OUTPUT:
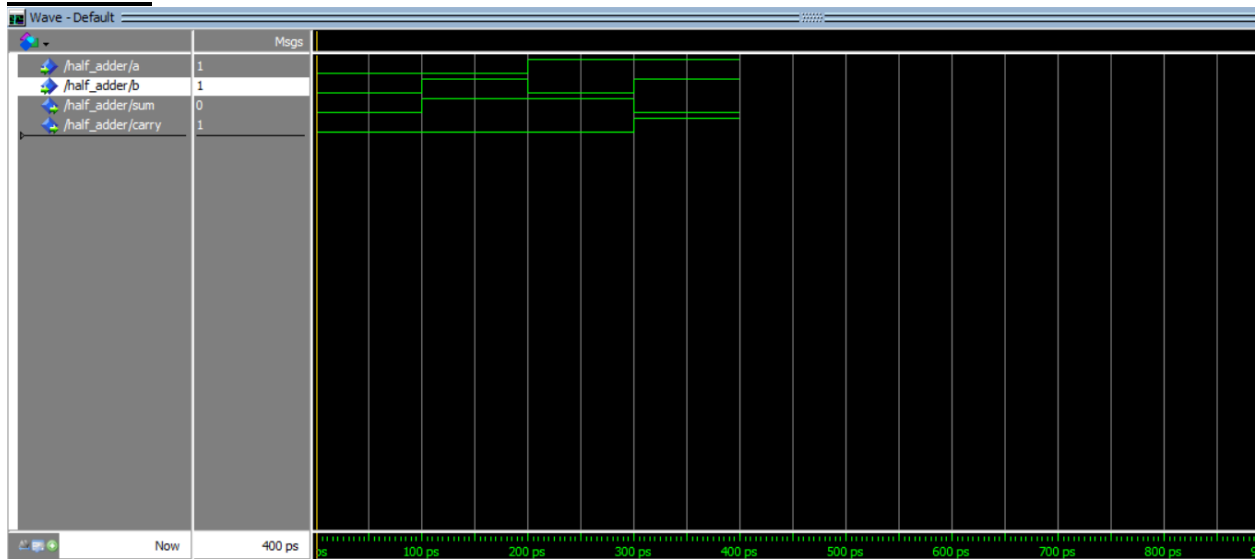

Fig: Waveform of Half Adder

OUTPUT:
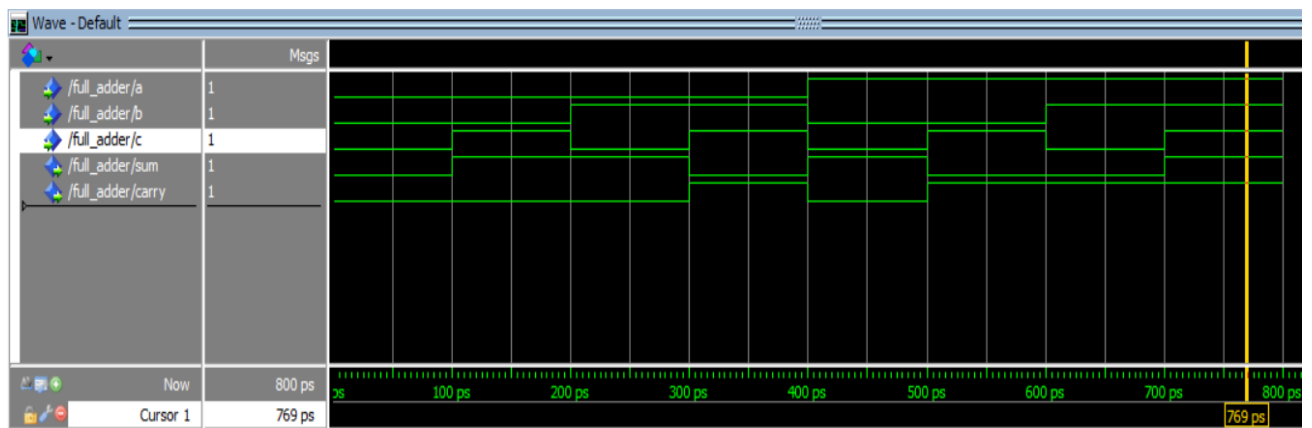
Fig: Waveform of Full Adder

OUTPUT:
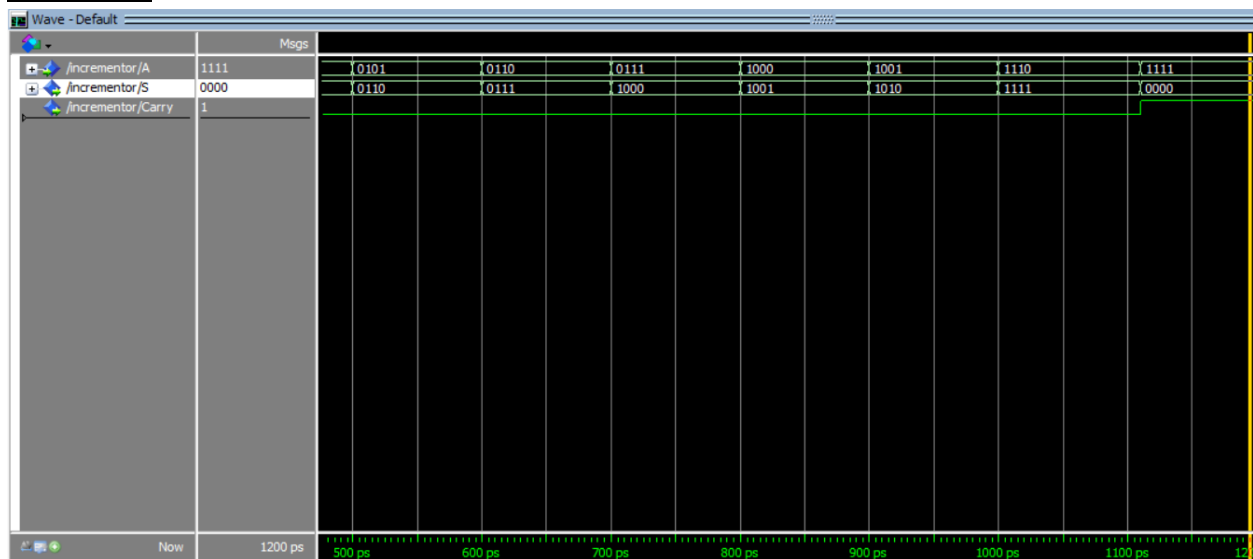
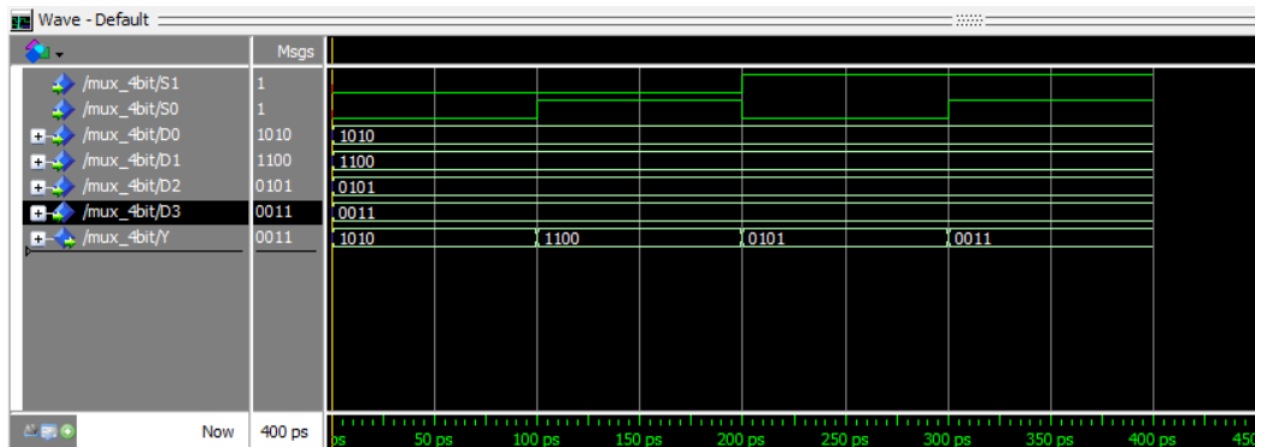| Wave - Default										
	Msgs									
/incrementor/A	1111	0101	0110	0111	1000	1001	1110	1111		
/incrementor/S	0000	0110	0111	1000	1001	1010	1111	0000		
/incrementor/Carry	1									
Now	1200 ps	500 ps	600 ps	700 ps	800 ps	900 ps	1000 ps	1100 ps	12

Fig: Waveform of Incrementor

OUTPUT:

Fig: Waveform of Multiplexer

OUTPUT:

Fig: Waveform of Demultiplexer
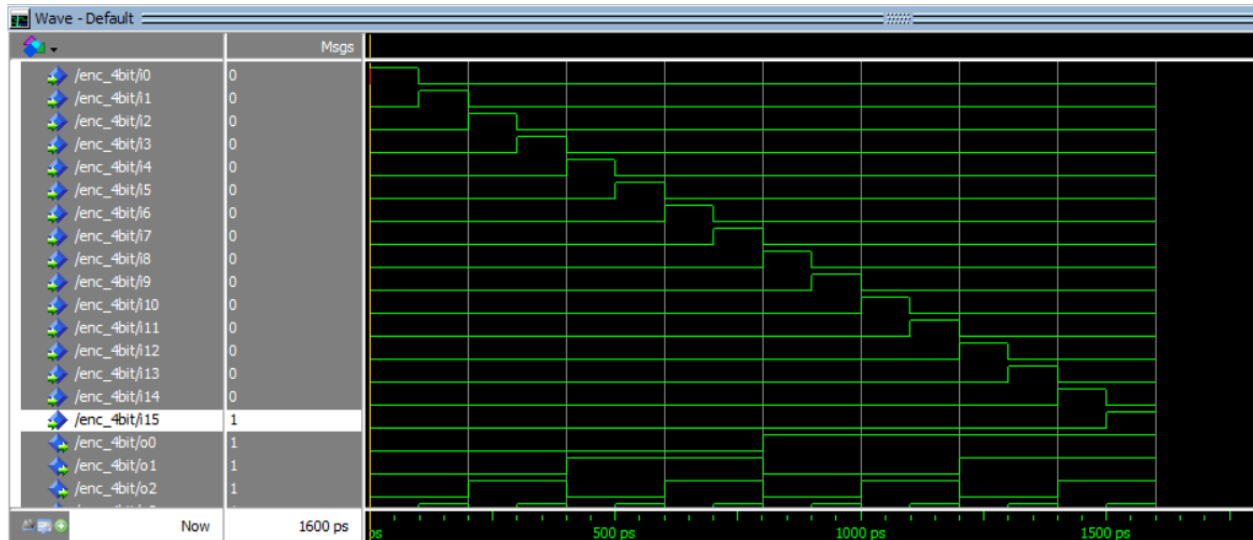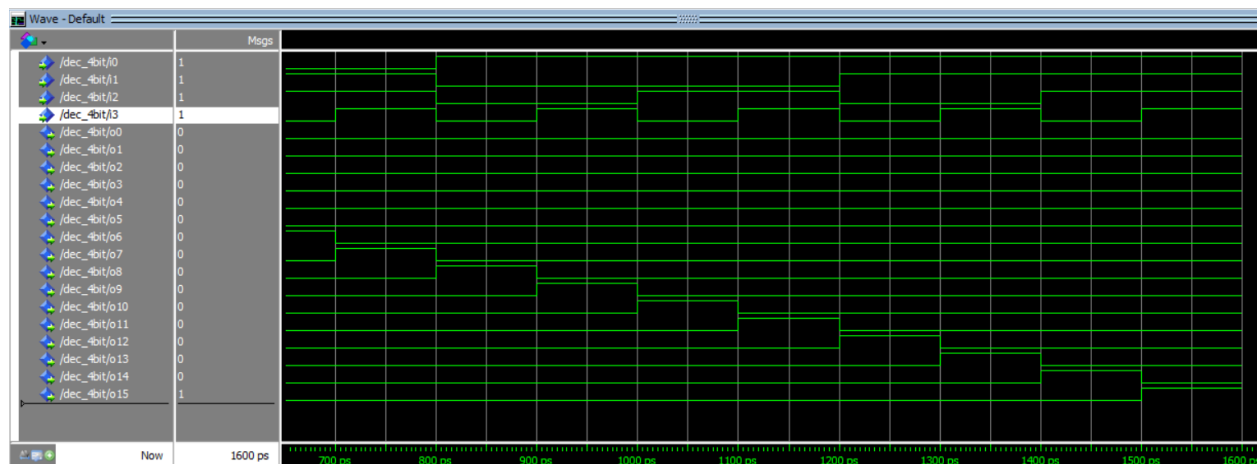
OUTPUT:

Fig: Waveform of 4-bit Encoder

OUTPUT:

Fig: Waveform of 4-bit Decoder