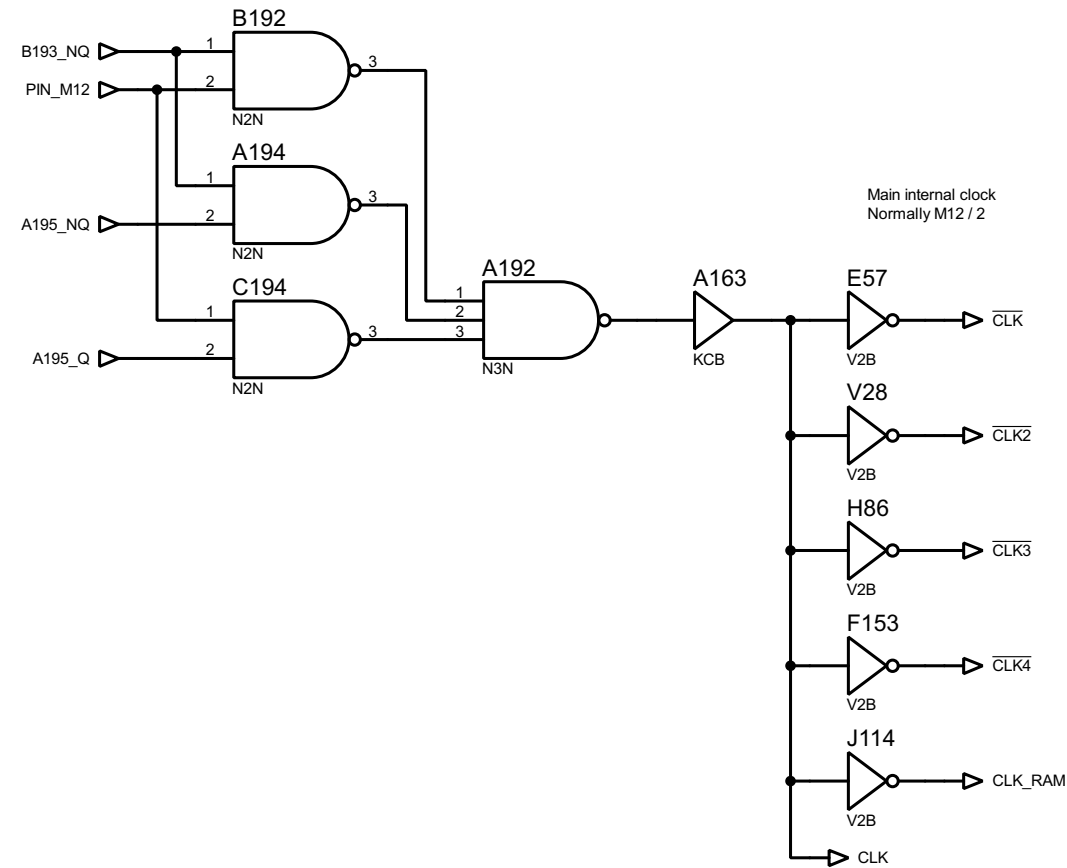
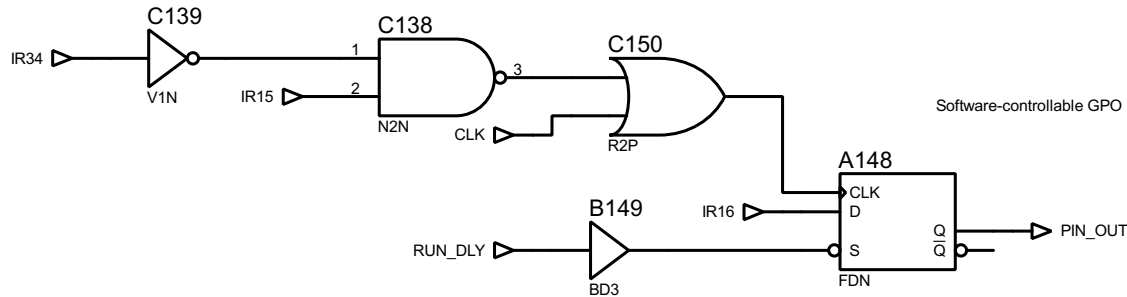
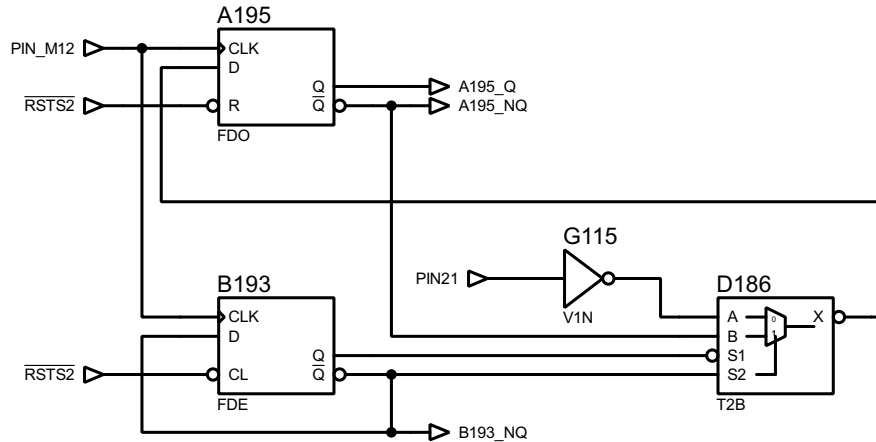
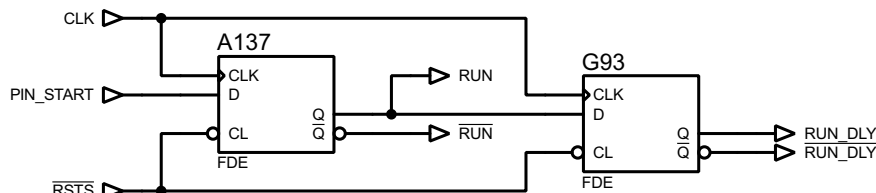
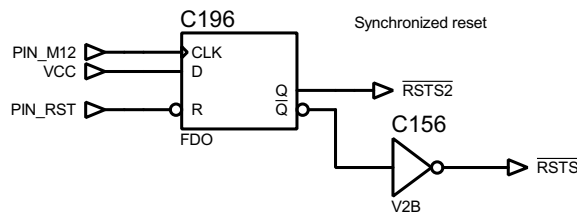
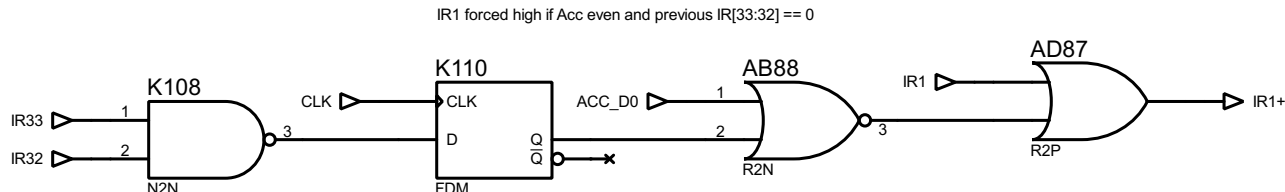
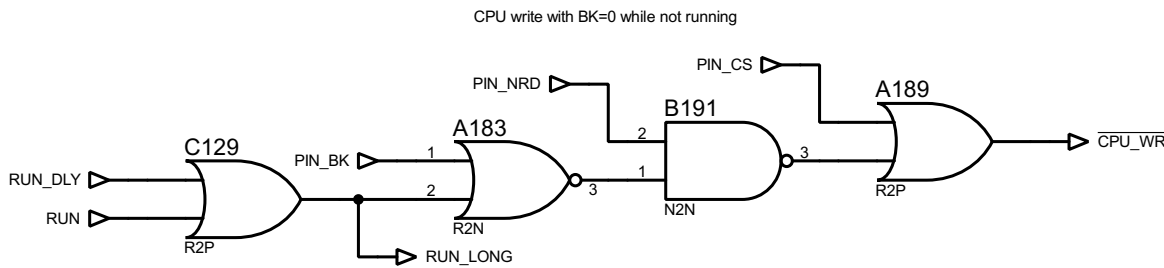
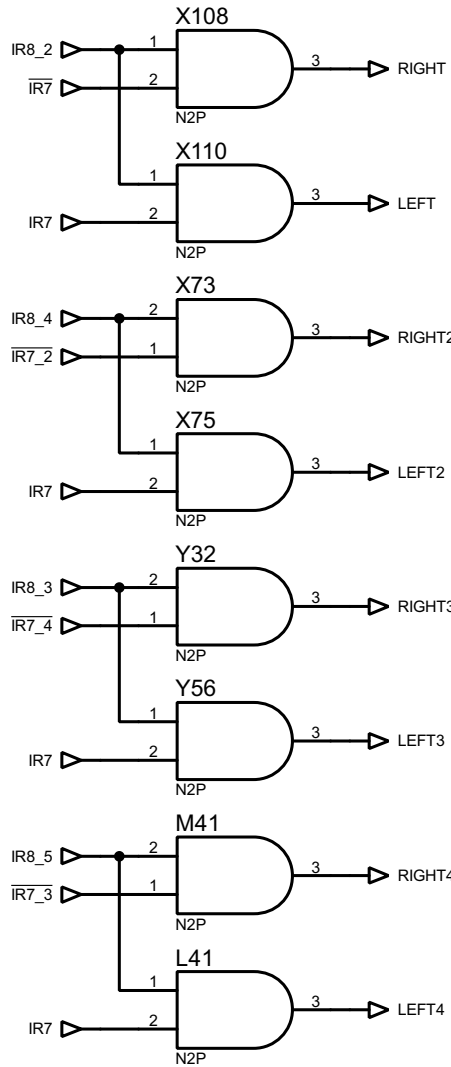
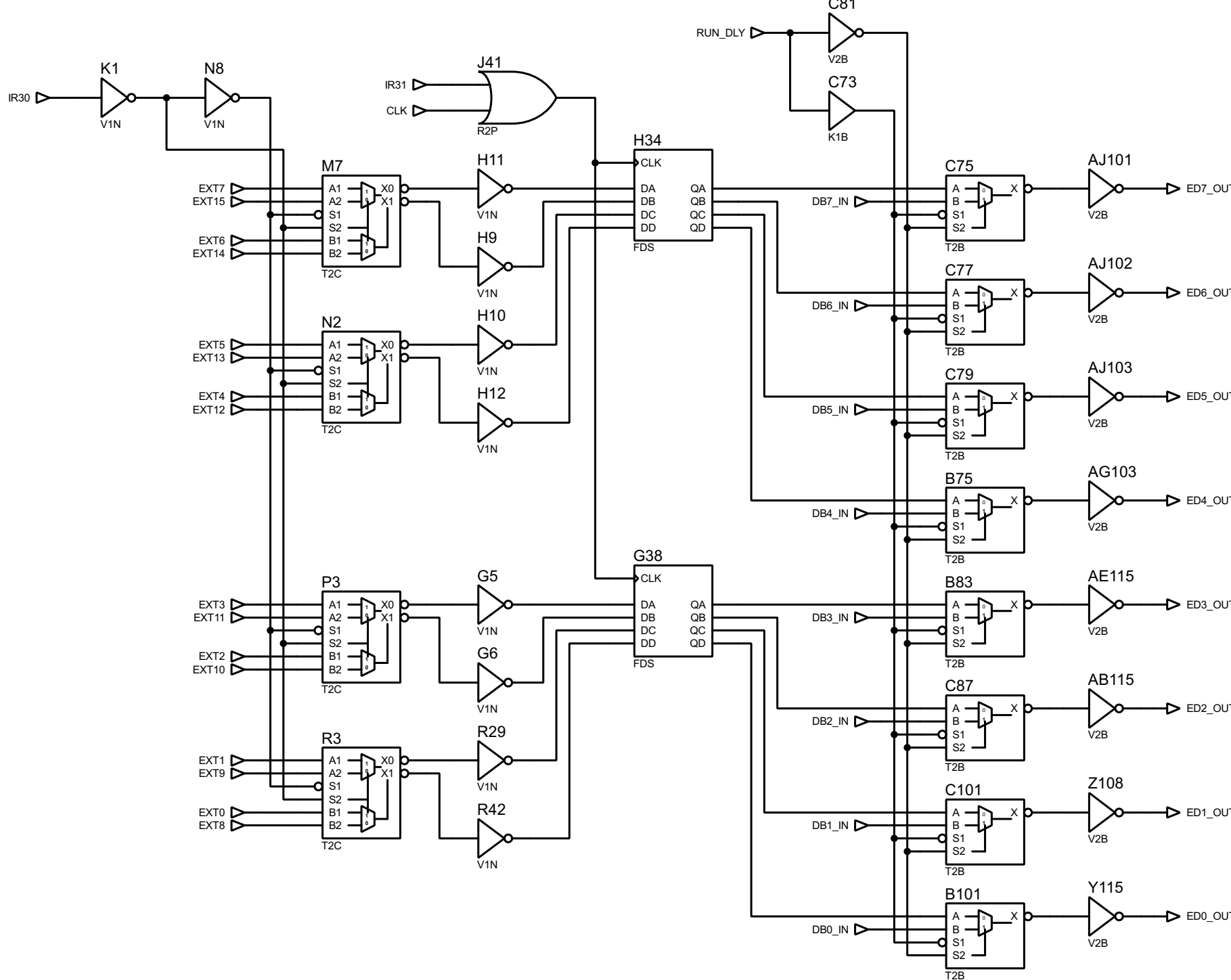
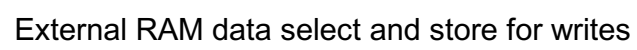
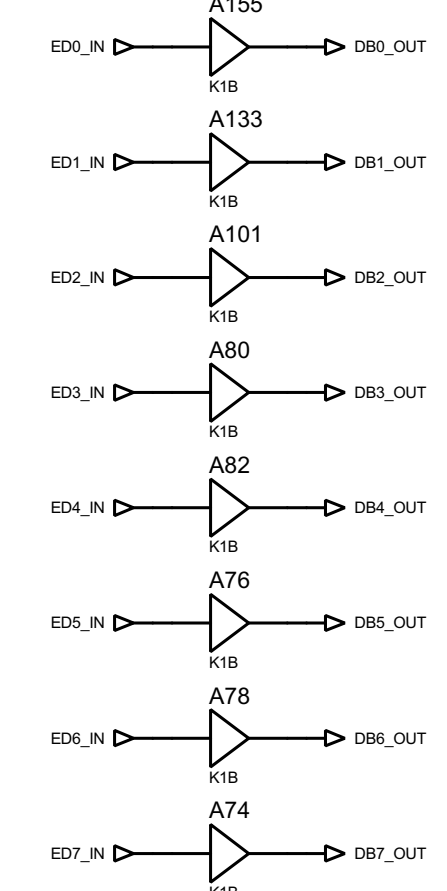
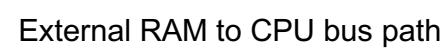
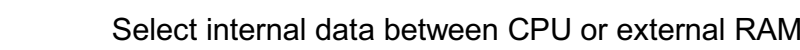
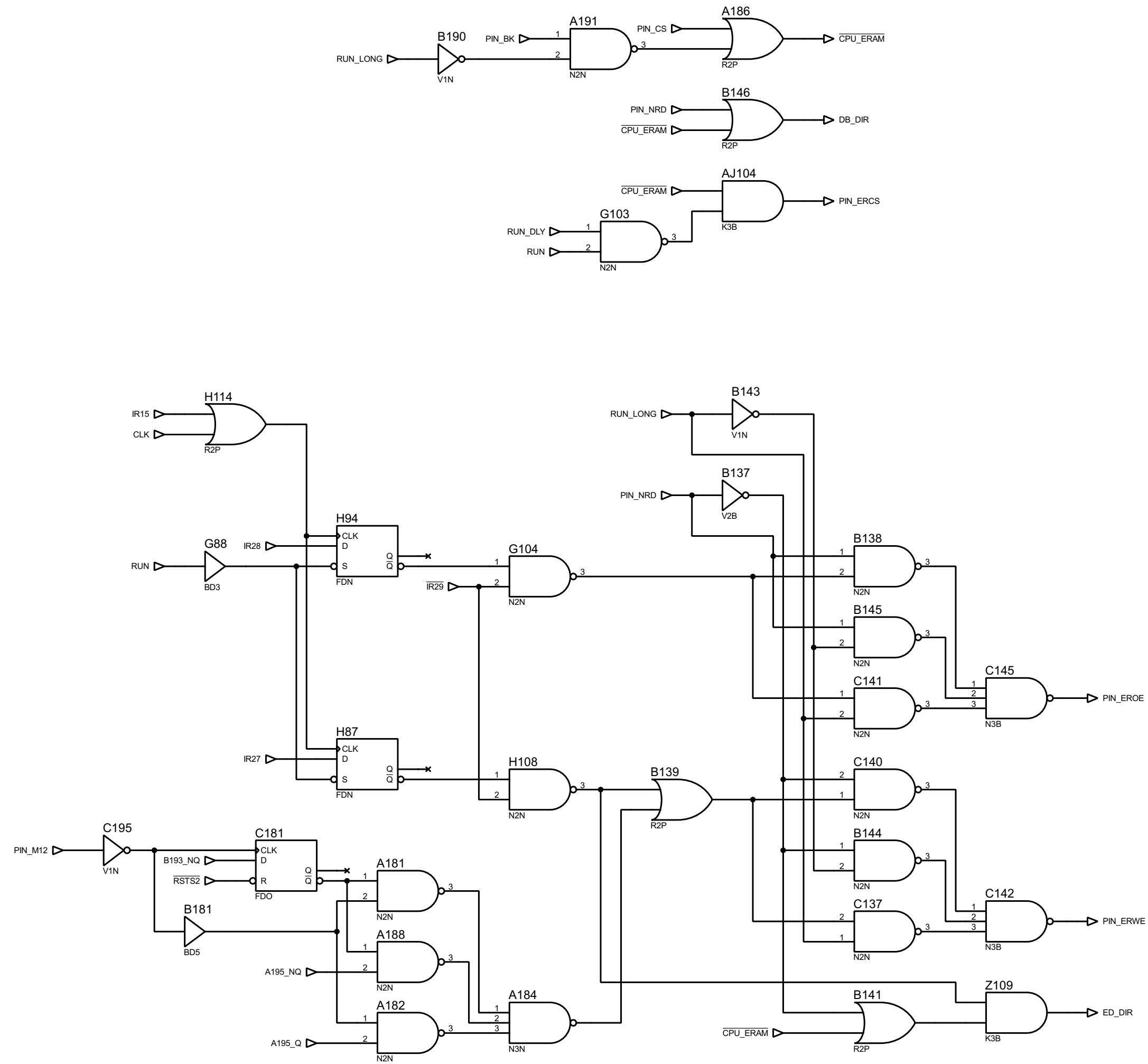


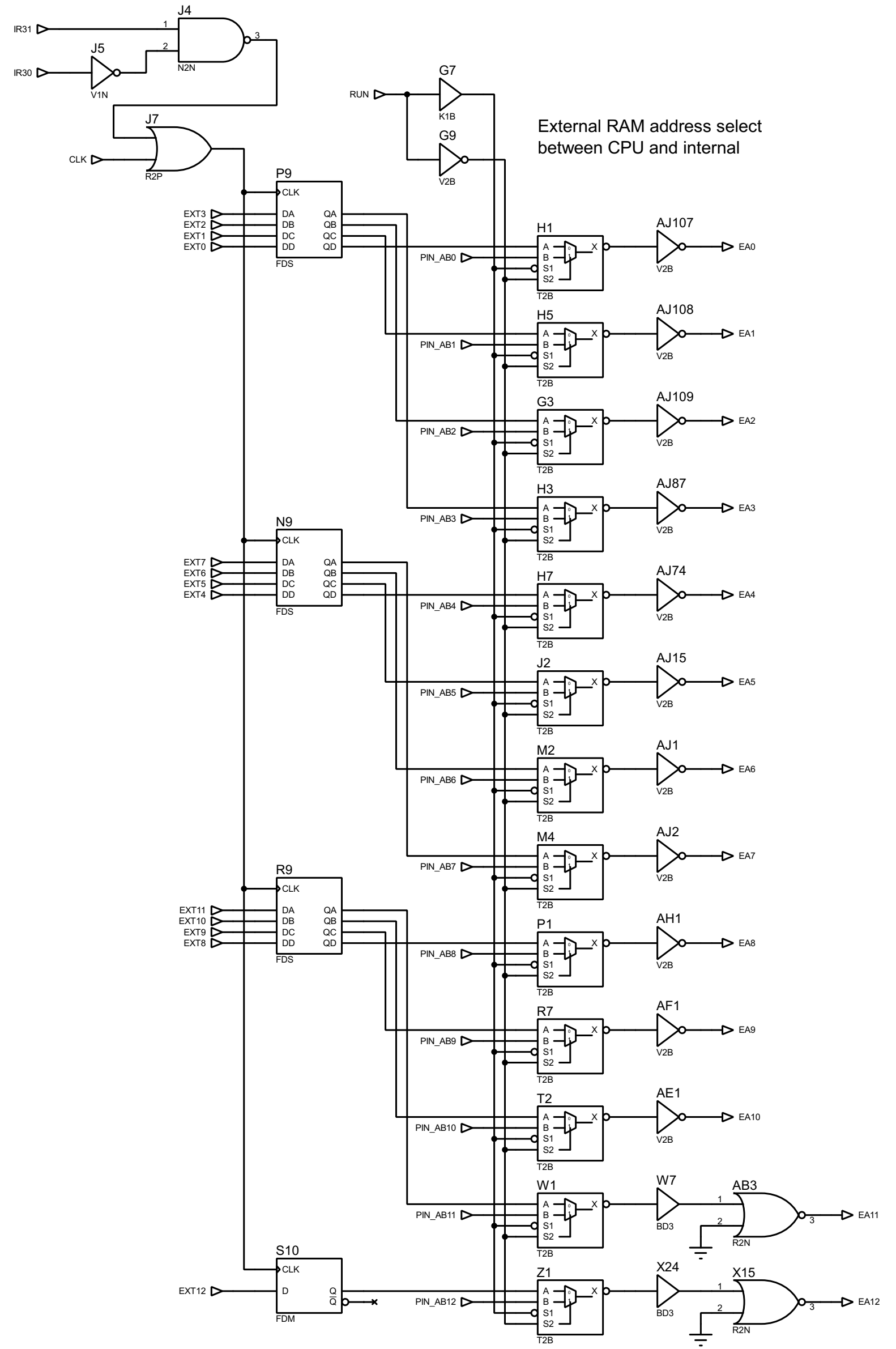
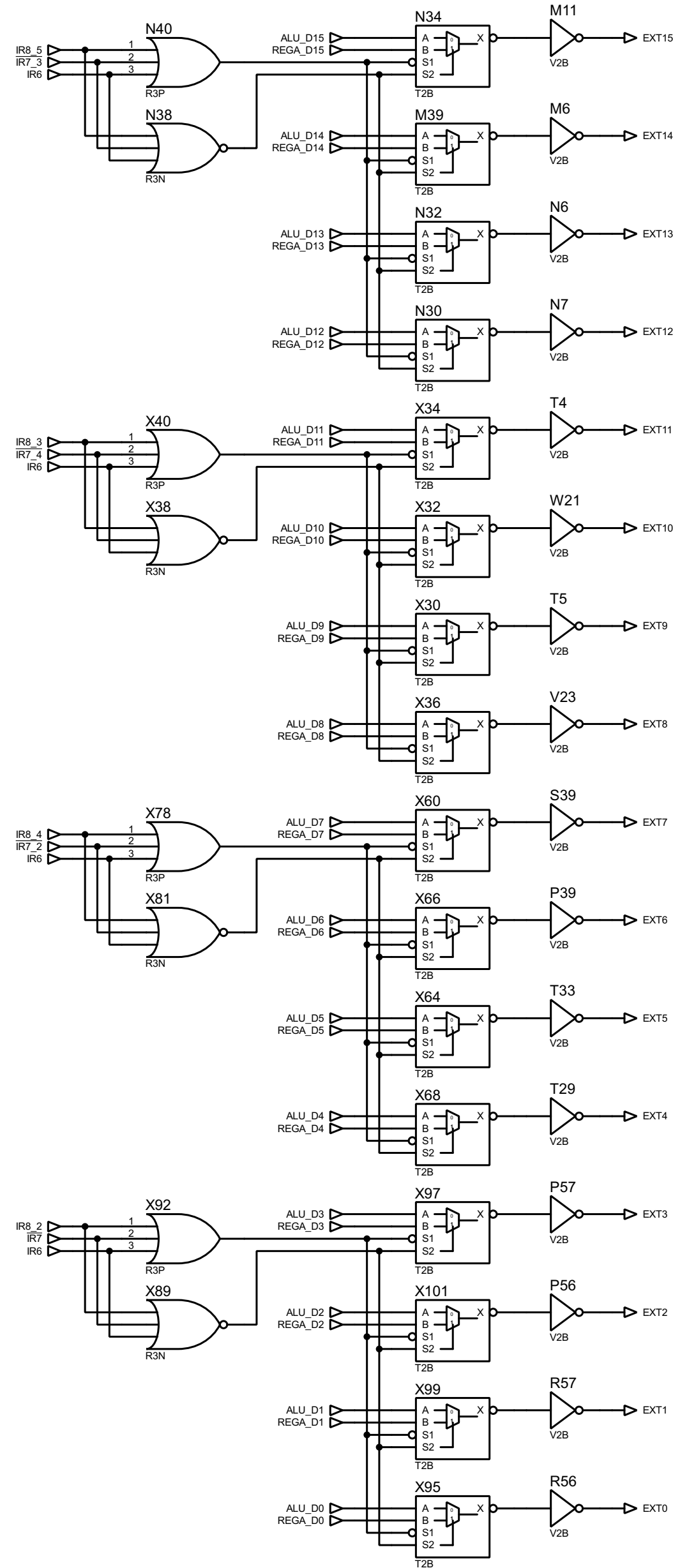
Logic duplication go brrrr  
4x same function

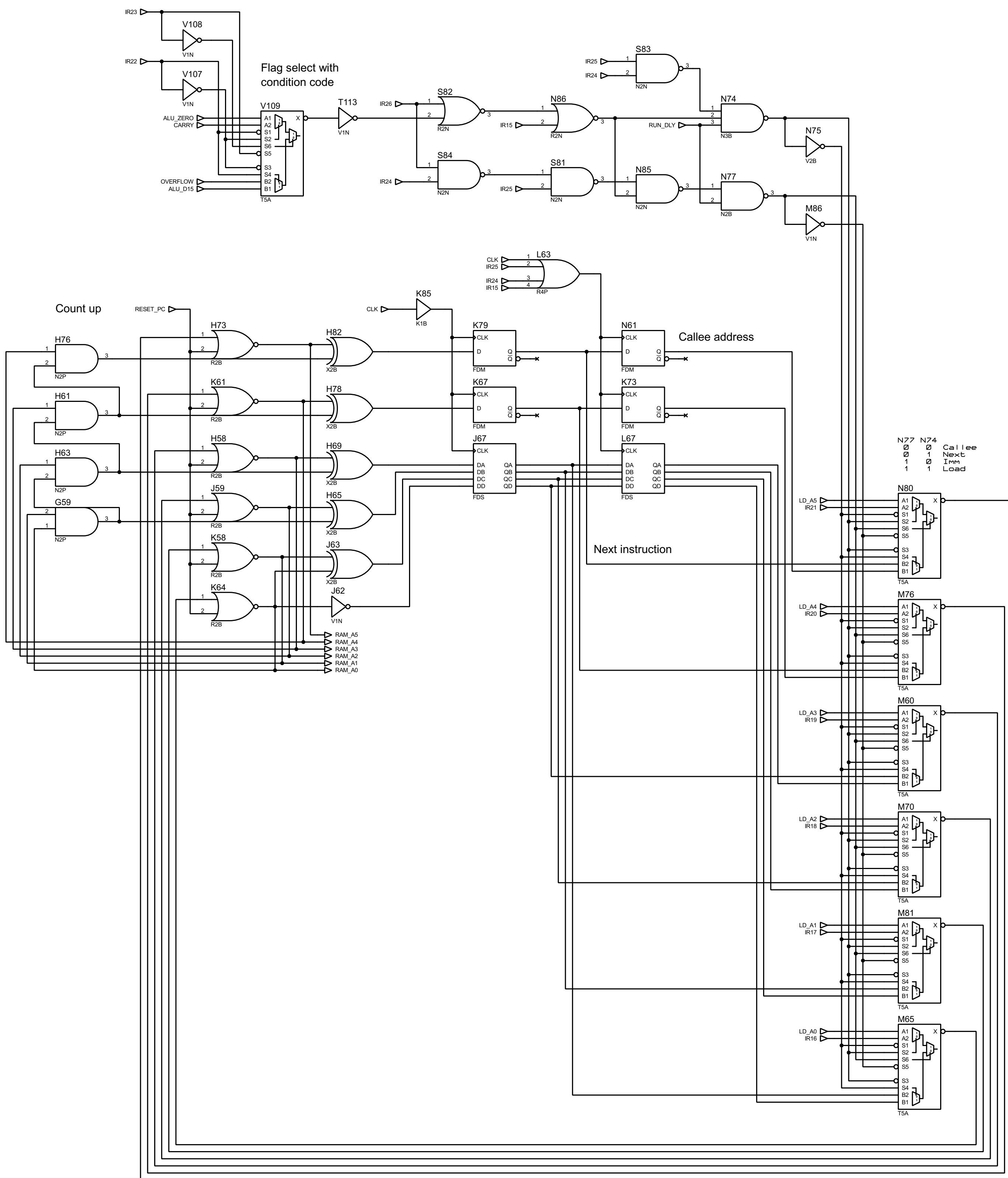
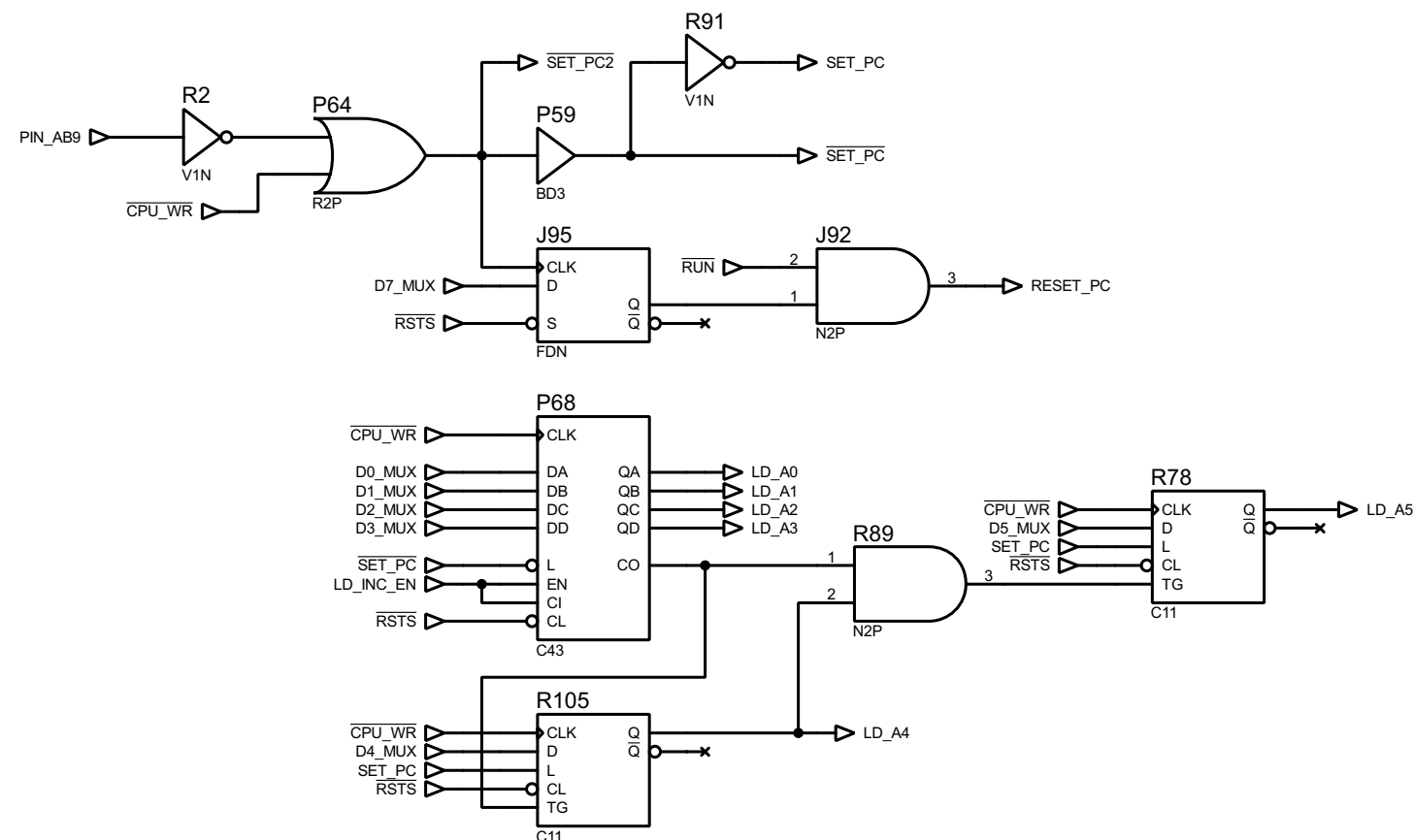
Shift/rotate direction





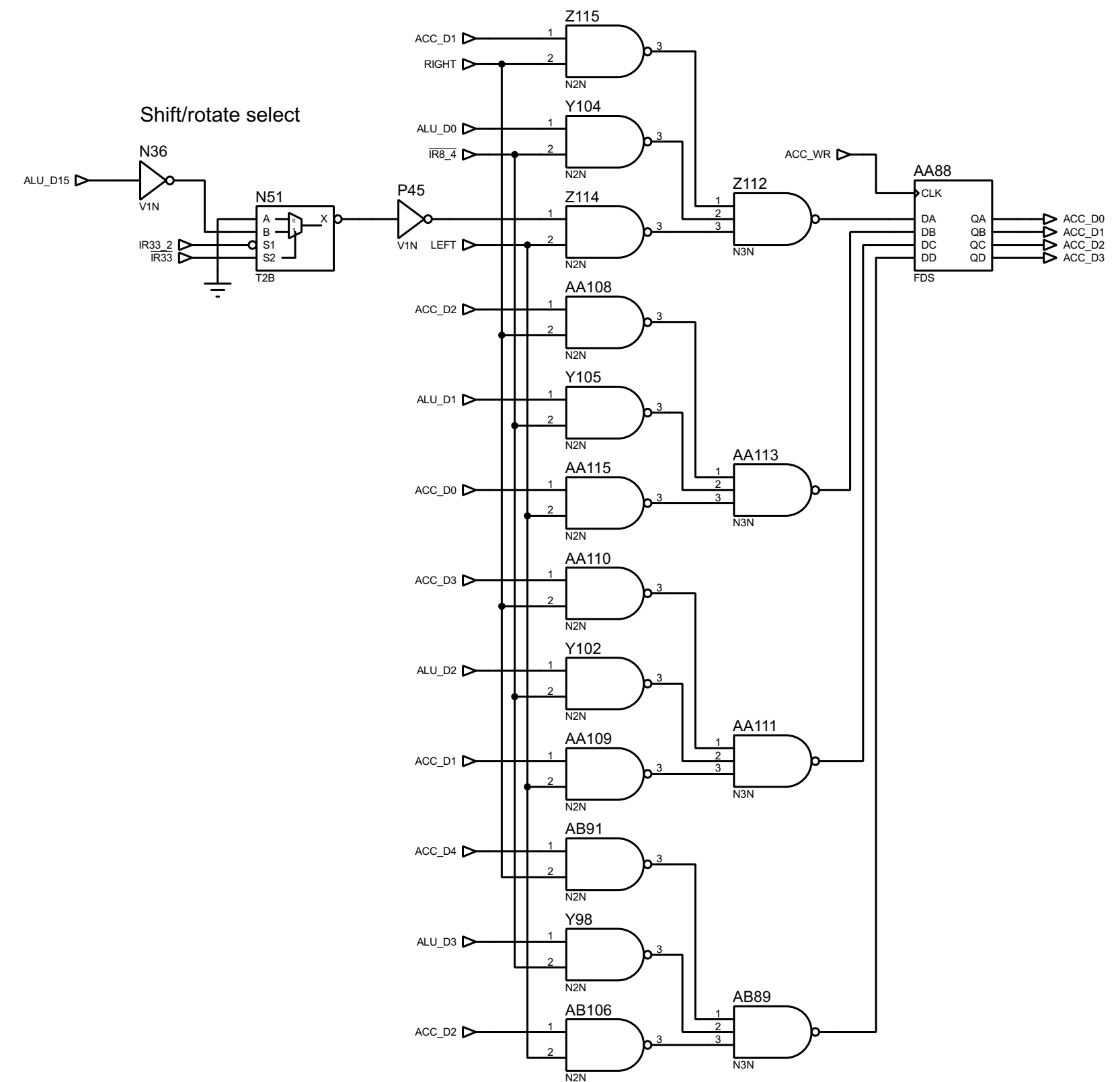
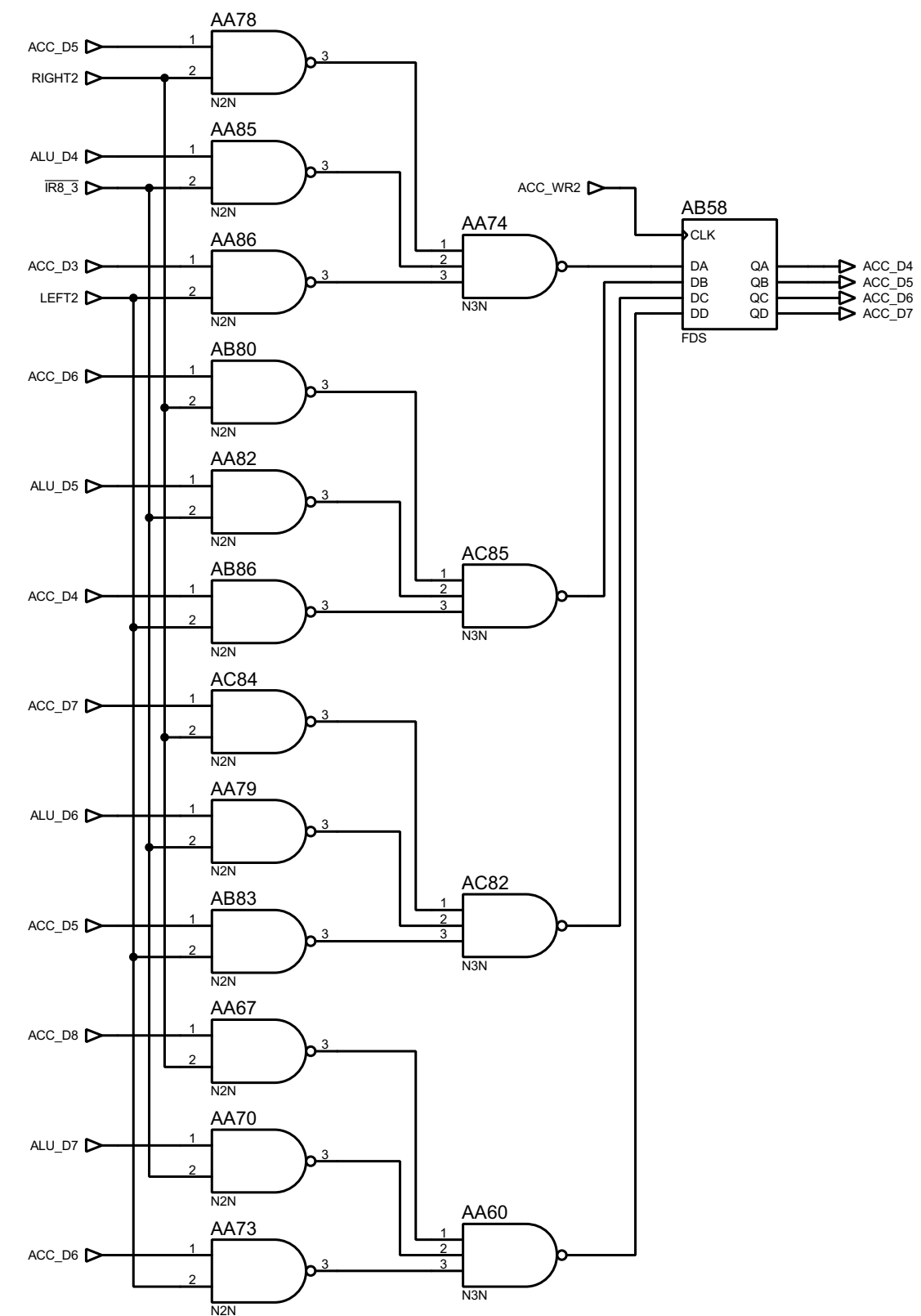
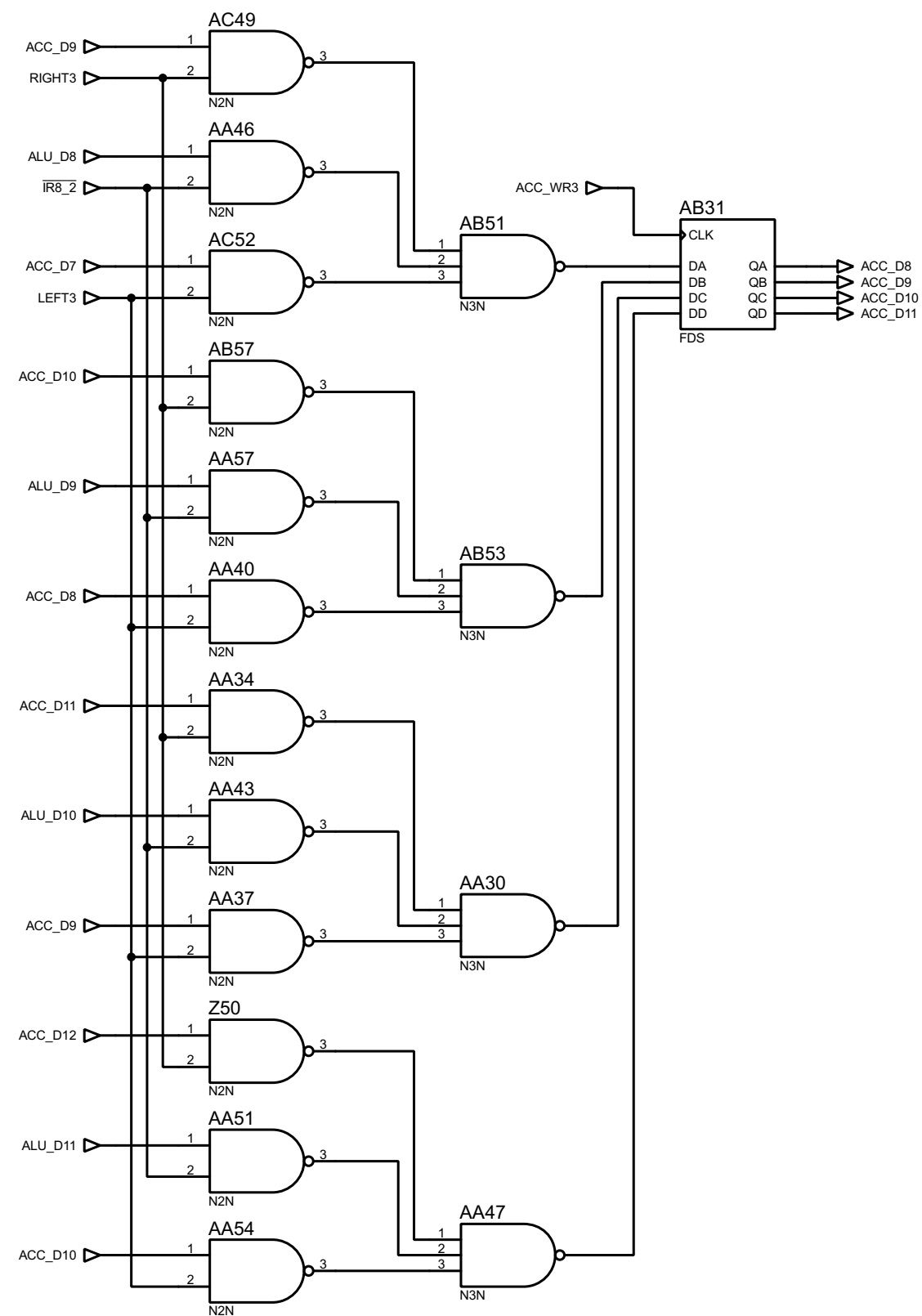
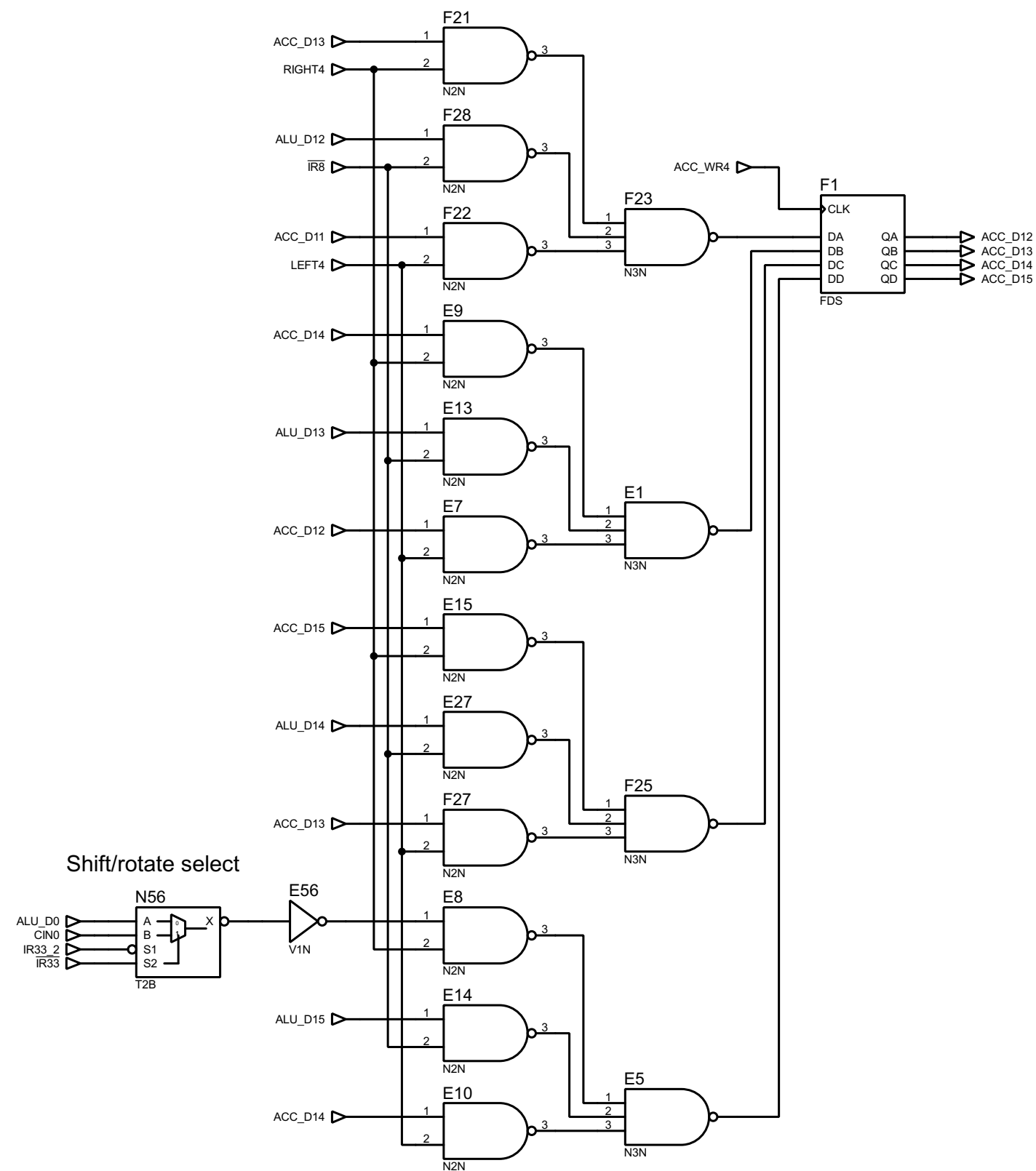
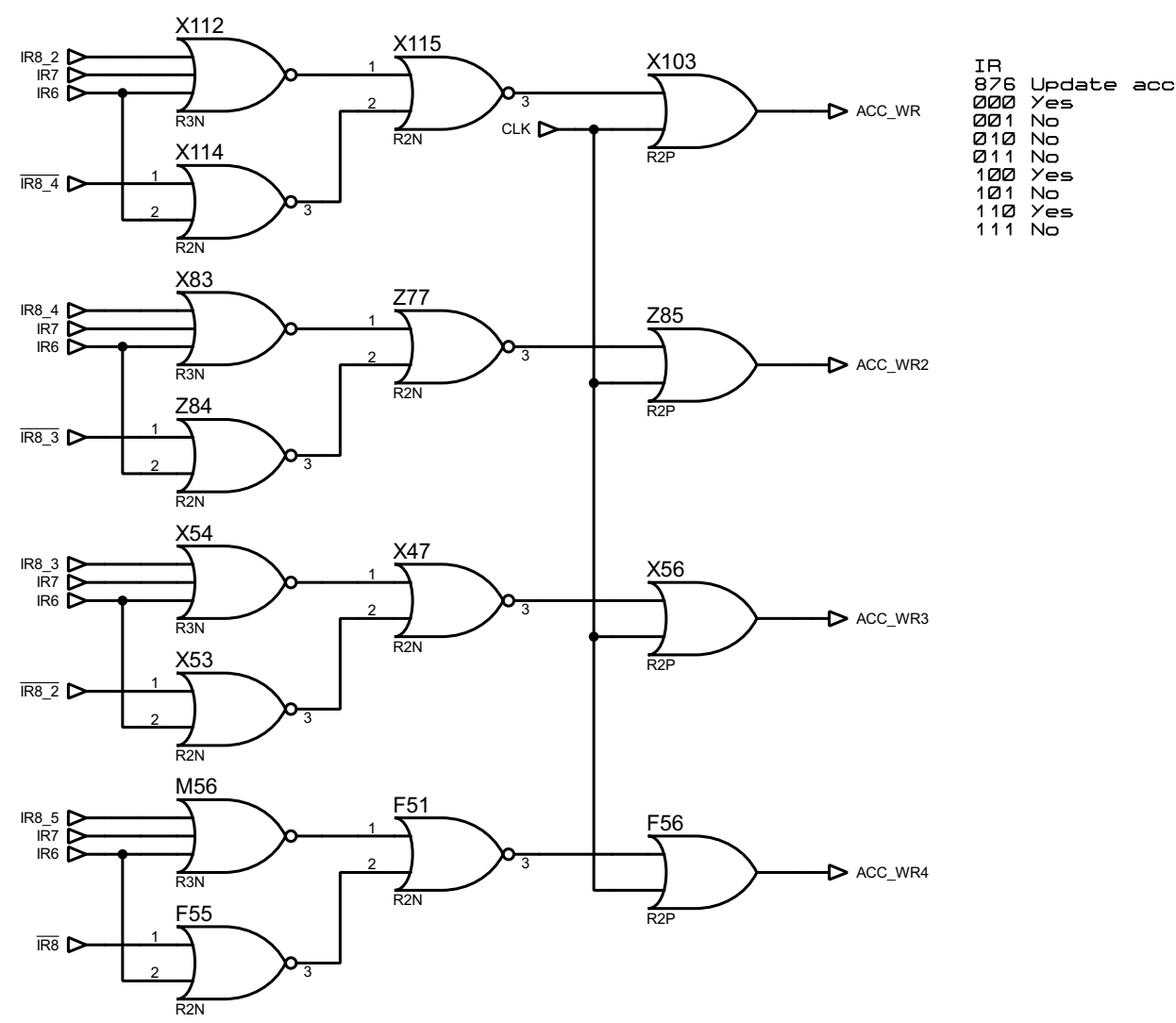


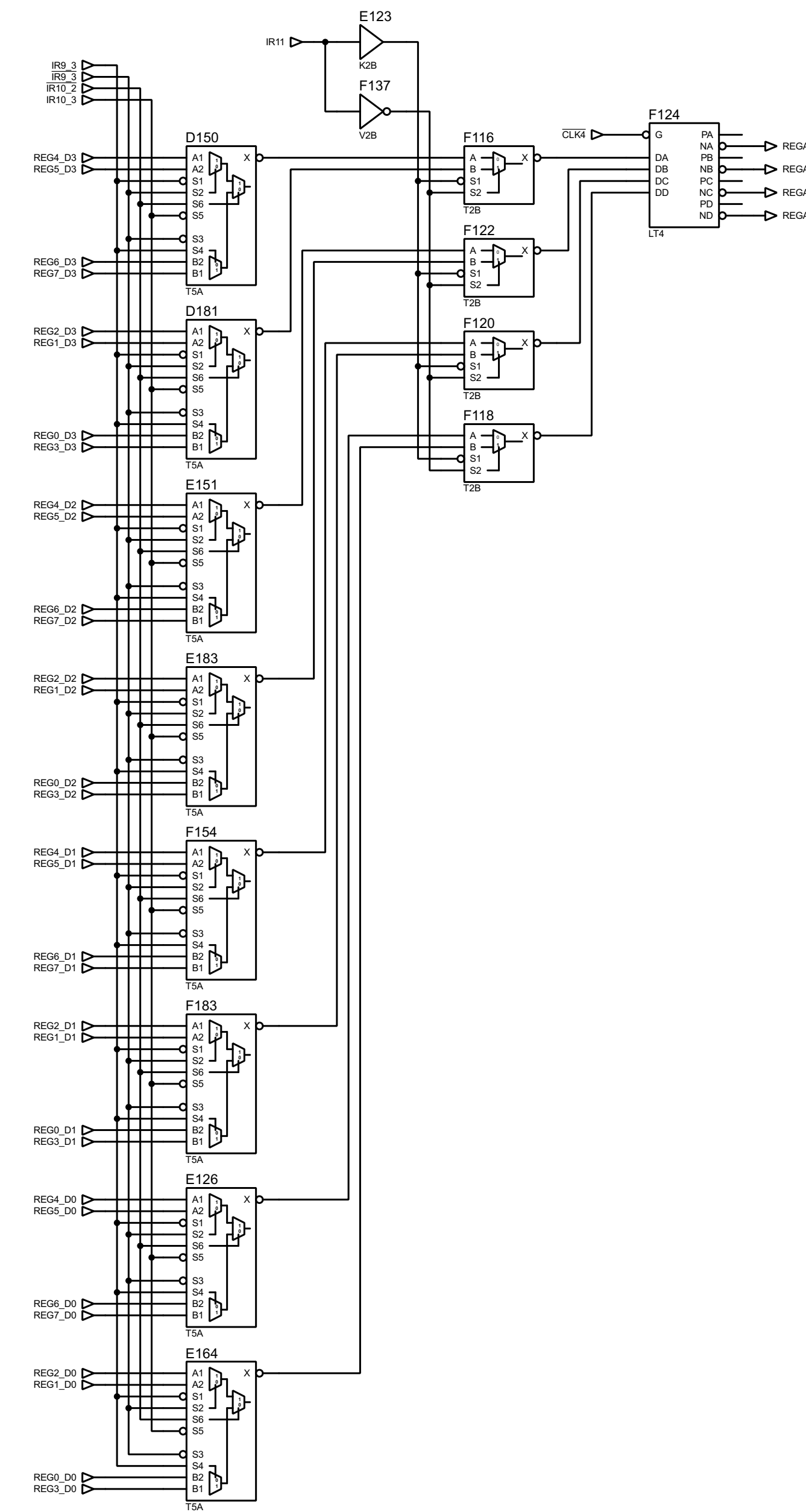
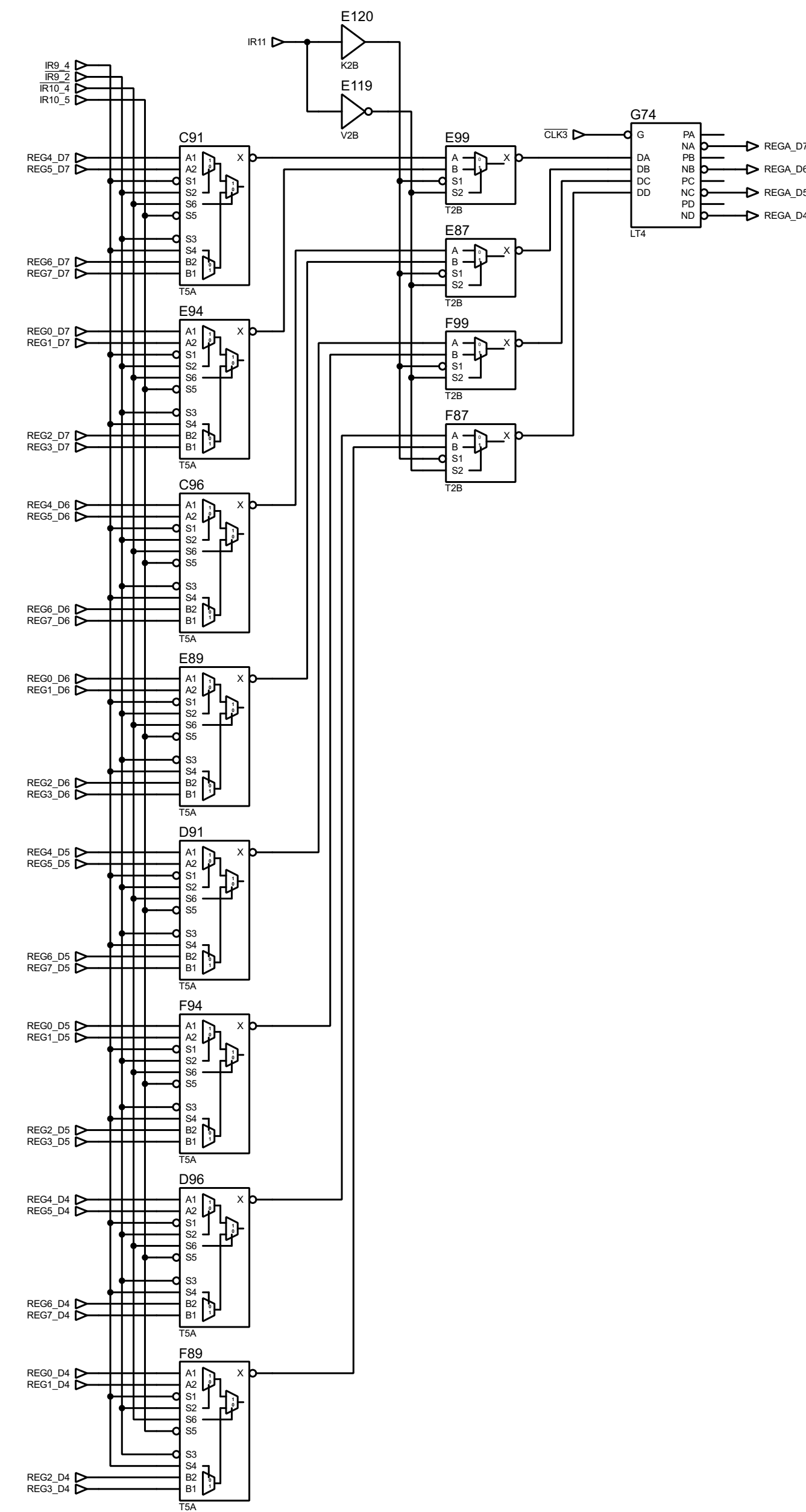
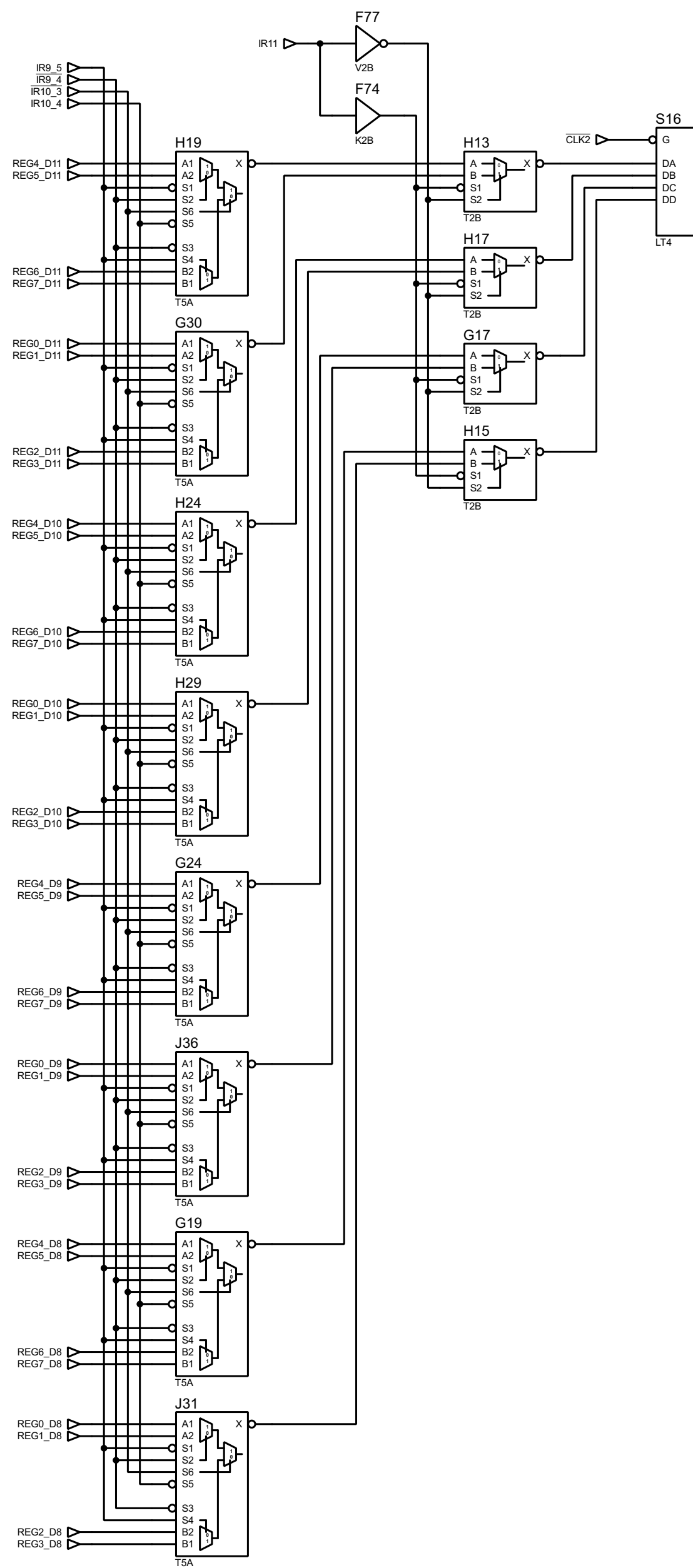
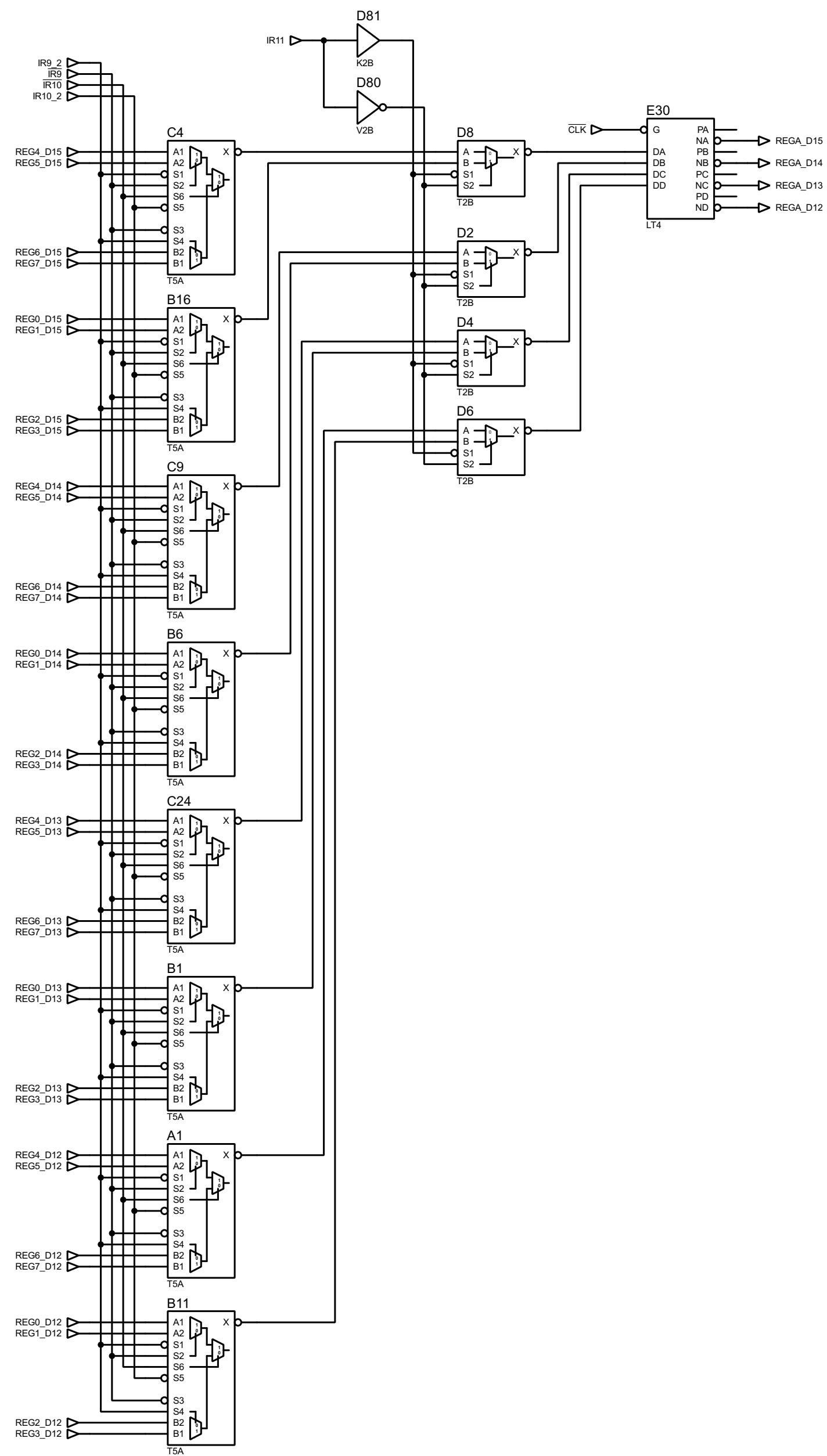
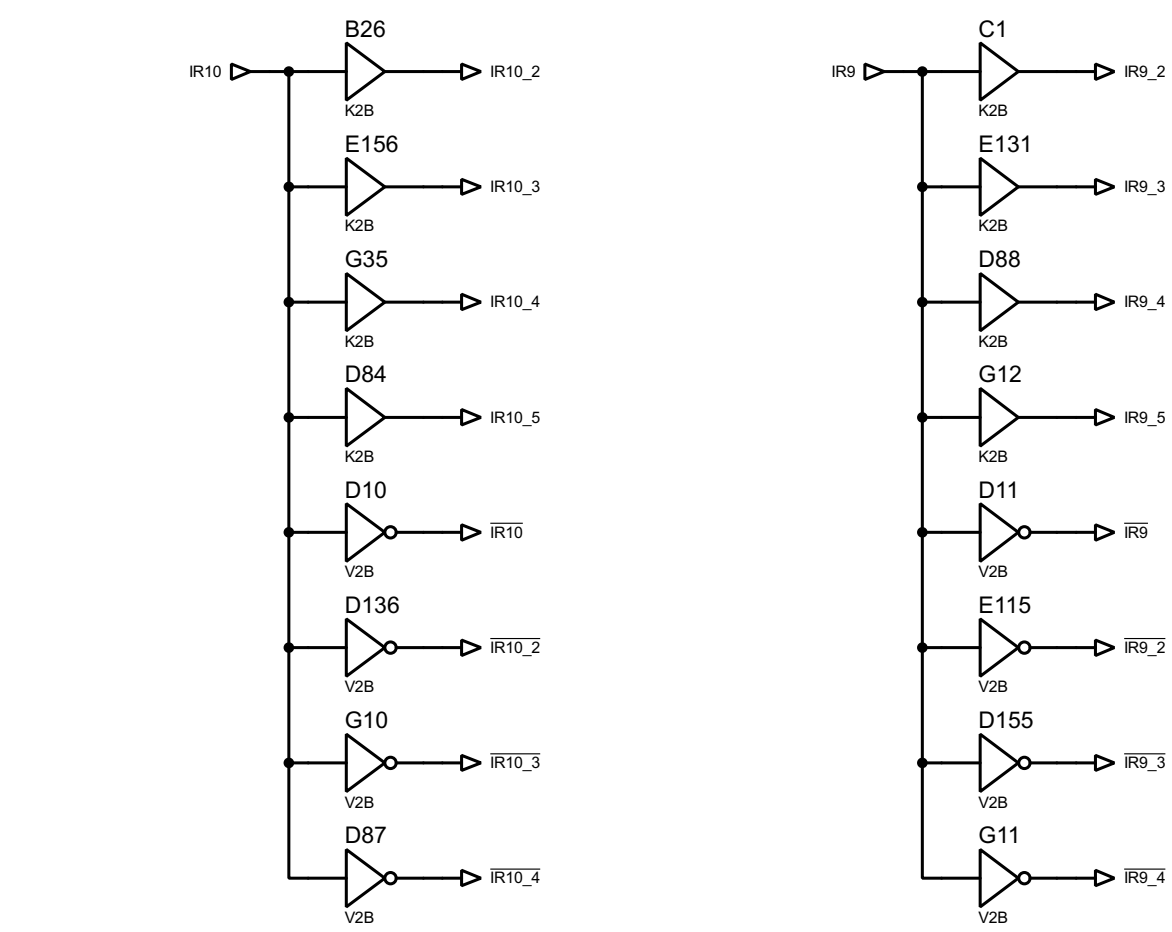




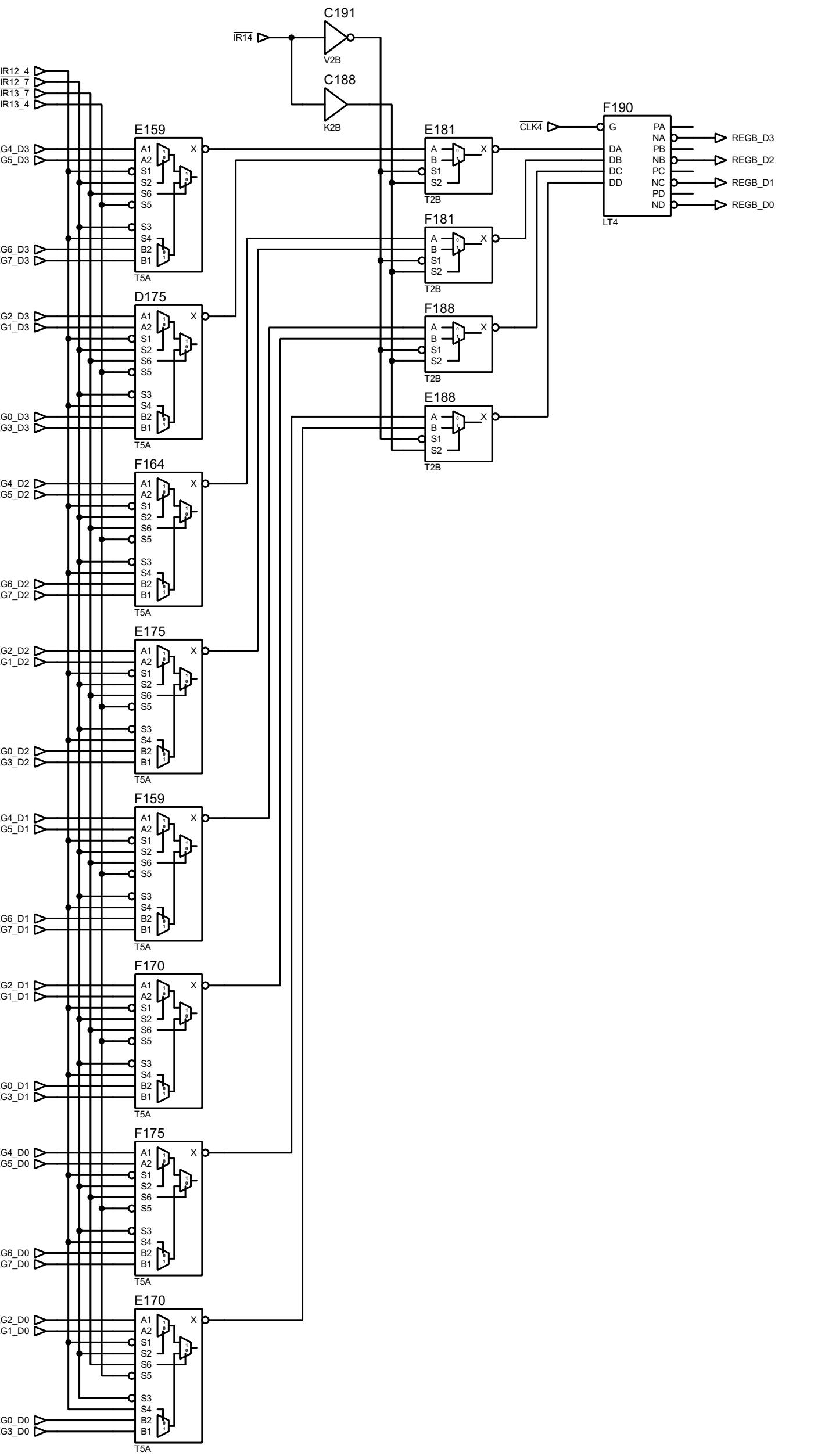
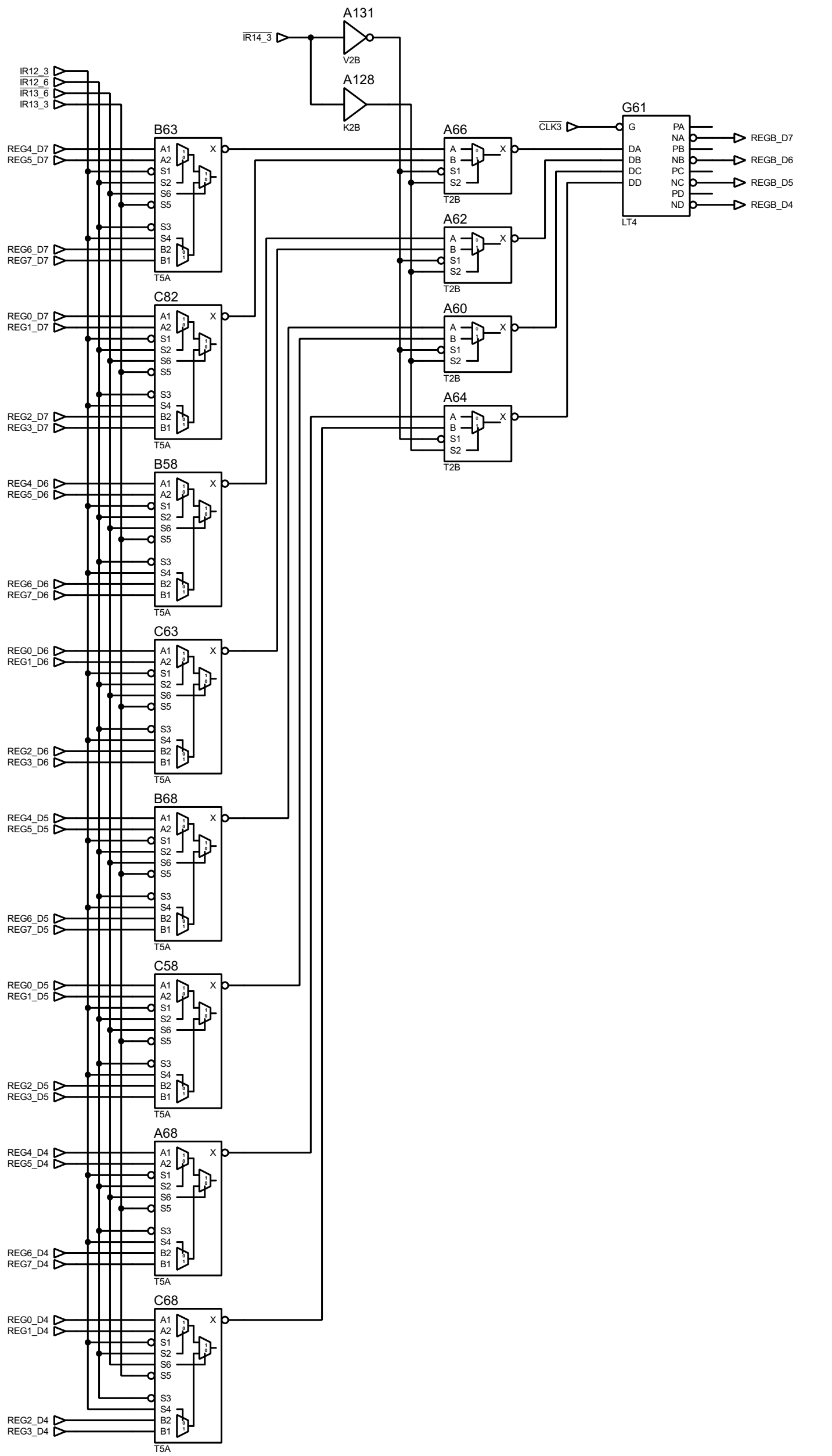
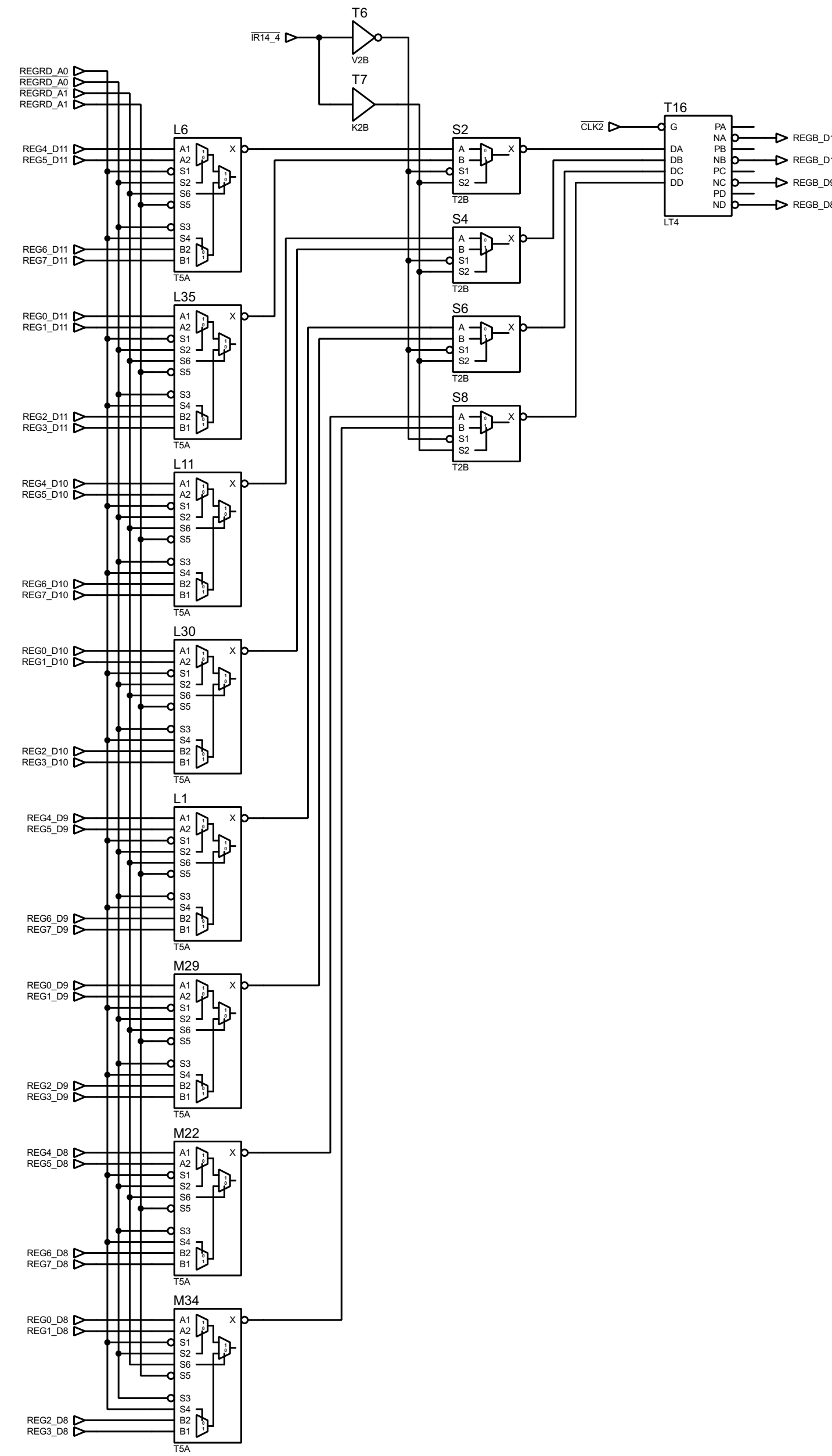
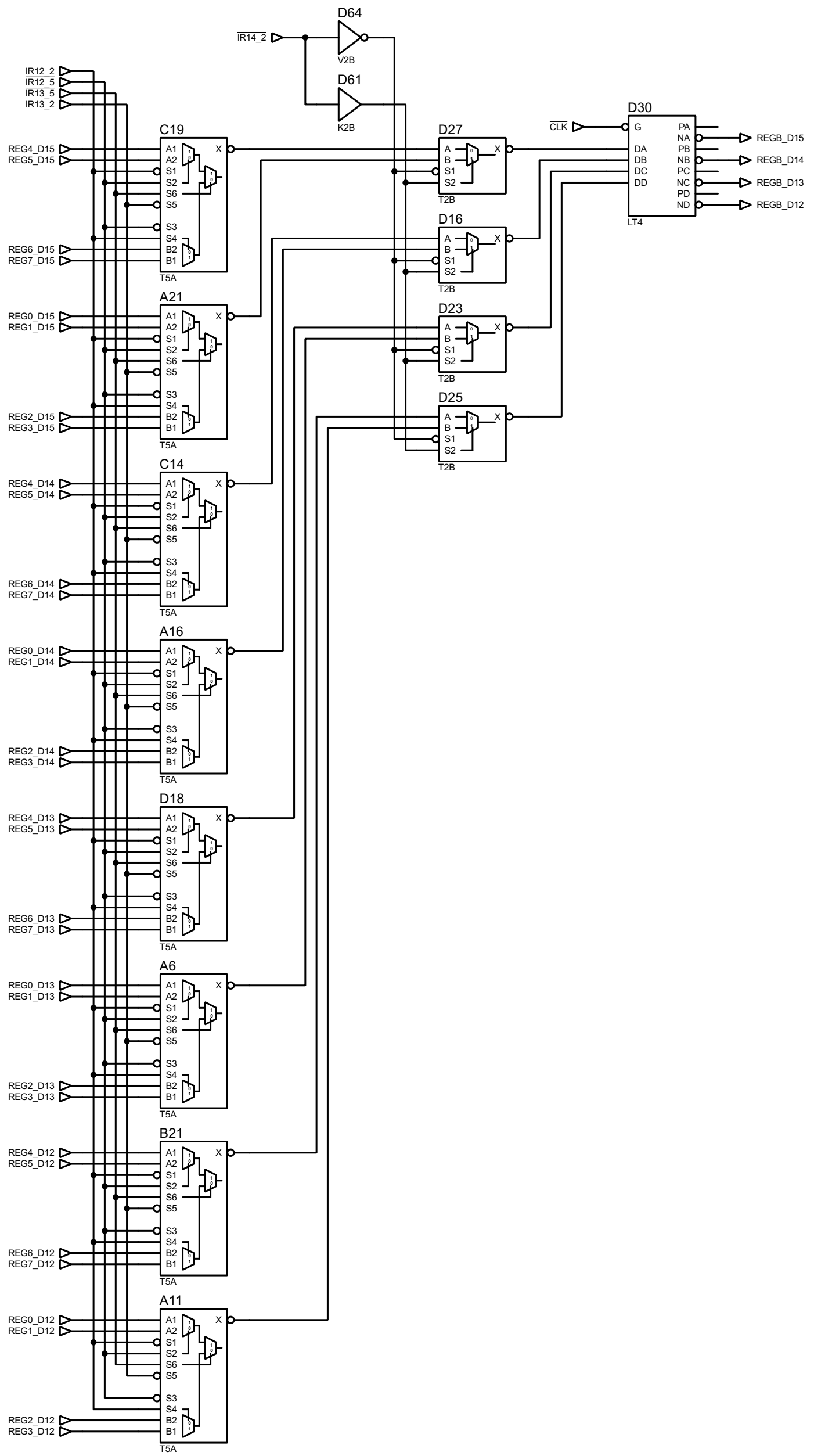


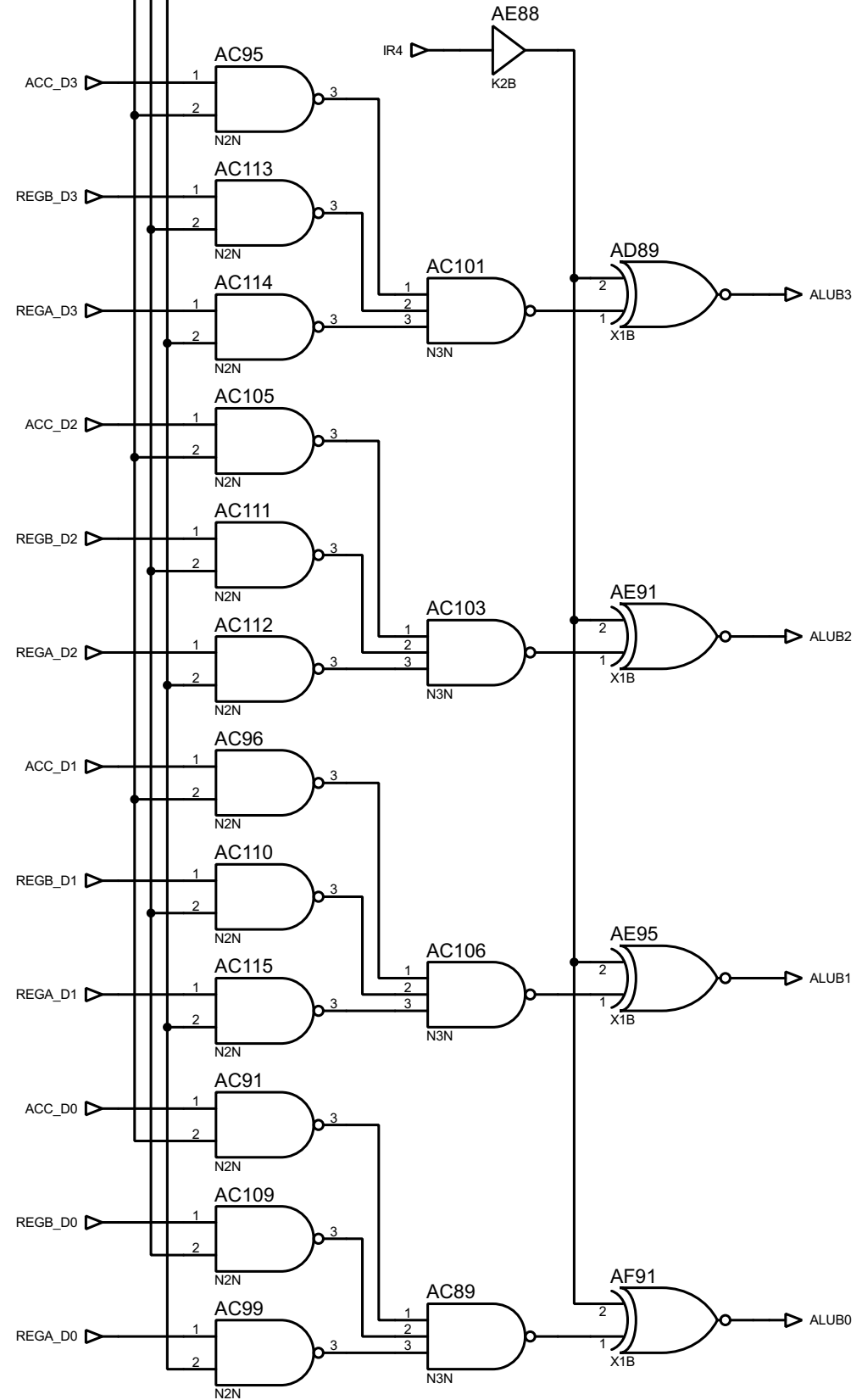
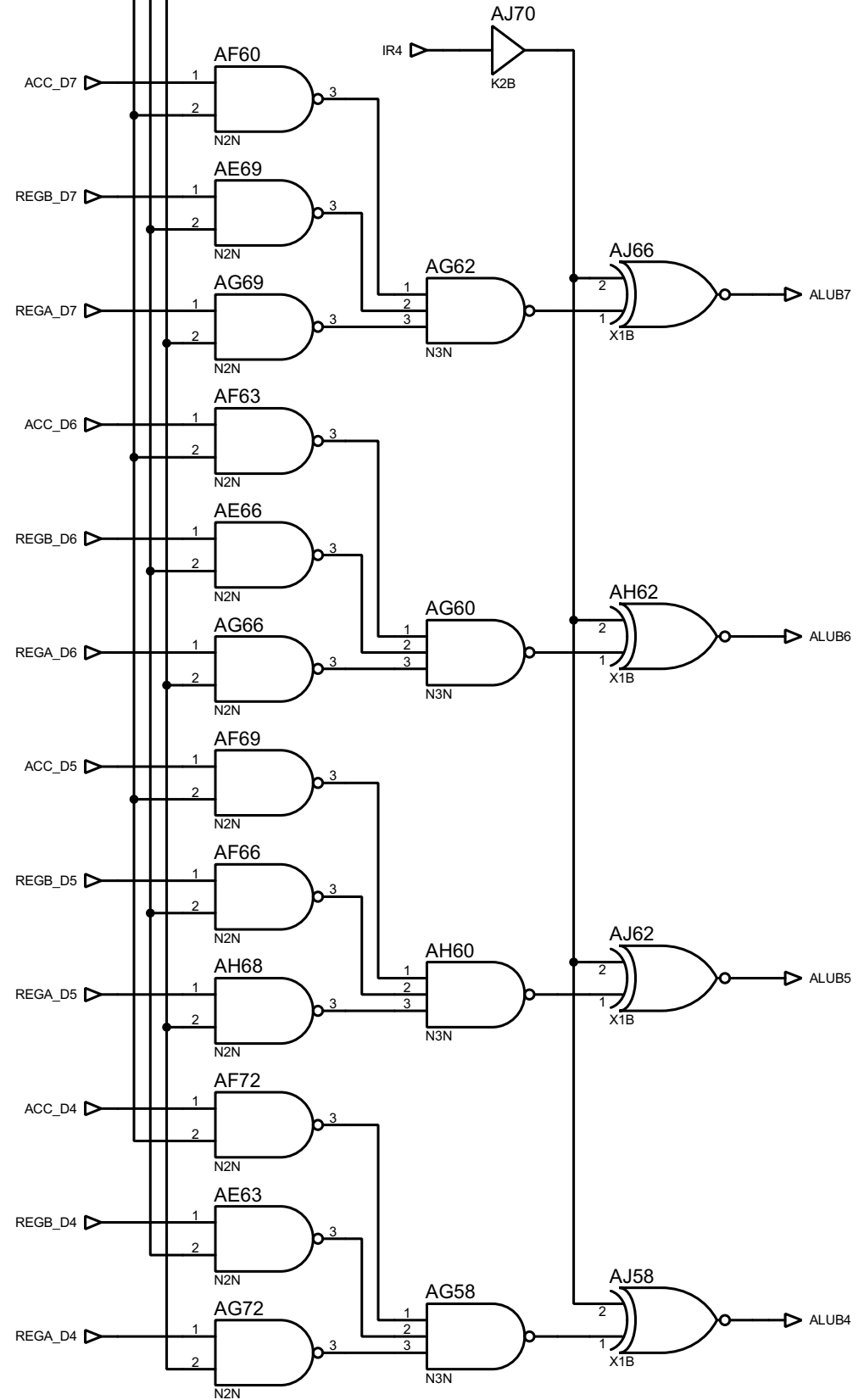
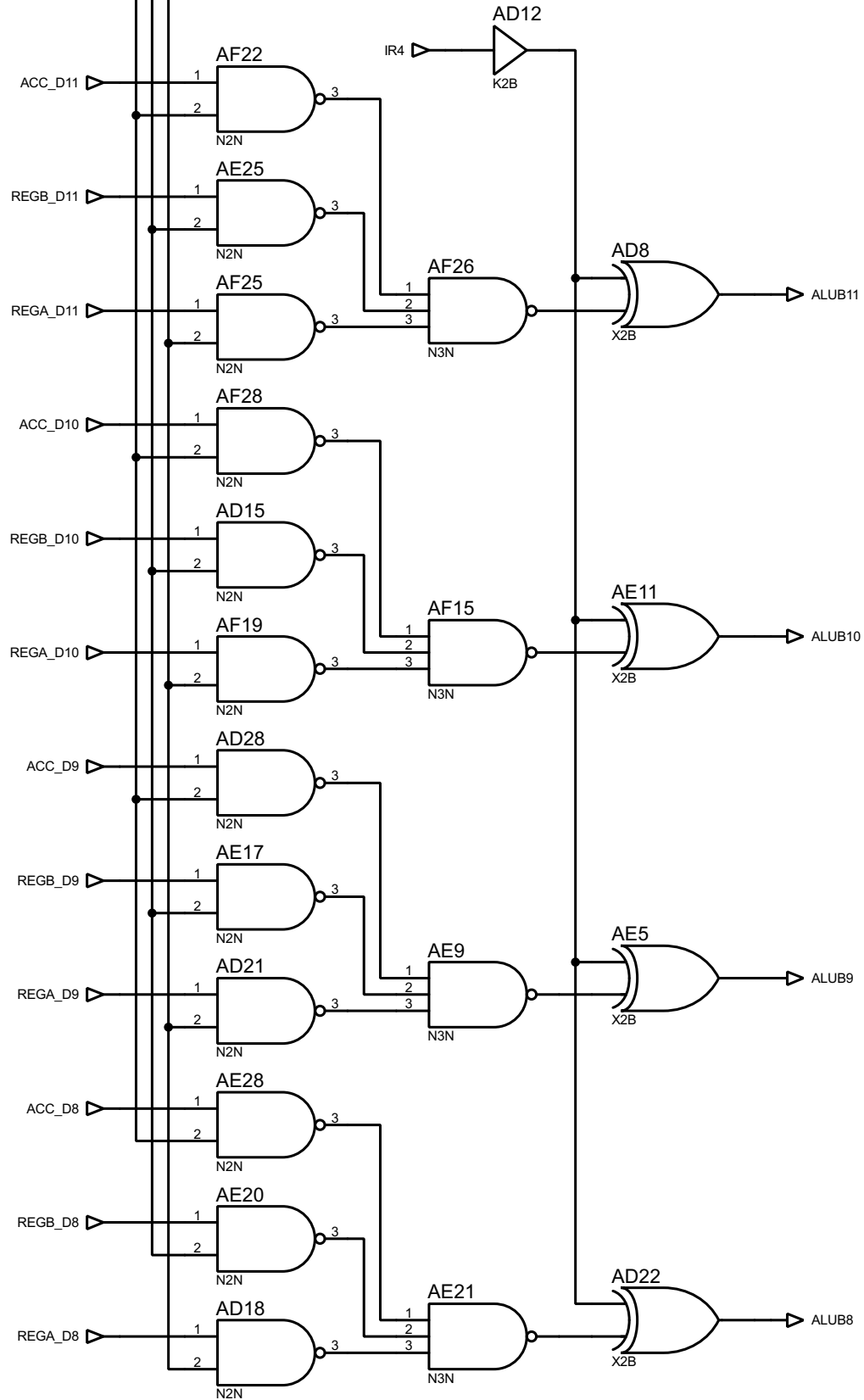
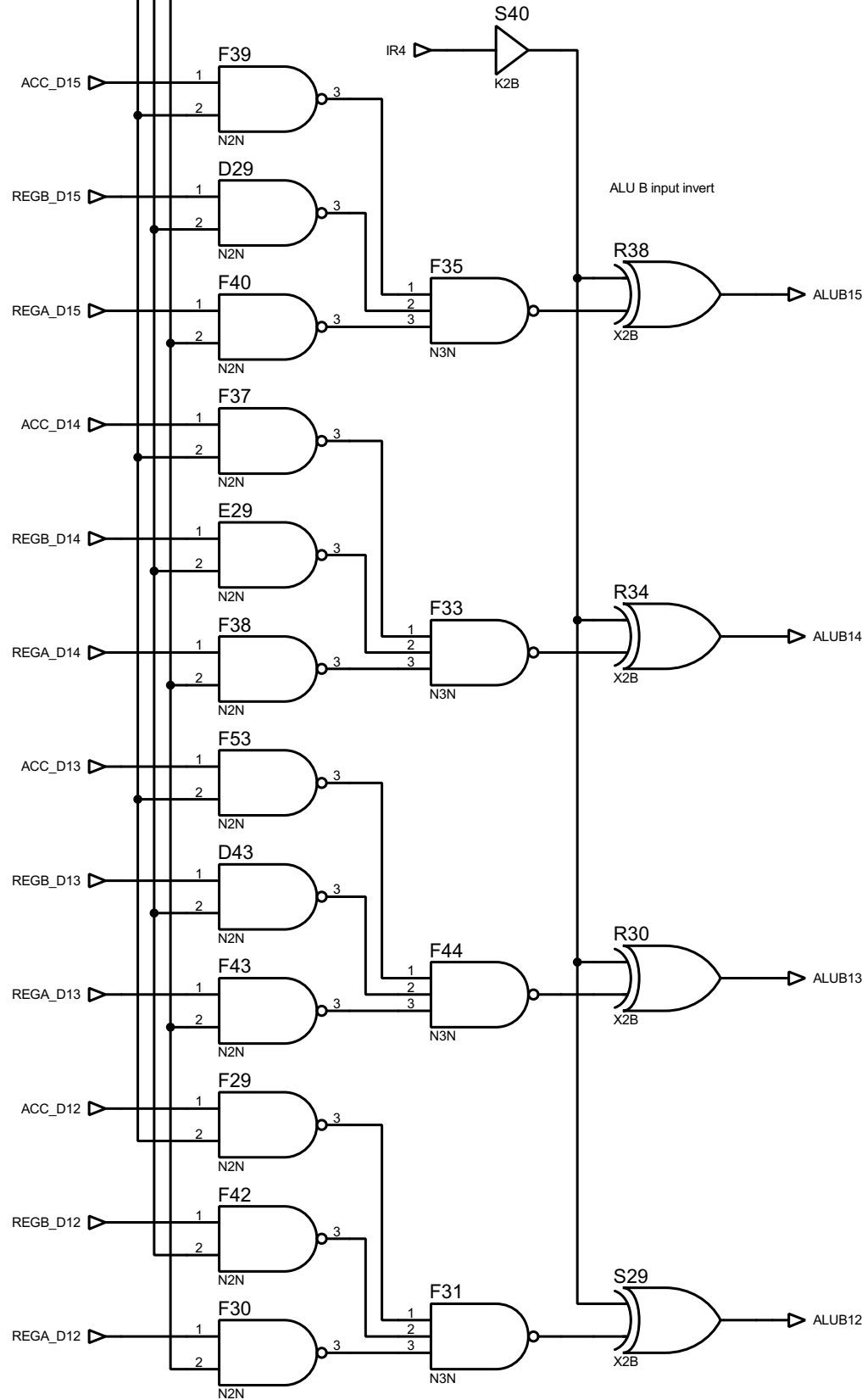
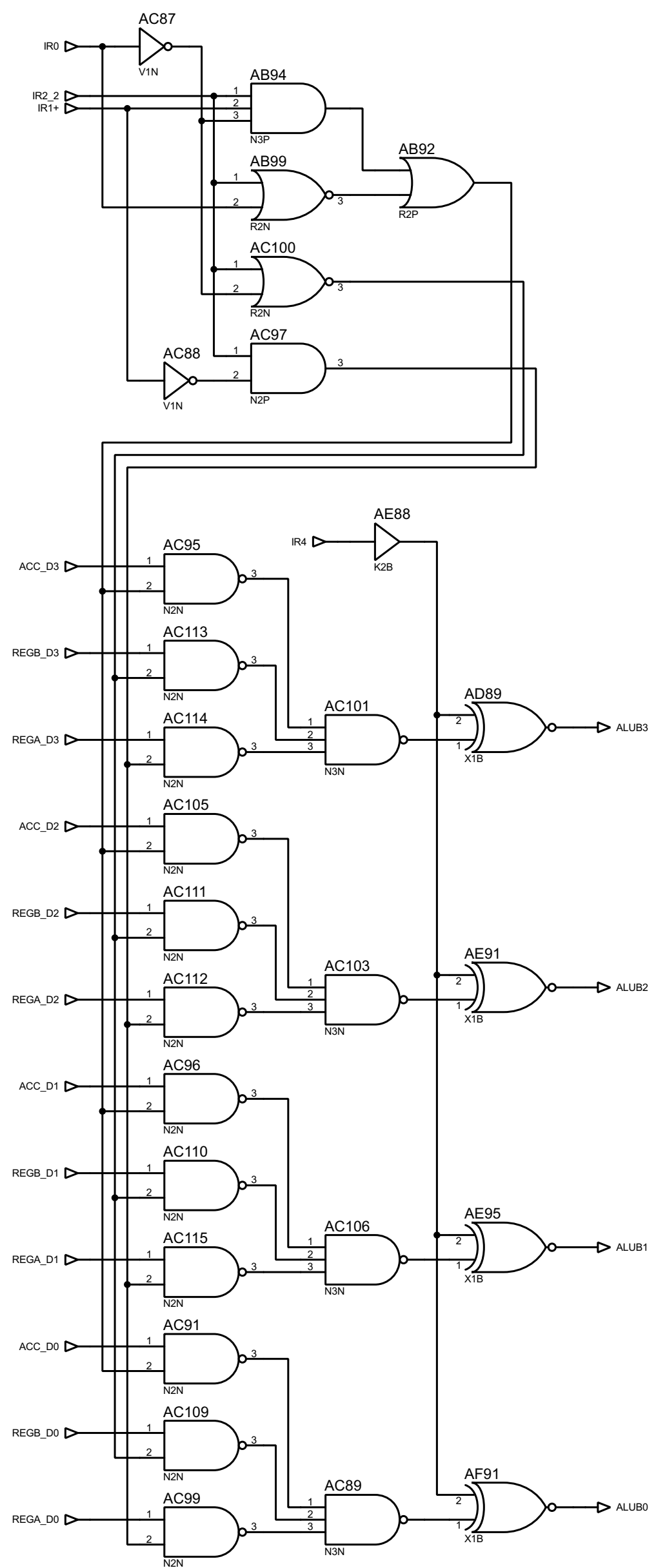
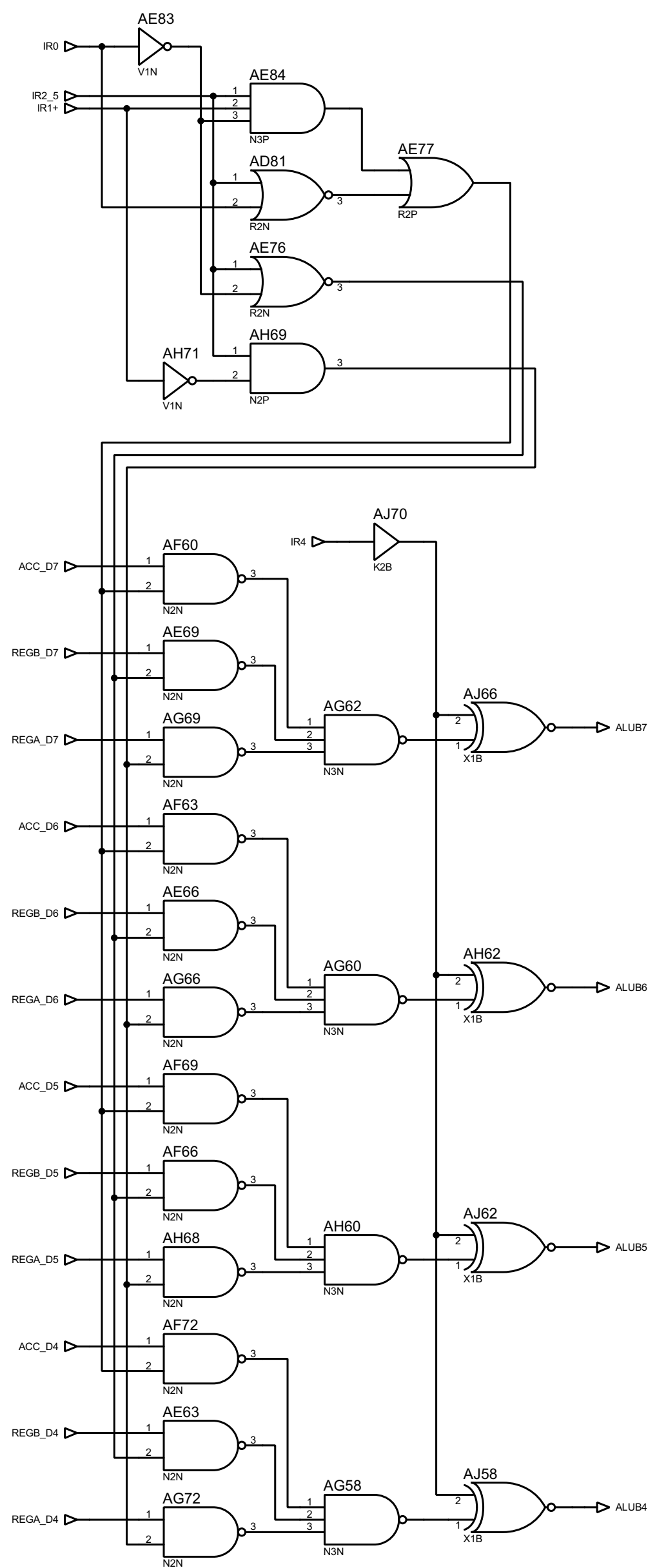
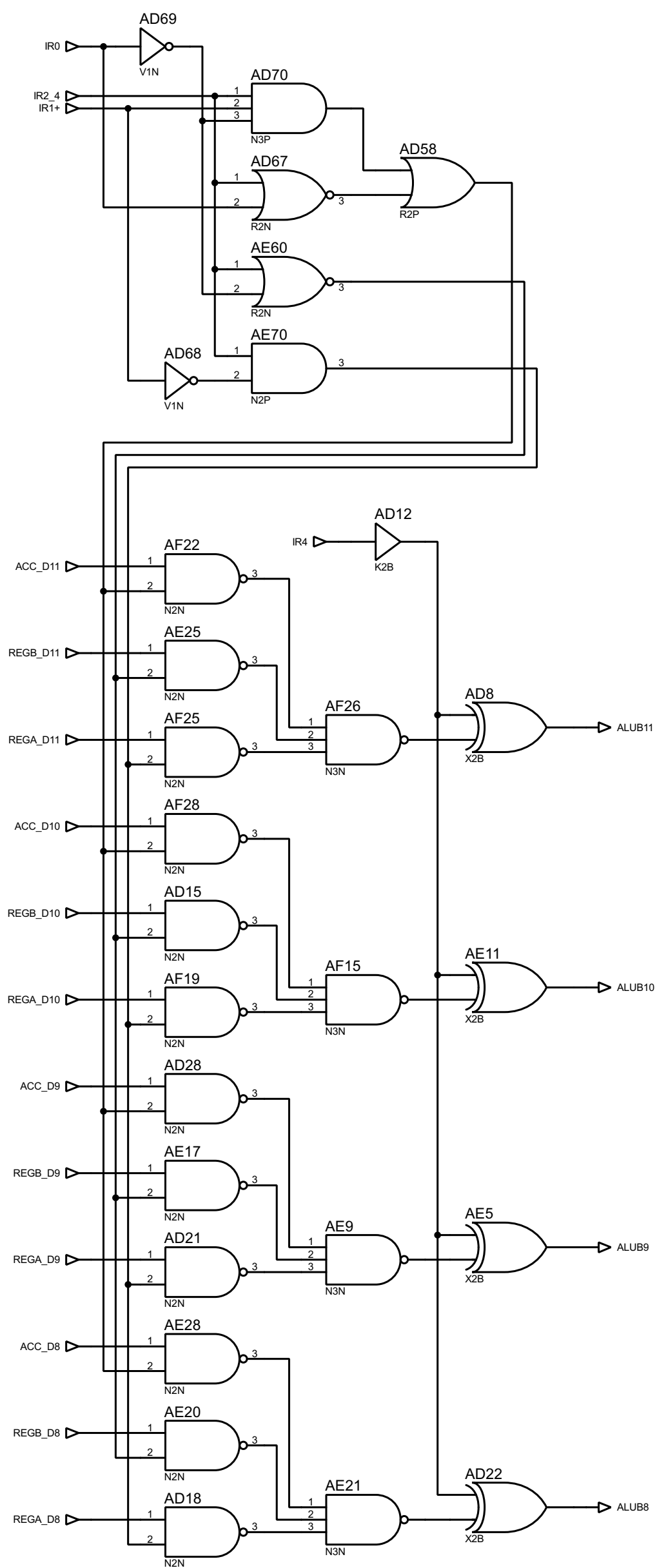
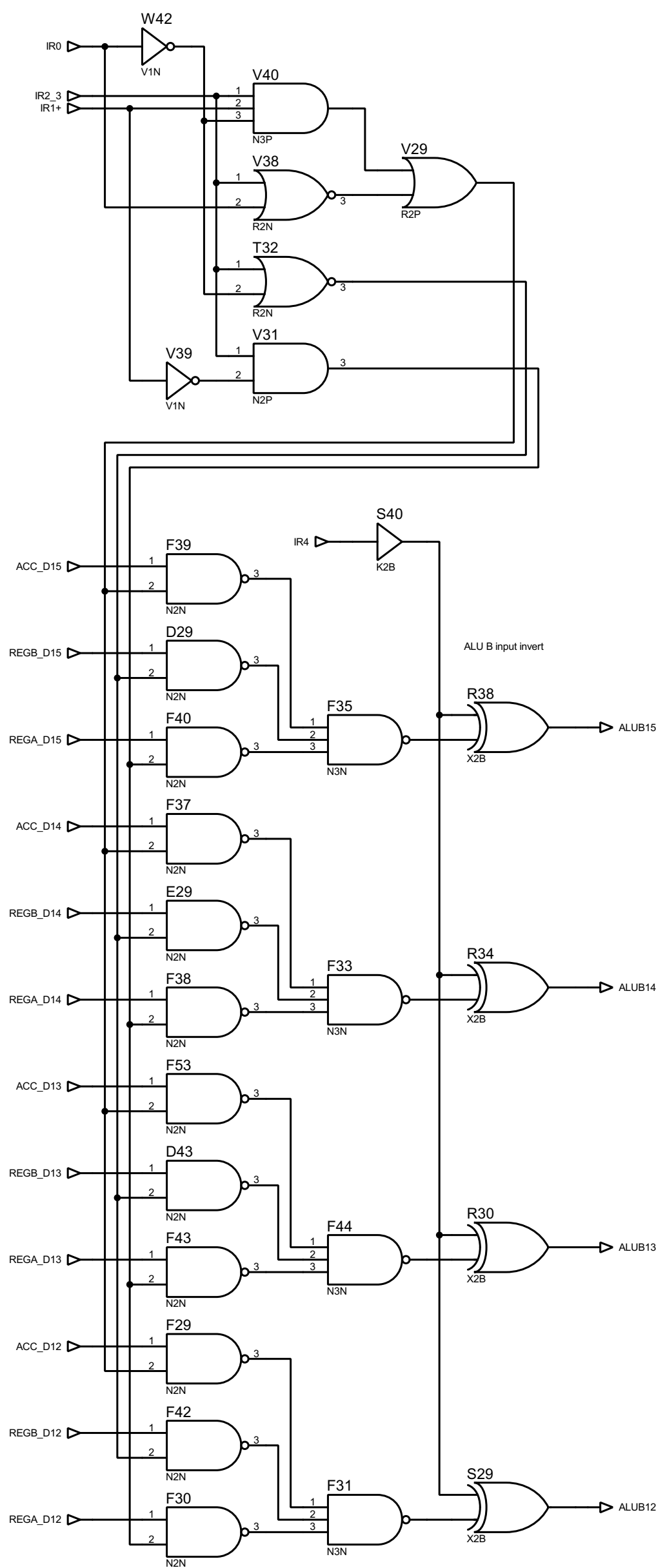
Logic duplication go brrrr  
4x same function

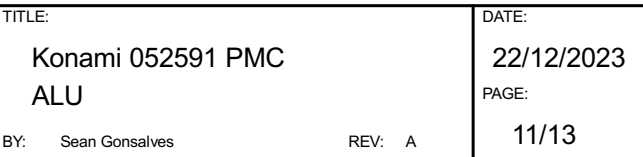
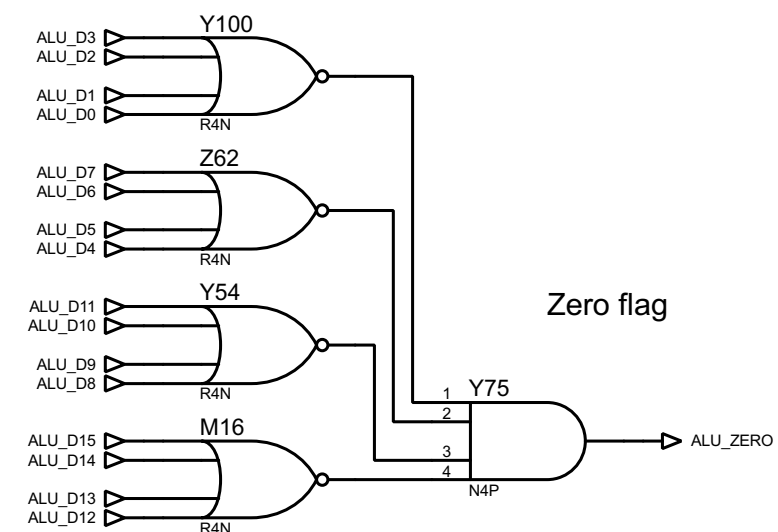




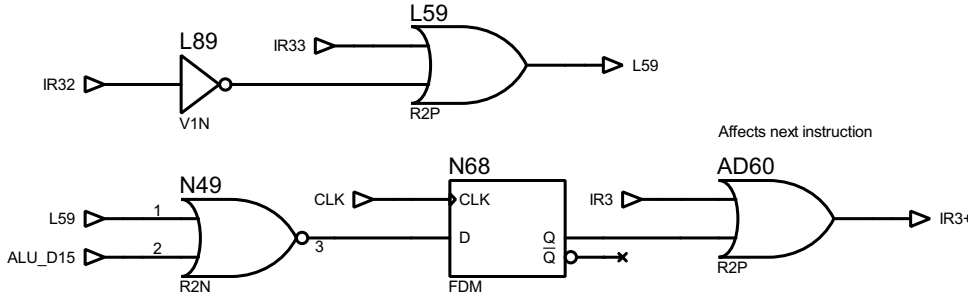








See 74xx283 4-bit adder with fast carry  
datasheet for very similar logic.



Logic duplication go brrrr  
4x same function  
Enable arithmetic operation

