	1	0	0	1	1			
0	1	0	0	0	1	1			
0	1	1	1	1	0	0			
1	0	0	0	0	1	1			
1	0	1	1	1	0	0			
1	1	0	1	1	0	0			



DECODER									
En	A0	A1	00	01	02	03	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	00 Only		
1	1	0	0	1	0	0	01 Only		
1	0	1	0	0	1	0	02 Only		



MULTIPLEXER

address0 address1 in0 in1 in2 in3 out out expects 0	ed
0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0	
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1 0 1 1 0 0 1 1	j

address0	address1	in0	in1	in2	in3	out	out expected	
1	0	1	1	0	1	1	1	
1	0	1	1	1	0	1	1	
1	0	1	1	1	1	1	1	
1	1	0	0	0	0	0	0	
1	1	0	0	0	1	1	1	
1	1	0	0	1	0	0	0	
1	1	0	0	1	1	1	1	
1	1	0	1	0	0	0	0	
1	1	0	1	0	1	1	1	
1	1	0	1	1	0	0	0	
1	1	0	1	1	1	1	1	
1	1	1	0	0	0	0	0	
1	1	1	0	0	1	1	1	
1	1	1	0	1	0	0	0	
1	1	1	0	1	1	1	1	
1	1	1	1	0	0	0	0	
1	1	1	1	0	1	1	1	
1	1	1	1	1	0	0	0	
1	1	1	1	1	1	1	1	

