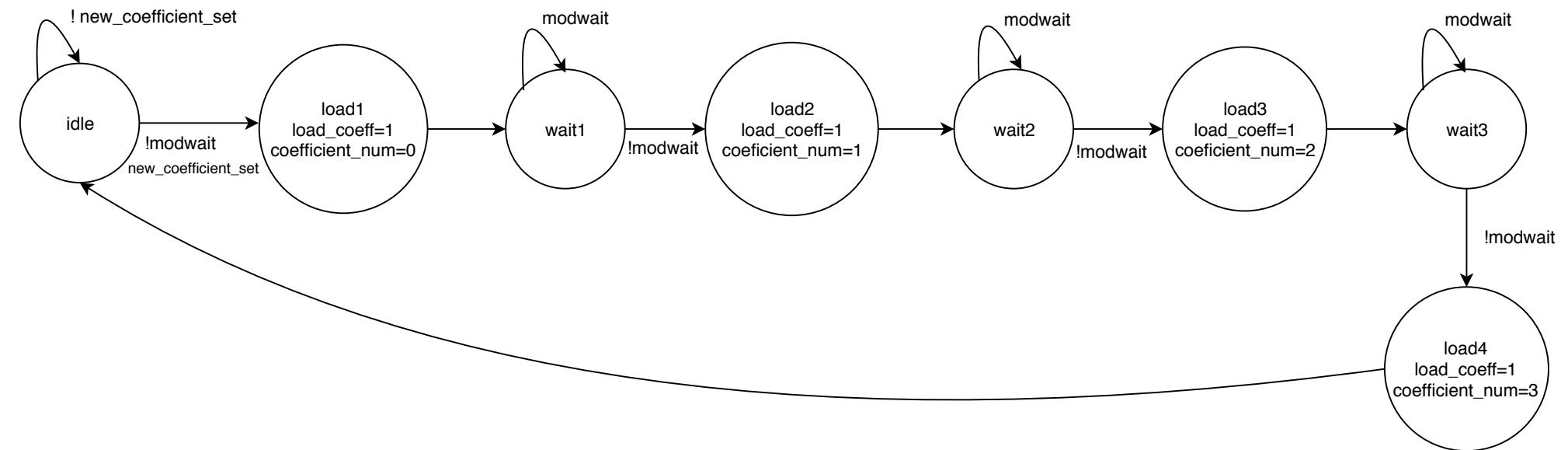
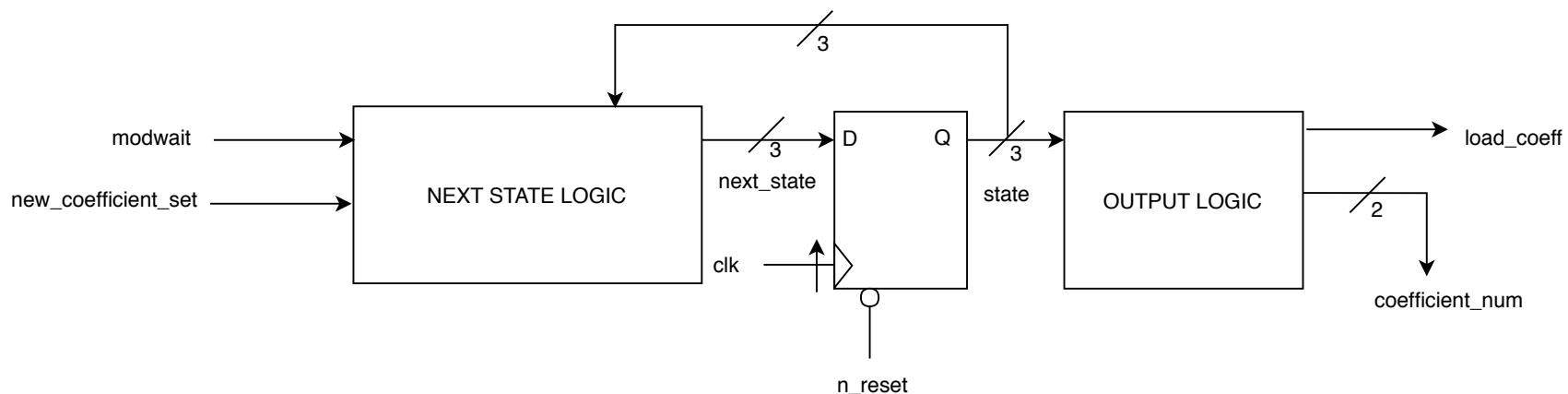


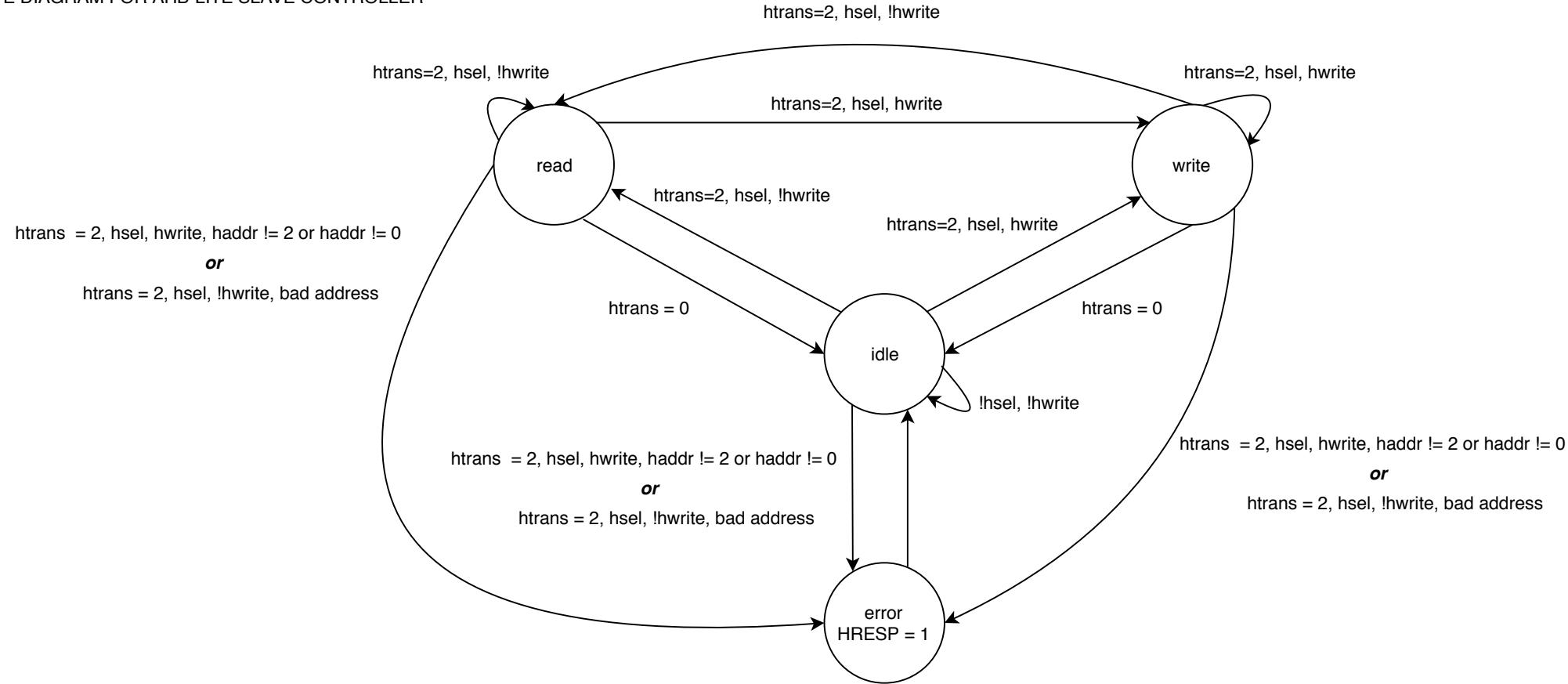
## STATE DIAGRAM FOR COEFFICIENT LOADER MODULE



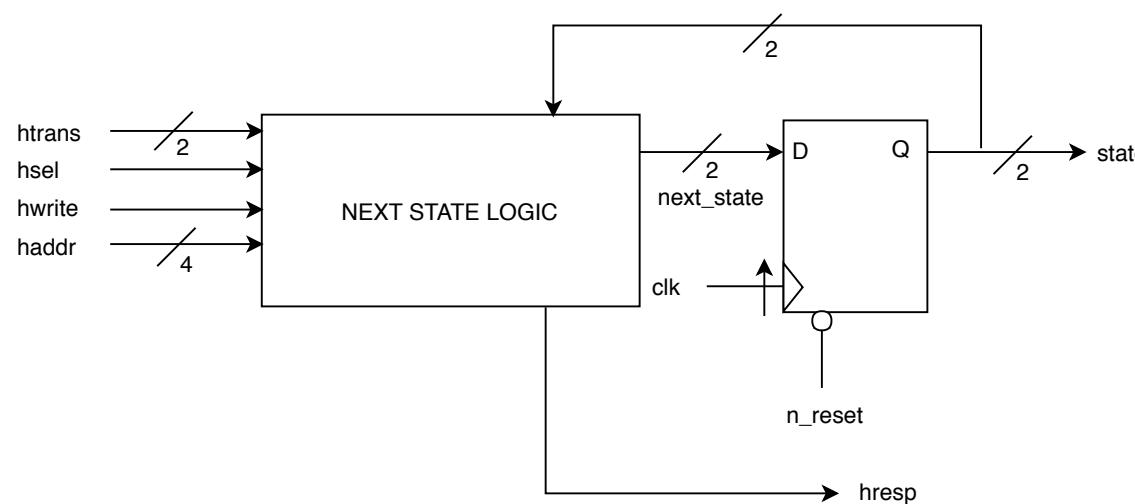
## FSM COEFFICIENT LOADER MODULE



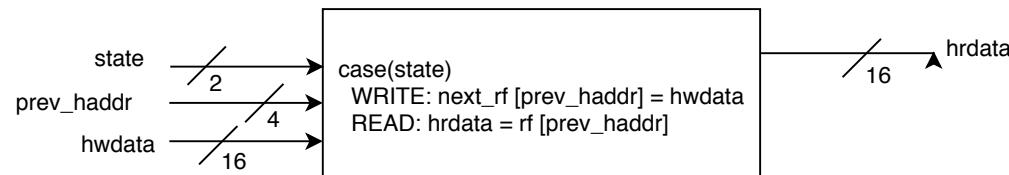
# STATE DIAGRAM FOR AHB-LITE SLAVE CONTROLLER



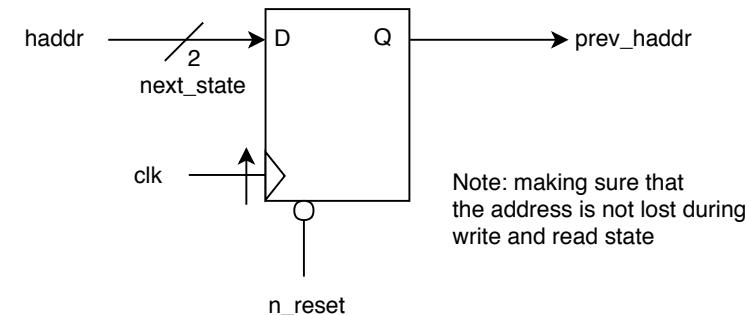
# FSM APB-LITE CONTROLLER



### OUTPUT LOGIC FOR CONTROLLER



### FLIP FLOP FOR TAKING CARE PIPELINE ADDRESS



### REGISTER FILE

