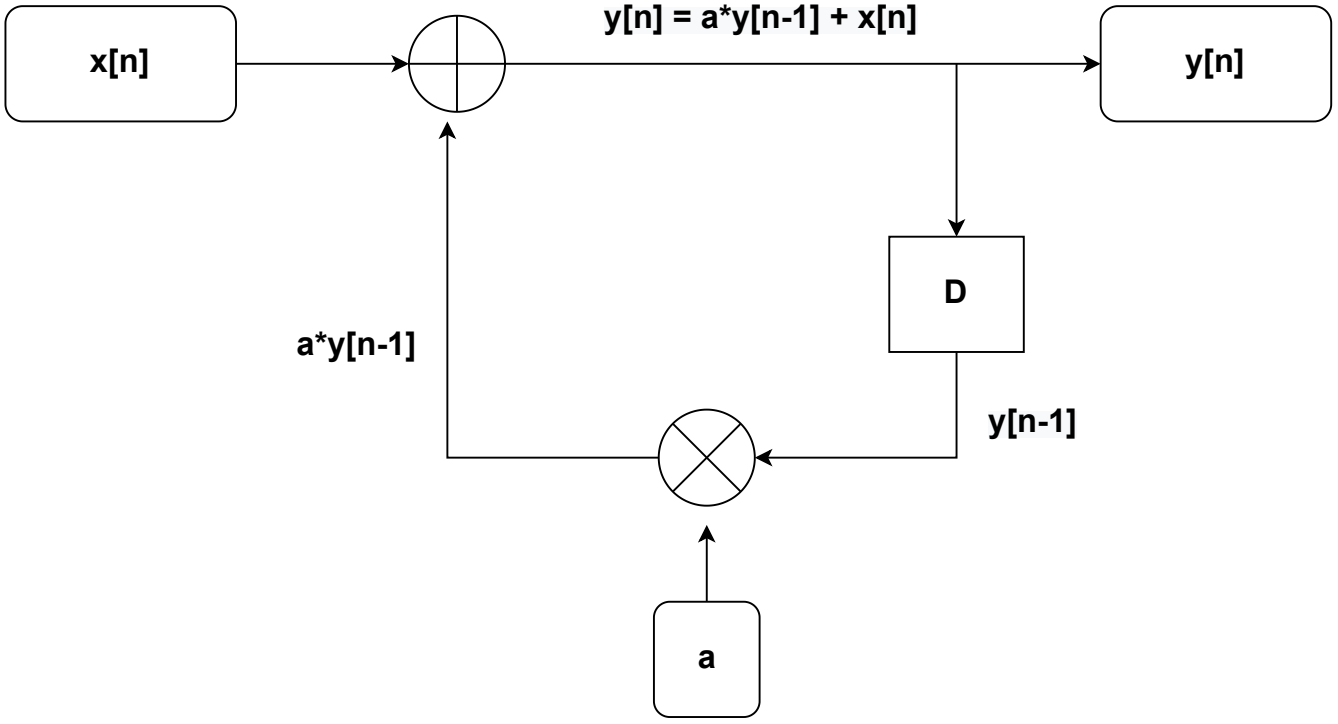
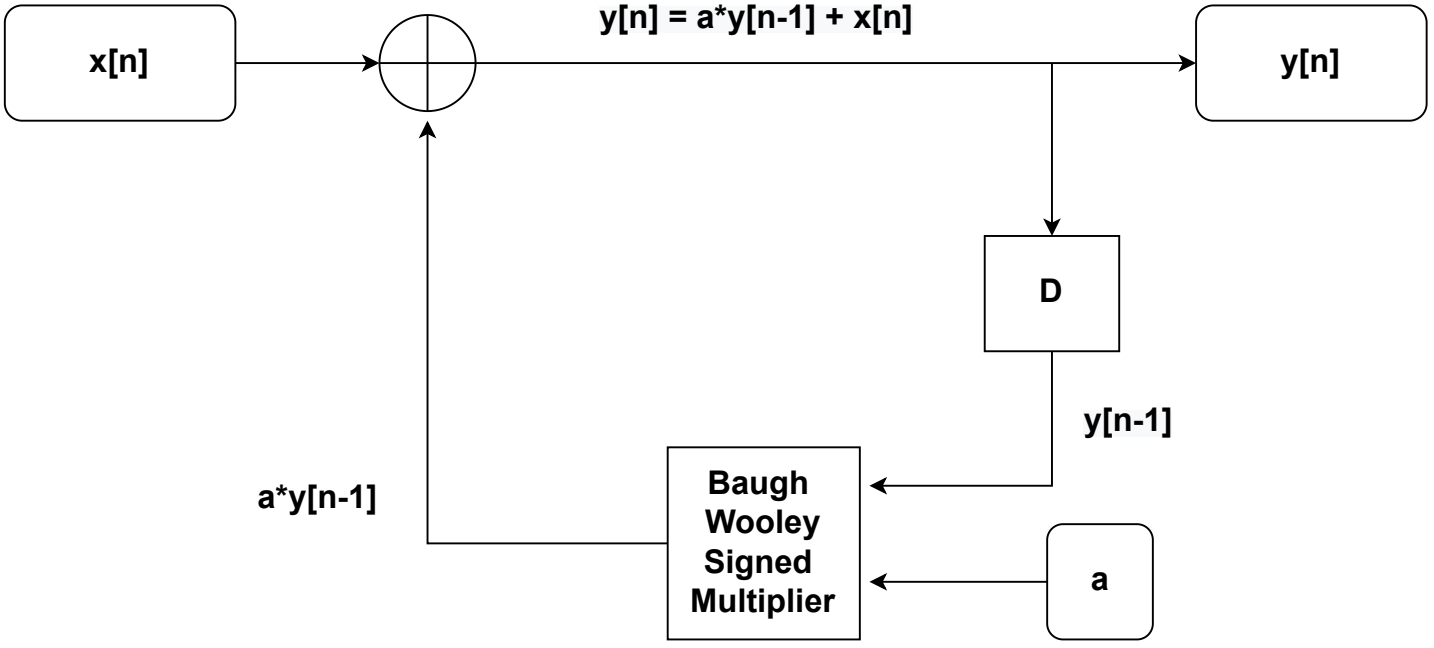
# IIR Filter Example

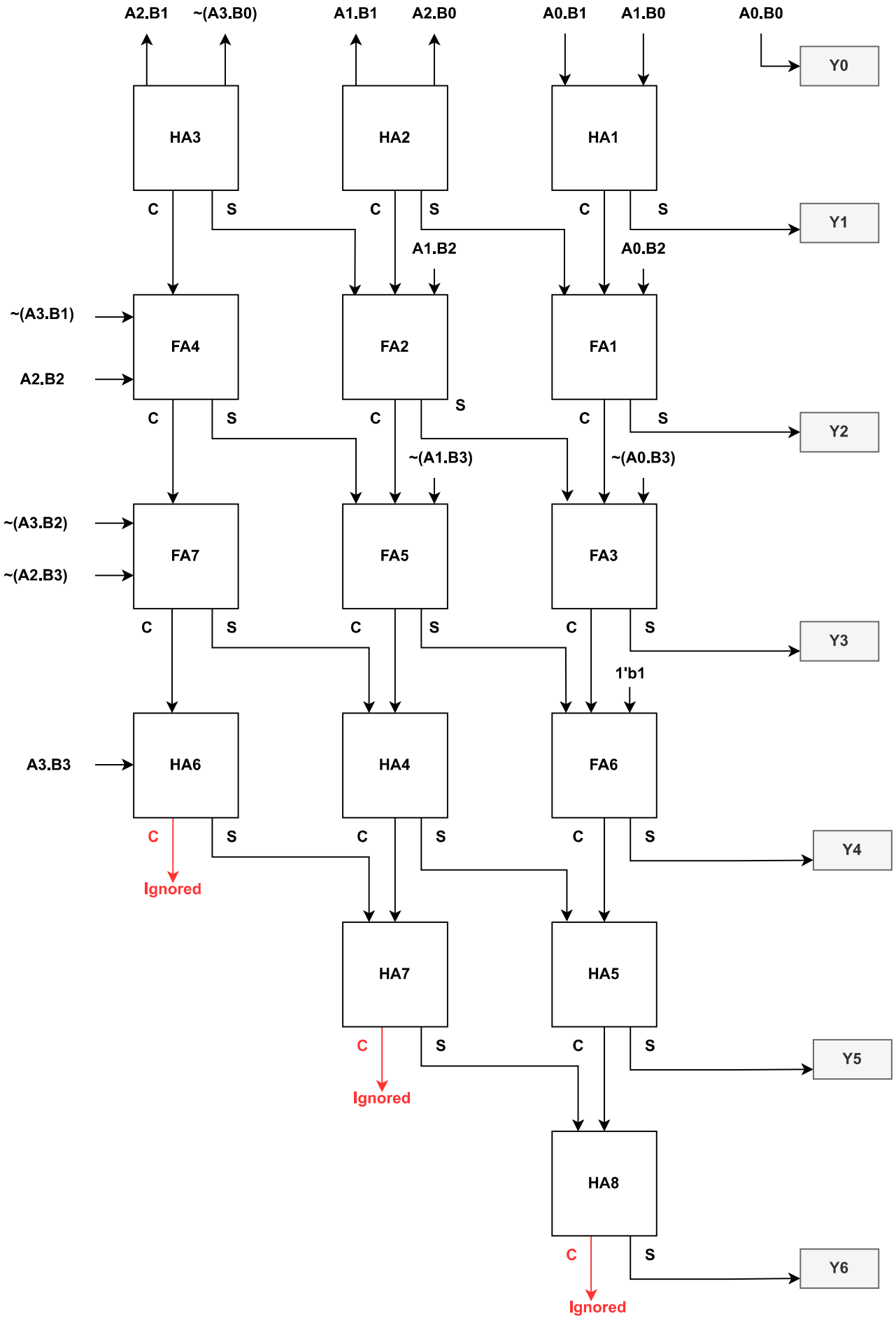



# Using Baugh Wooley Signed Multiplier in IIR Filter

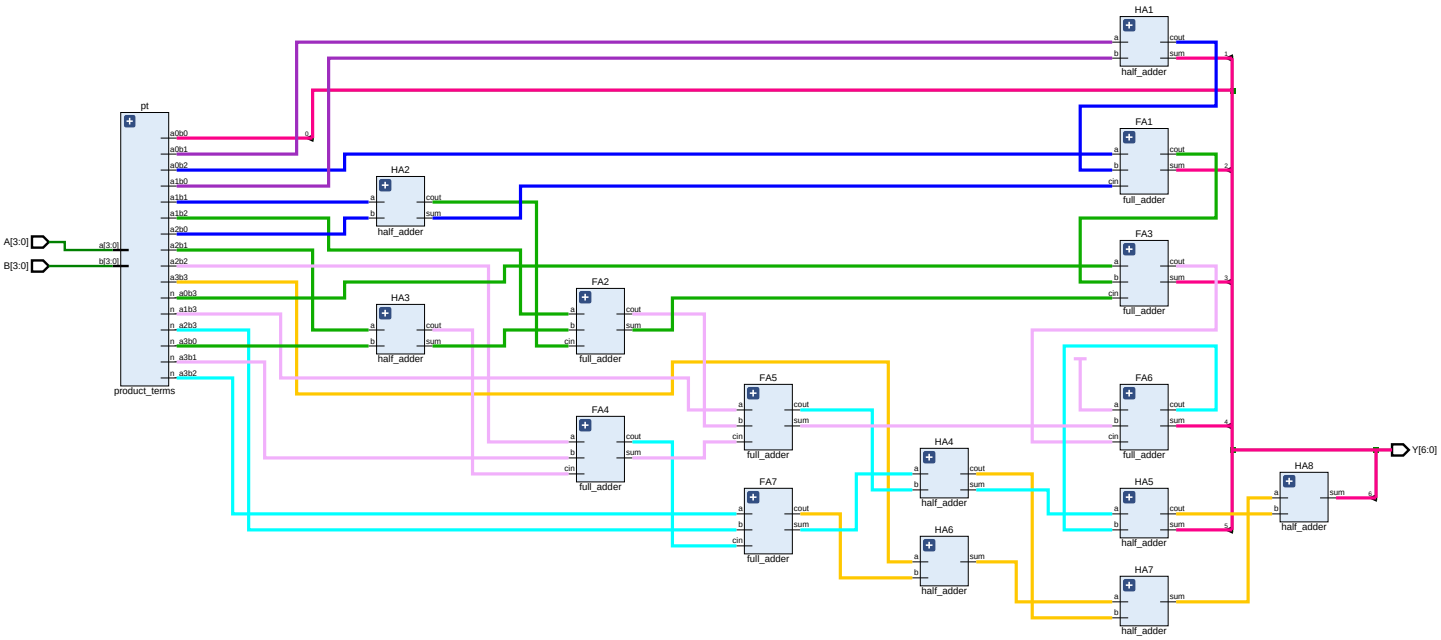


# Baugh Wooley Signed Multiplier Architecture

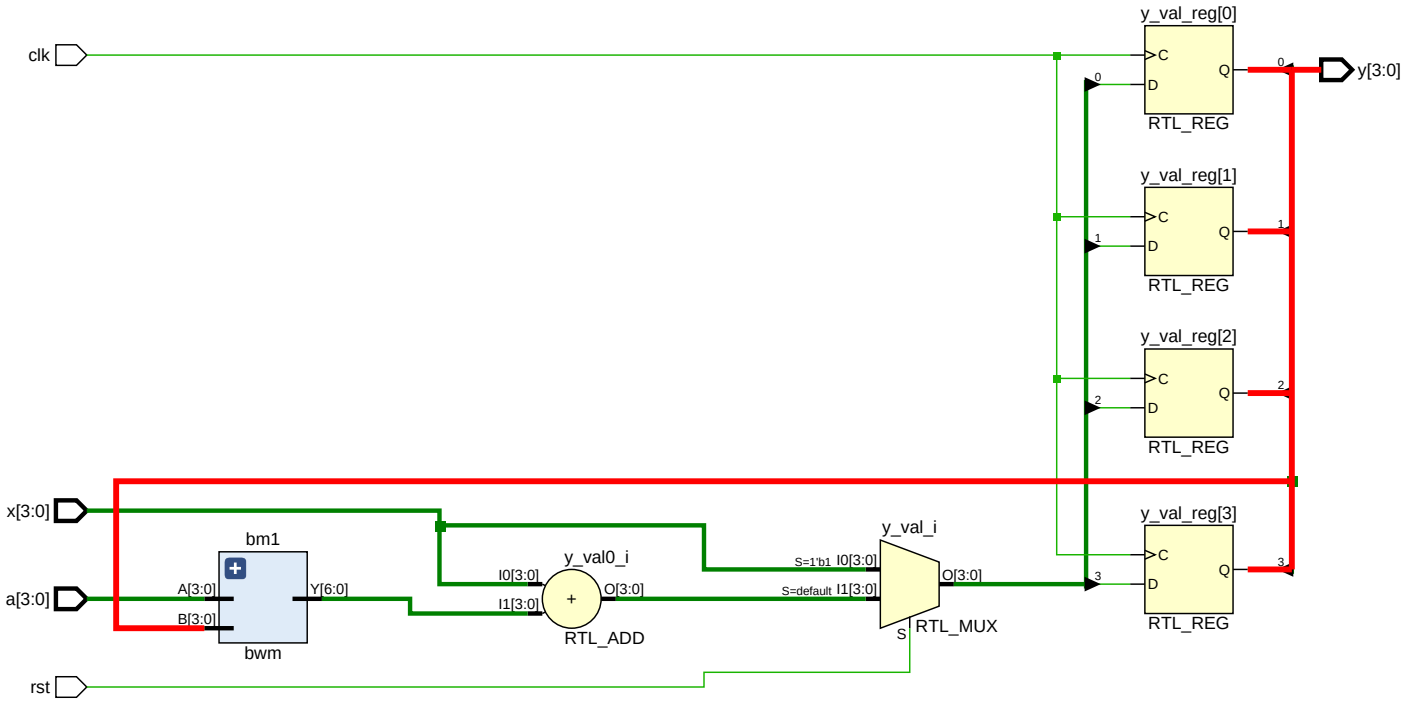
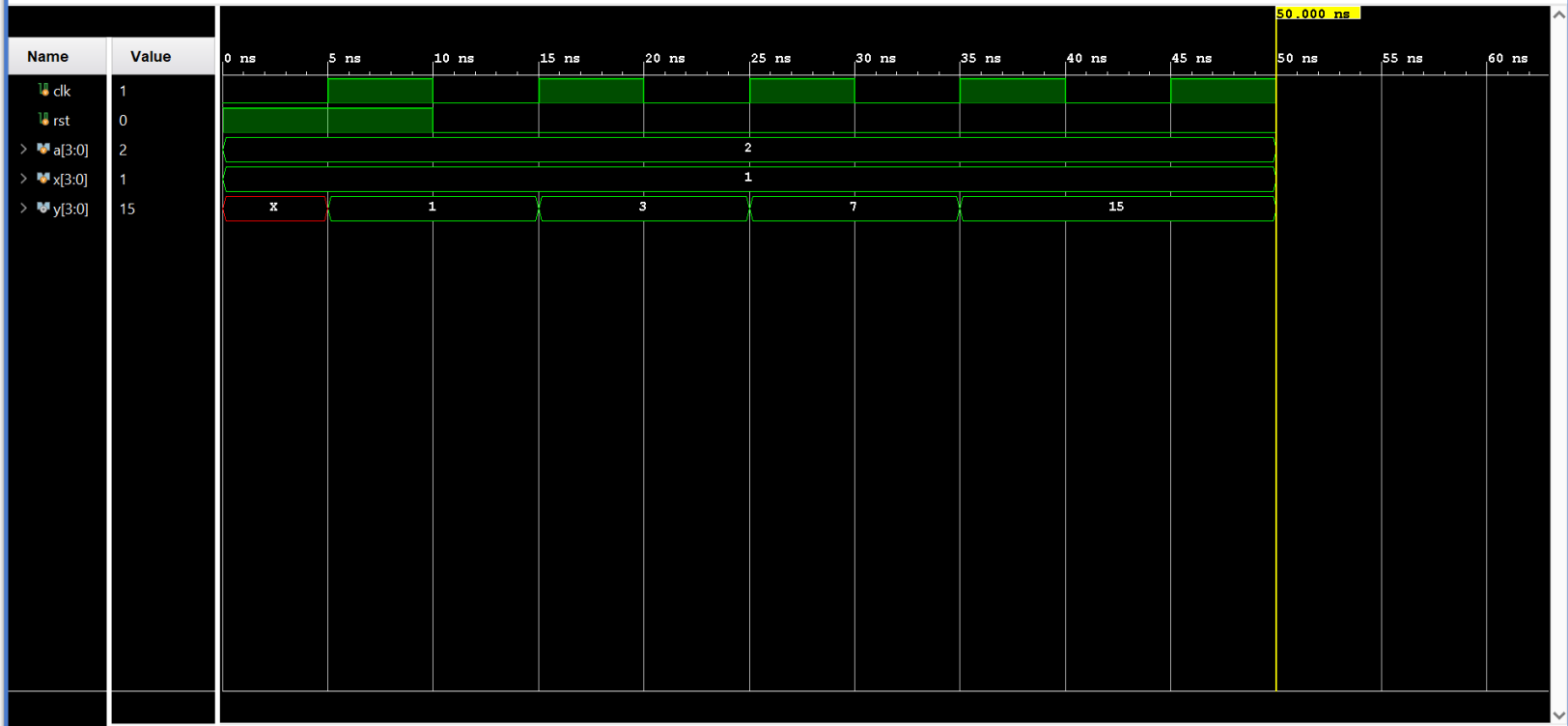
Y -> 7 bit Product



# Baugh Wooley Signed Multiplier Schematic ( in Xylinx Vivado)



# IIR Filter Schematic ( in Xylinx



filter_tb_behav.wcfg