

adder_fp_tb_screenshot:

A: Sign: 0	Exponent: 11111111	Mantissa: 10000000000000000000000000000000
B: Sign: 0	Exponent: 11111111	Mantissa: 10000000000000000000000000000000
op: 0		
Y: Sign: 0	Exponent: 11111111	Mantissa: 11111111111111111111111111111111
A: Sign: 0	Exponent: 01111111	Mantissa: 10000000000000100000000001
B: Sign: 0	Exponent: 01111111	Mantissa: 10000000000000100000000000
op: 0		
Y: Sign: 0	Exponent: 10000000	Mantissa: 00000000000001000000000001
A: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
B: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
op: 0		
Y: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
A: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
B: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
op: 1		
Y: Sign: 0	Exponent: 11111111	Mantissa: 11111111111111111111111111111111
A: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
B: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
op: 1		
Y: Sign: 0	Exponent: 11111111	Mantissa: 11111111111111111111111111111111
A: Sign: 1	Exponent: 00000000	Mantissa: 00000000000000000000000000000000
B: Sign: 1	Exponent: 11111111	Mantissa: 00000000000000000000000000000000
op: 1		
Y: Sign: 0	Exponent: 11111111	Mantissa: 00000000000000000000000000000000

multiplier fp tb screenshot:

A: Sign: 0	Exponent: 10000001	Mantissa: 1000000000000000000000
B: Sign: 0	Exponent: 10000011	Mantissa: 0100000000000000000000
Y: Sign: 1	Exponent: 10000101	Mantissa: 1110000000000000000000
A: Sign: 0	Exponent: 11001000	Mantissa: 1001001100000000000000
B: Sign: 0	Exponent: 11001000	Mantissa: 1100000101110000000000
Y: Sign: 0	Exponent: 00000000	Mantissa: 0000000000000000000000
A: Sign: 0	Exponent: 10111111	Mantissa: 1001100001000000000000
B: Sign: 0	Exponent: 10110101	Mantissa: 0100100001010000000000
Y: Sign: 0	Exponent: 11110110	Mantissa: 00001011100100011001010
A: Sign: 1	Exponent: 10000001	Mantissa: 1000000000000000000000
B: Sign: 0	Exponent: 10000011	Mantissa: 0100000000000000000000
Y: Sign: 1	Exponent: 10000101	Mantissa: 1110000000000000000000
A: Sign: 1	Exponent: 10111111	Mantissa: 1001100001000000000000
B: Sign: 1	Exponent: 10110101	Mantissa: 0100100001010000000000
Y: Sign: 0	Exponent: 11110110	Mantissa: 00001011100100011001010
A: Sign: 0	Exponent: 10111111	Mantissa: 1111100001000000000000
B: Sign: 0	Exponent: 10110101	Mantissa: 0100100001011111111111
Y: Sign: 0	Exponent: 11110110	Mantissa: 10000110110011110001010
A: Sign: 0	Exponent: 00000000	Mantissa: 0000000000000000000000
B: Sign: 0	Exponent: 10110101	Mantissa: 0100100001011111111111
Y: Sign: 0	Exponent: 00000000	Mantissa: 0000000000000000000000
A: Sign: 0	Exponent: 11111111	Mantissa: 1110000000000000000000
B: Sign: 0	Exponent: 10110101	Mantissa: 0100100001011111111111
Y: Sign: 0	Exponent: 00000000	Mantissa: 0000000000000000000000

adder_fp utilization:

Utilization

Post-Synthesis | Post-Implementation

Graph | Table

Resource	Utilization	Available	Utilization...
LUT	545	53200	1.02
FF	147	106400	0.14
IO	101	200	50.50
BUFG	1	32	3.13

multiplier_fp utilization:

Utilization	Post-Synthesis	Post-Implementation	
Graph Table			
Resource	Utilization	Available	Utilization...
LUT	251	53200	0.47
FF	144	106400	0.14
DSP	2	220	0.91
IO	100	200	50.00
BUFG	1	32	3.13

total utilization:

Sum of adder_fp and multiplier_fp Utilization			
Resource	Utilization	Available	Utilization %
LUT	796	53200	1.49%
FF	291	106400	0.28%
DSP	2	220	0.91%
IO	201	200	100.50%
BUFG	2	32	6.26%