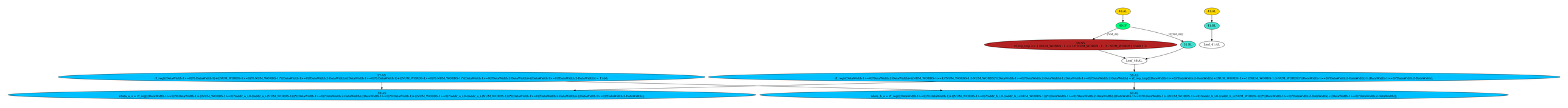

48:AL
49:IF
(!rst_ni)
!((!rst_ni))
50:NS
rf_reg_tmp <= { (NUM_WORDS - 1 >= 1)? NUM_WORDS - 1 : 3 - NUM_WORDS{ 1'sb0 } };
51:BL
Leaf_48:AL
41:AL
41:BL
Leaf_41:AL
57:AS
rf_reg[((DataWidth-1>=0)?0:DataWidth-1)+((NUM_WORDS-1>=0)?0:NUM_WORDS-1)*((DataWidth-1>=0)?DataWidth:2-DataWidth):((DataWidth-1>=0)?0:DataWidth-1)+((NUM_WORDS-1>=0)?0:NUM_WORDS-1)*((DataWidth-1>=0)?DataWidth:2-DataWidth)+((DataWidth-1>=0)?DataWidth:2-DataWidth)] = 1'sb0;
58:AS
rf_reg[((DataWidth-1>=0)?DataWidth:2-DataWidth)+((NUM_WORDS-1>=1)?NUM_WORDS-1:3-NUM_WORDS)*((DataWidth-1>=0)?DataWidth:2-DataWidth)-1:(DataWidth-1>=0)?DataWidth:2-DataWidth] = rf_reg_tmp[((DataWidth-1>=0)?DataWidth:2-DataWidth)+((NUM_WORDS-1>=1)?NUM_WORDS-1:3-NUM_WORDS)*((DataWidth-1>=0)?DataWidth:2-DataWidth)-1:(DataWidth-1>=0)?DataWidth:2-DataWidth];
59:AS
rdata_a_o = rf_reg[((DataWidth-1>=0)?0:DataWidth-1)+((NUM_WORDS-1>=0)?raddr_a_i:0-(raddr_a_i-(NUM_WORDS-1)))*((DataWidth-1>=0)?DataWidth:2-DataWidth):((DataWidth-1>=0)?0:DataWidth-1)+((NUM_WORDS-1>=0)?raddr_a_i:0-(raddr_a_i-(NUM_WORDS-1)))*((DataWidth-1>=0)?DataWidth:2-DataWidth)+((DataWidth-1>=0)?DataWidth:2-DataWidth)];
60:AS
rdata_b_o = rf_reg[((DataWidth-1>=0)?0:DataWidth-1)+((NUM_WORDS-1>=0)?raddr_b_i:0-(raddr_b_i-(NUM_WORDS-1)))*((DataWidth-1>=0)?DataWidth:2-DataWidth):((DataWidth-1>=0)?0:DataWidth-1)+((NUM_WORDS-1>=0)?raddr_b_i:0-(raddr_b_i-(NUM_WORDS-1)))*((DataWidth-1>=0)?DataWidth:2-DataWidth)+((DataWidth-1>=0)?DataWidth:2-DataWidth)];