

COA Lab Assignment 2  
Group number 6  
18CS30005 - Aditya Singh  
18CS30021 - Itish Agarwal

Part 1 : Ripple Carry Adder;

Critical Path Delay - 7.118

Hardware Requirement -  
Slice LUTs (63400) - 8  
Bonded IOB (210) - 26

Part 2 : Hybrid binary adder;

Critical Path Delay - 6.452

Hardware Requirement -  
Slice LUTs (63400) - 8  
Bonded IOB (210) - 26

Part 3 : Bit serial binary adder;

Critical Path Delay - 4.090

Hardware Requirement -  
Slice LUTs (63400) - 21  
Slice Registers (126800) - 32  
Bonded IOB (210) - 28  
BUFGCTRL - 32