

Verilog Todo

Given the following Combinational circuit, Use Verilog HDL on Quartus tool to

- a. Implement the 1-bit adder and use it to build 4-bit adder structurally
- b. Implement the MUX2x1 using behavioral and then use it to build the Quad MUX 2x1 structurally.
- c. Implement the 4-bit OR Array using Data flow
- d. Implement the 4-bit AND Array structurally
- e. Use the blocks you implemented in the parts above to build the final system shown in the figure.
- f. You should show simulation results for each of the above parts

