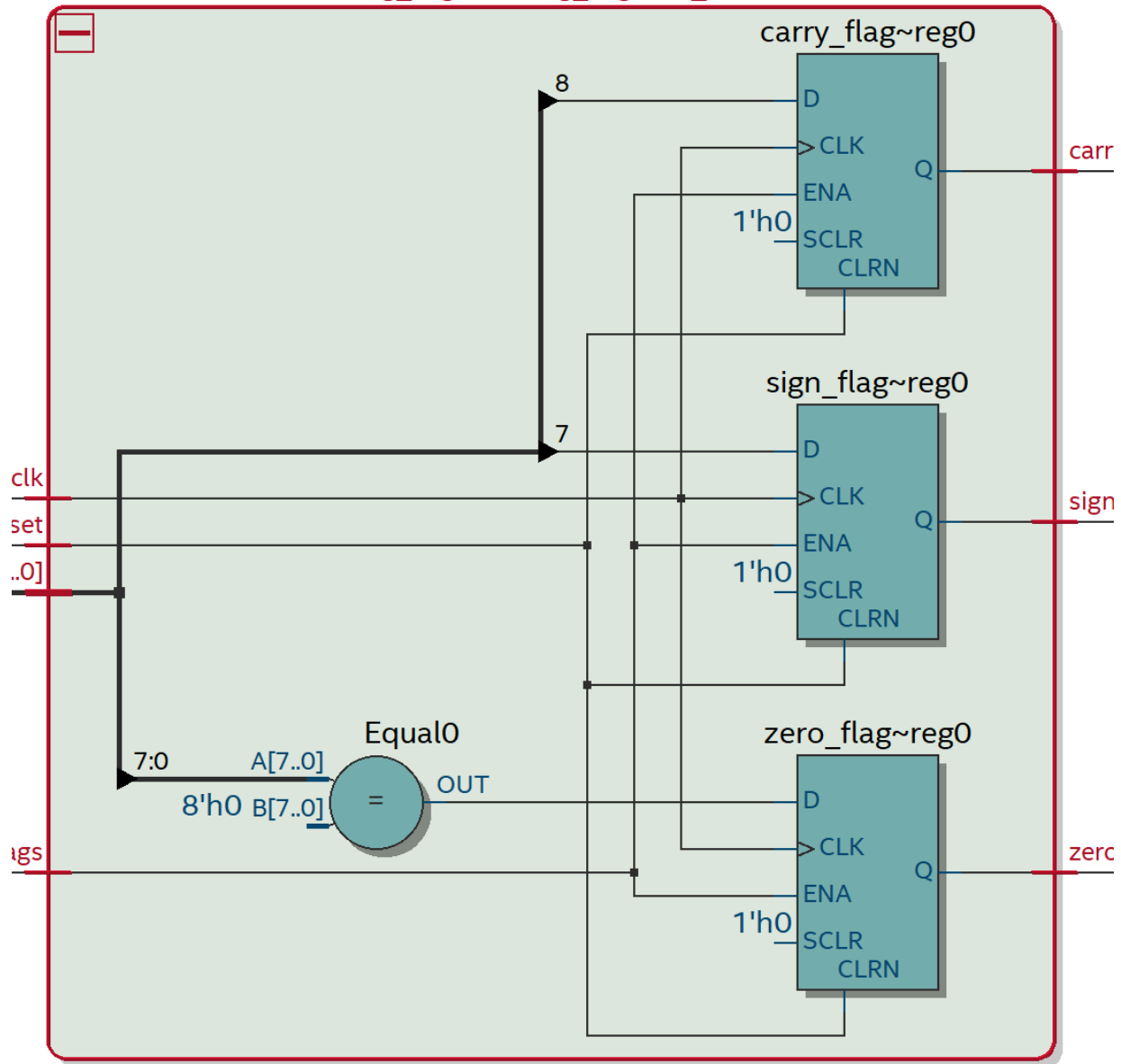
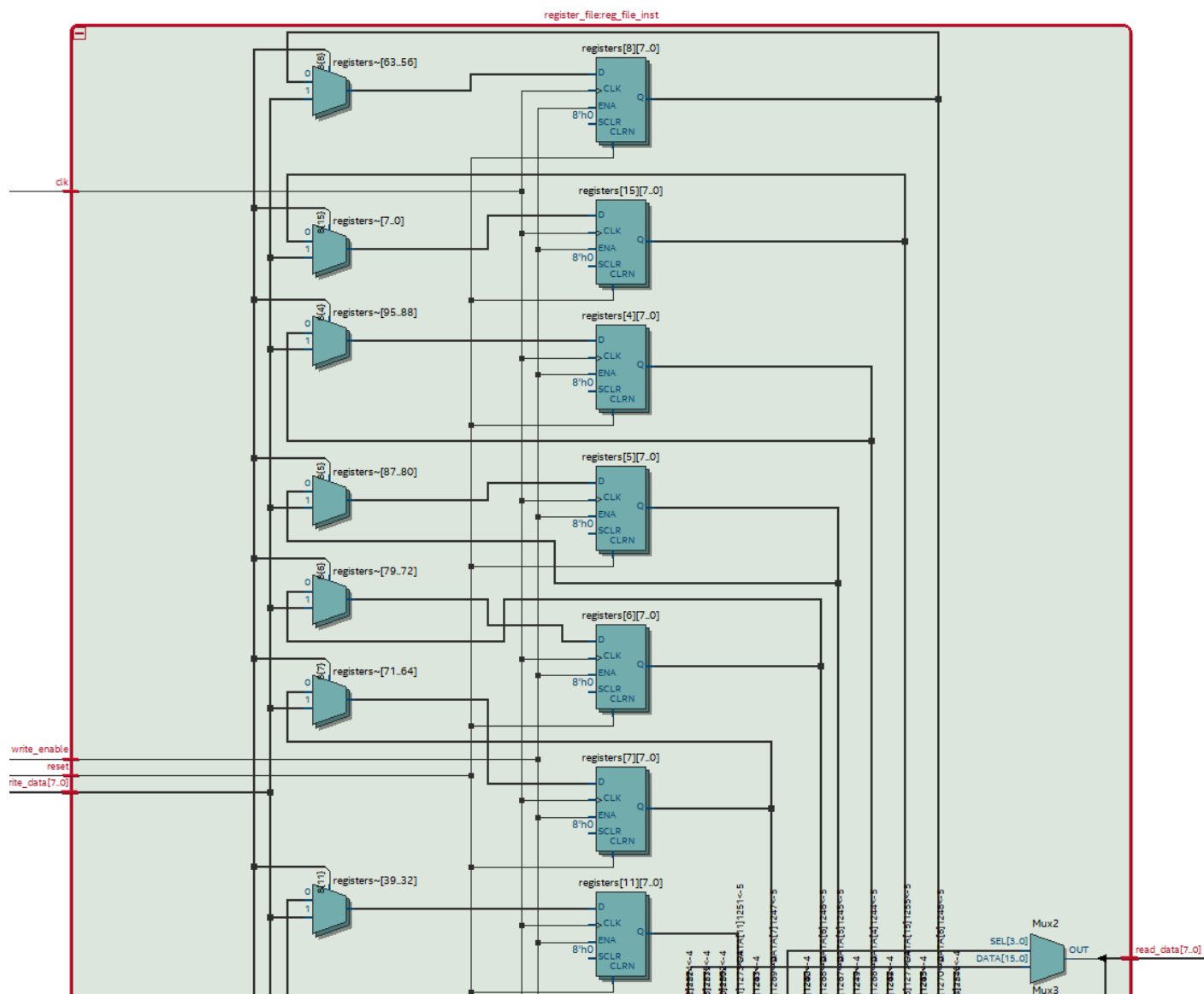
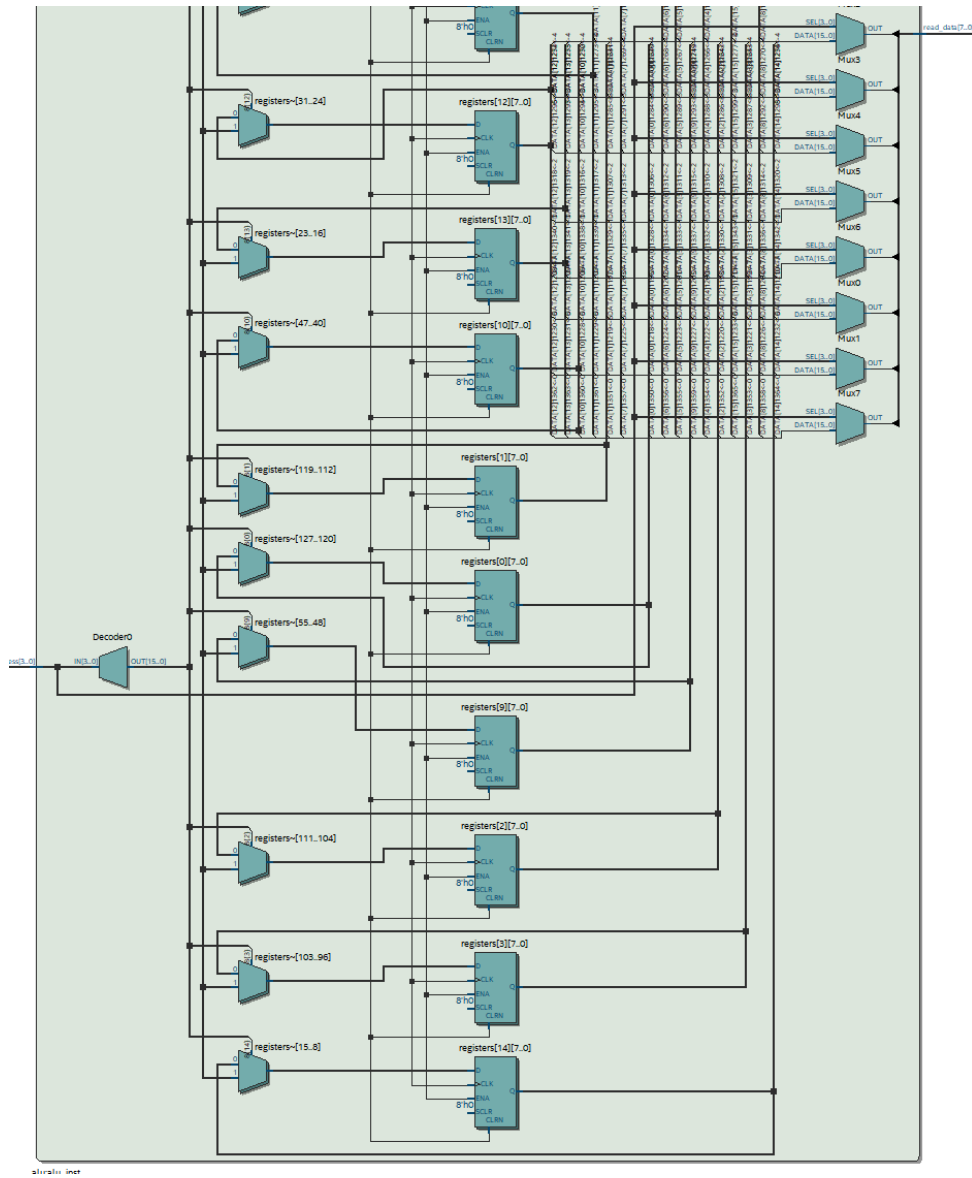


flag_register:flag_register_inst



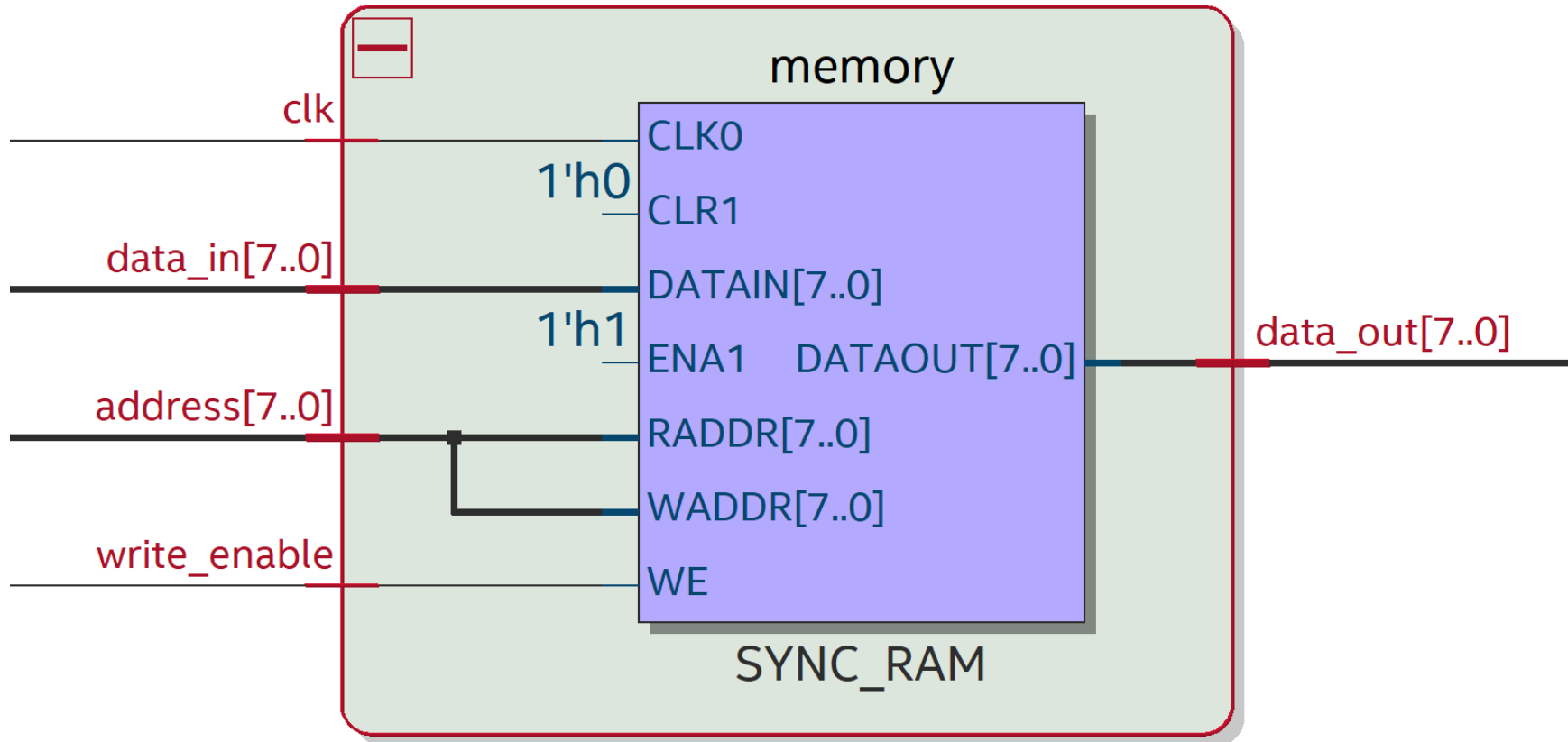


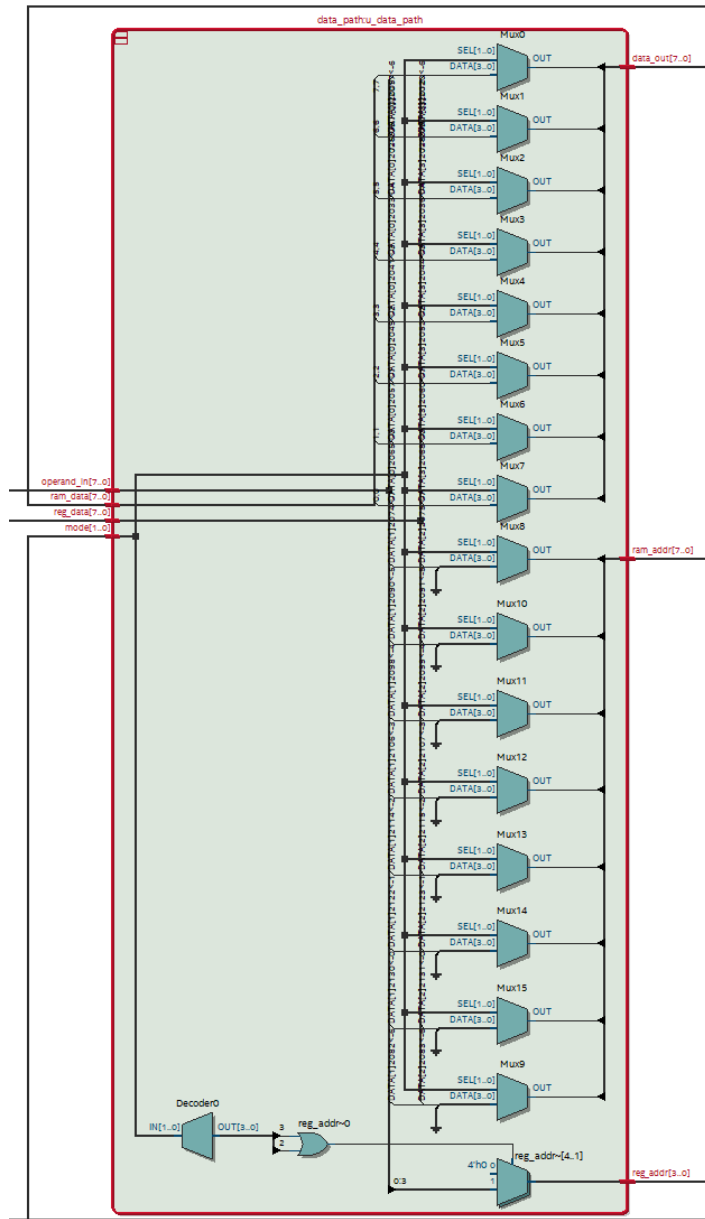
Reg_file 1/2



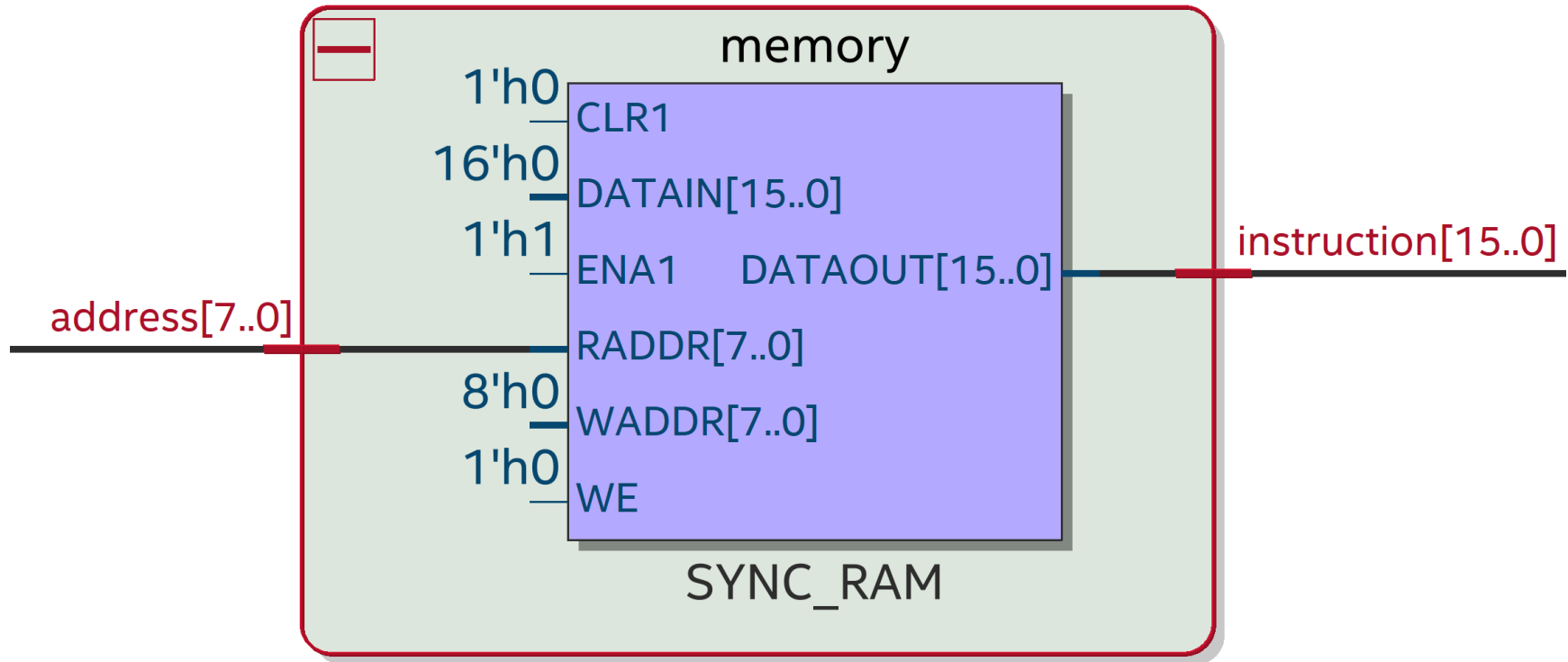
Reg_file 2/2

data_memory:u_data_memory

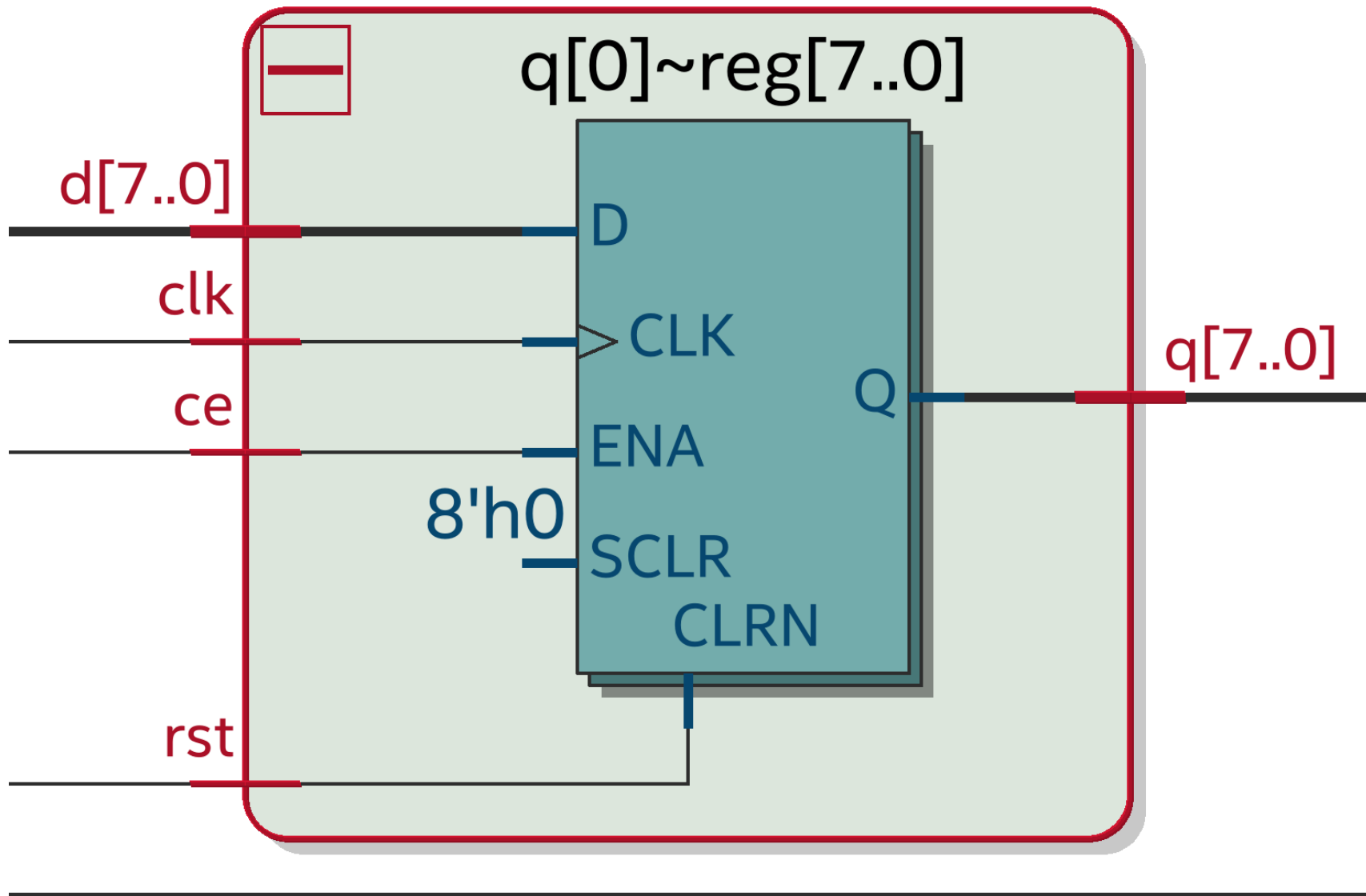


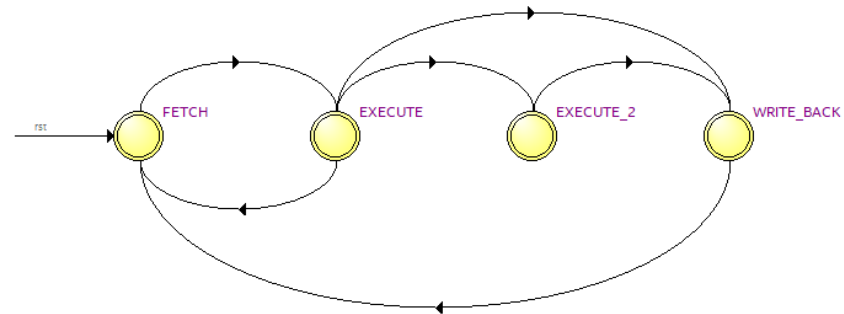


program_memory:u_program_memory



pipo:u_pipo2





	Source State	Destination State	Condition
1	EXECUTE	FETCH	(!always3).(!two_operand_math) + (!always3).(two_operand_math).(rom_in[8]).(!rom_in[9]).(!rom_in[10]).(!rom_in[11])
2	EXECUTE	EXECUTE_2	(two_operand_math).(rom_in[8]) + (two_operand_math).(rom_in[8]).(!rom_in[9]).(!rom_in[10]).(!rom_in[11]) + (two_operand_math).(rom_in[8]).(!rom_in[9]).(!rom_in[10]) + (two_operand_math).(rom_in[8]).(!rom_in[9])
3	EXECUTE	WRITE_BACK	(always3).(!two_operand_math) + (always3).(two_operand_math).(rom_in[8]).(!rom_in[9]).(!rom_in[10]).(!rom_in[11])
4	EXECUTE_2	WRITE_BACK	
5	FETCH	EXECUTE	
6	WRITE_BACK	FETCH	