

432:AS

illegal\_reg\_rv32e = regfile\_raddr\_a\_o[4] & (alu\_op\_a\_mux\_sel\_o == OP\_A\_REG\_A) | regfile\_raddr\_b\_o[4] & (alu\_op\_b\_mux\_sel\_o == OP\_B\_REG\_B) | regfile\_waddr\_o[4] & regfile\_we;