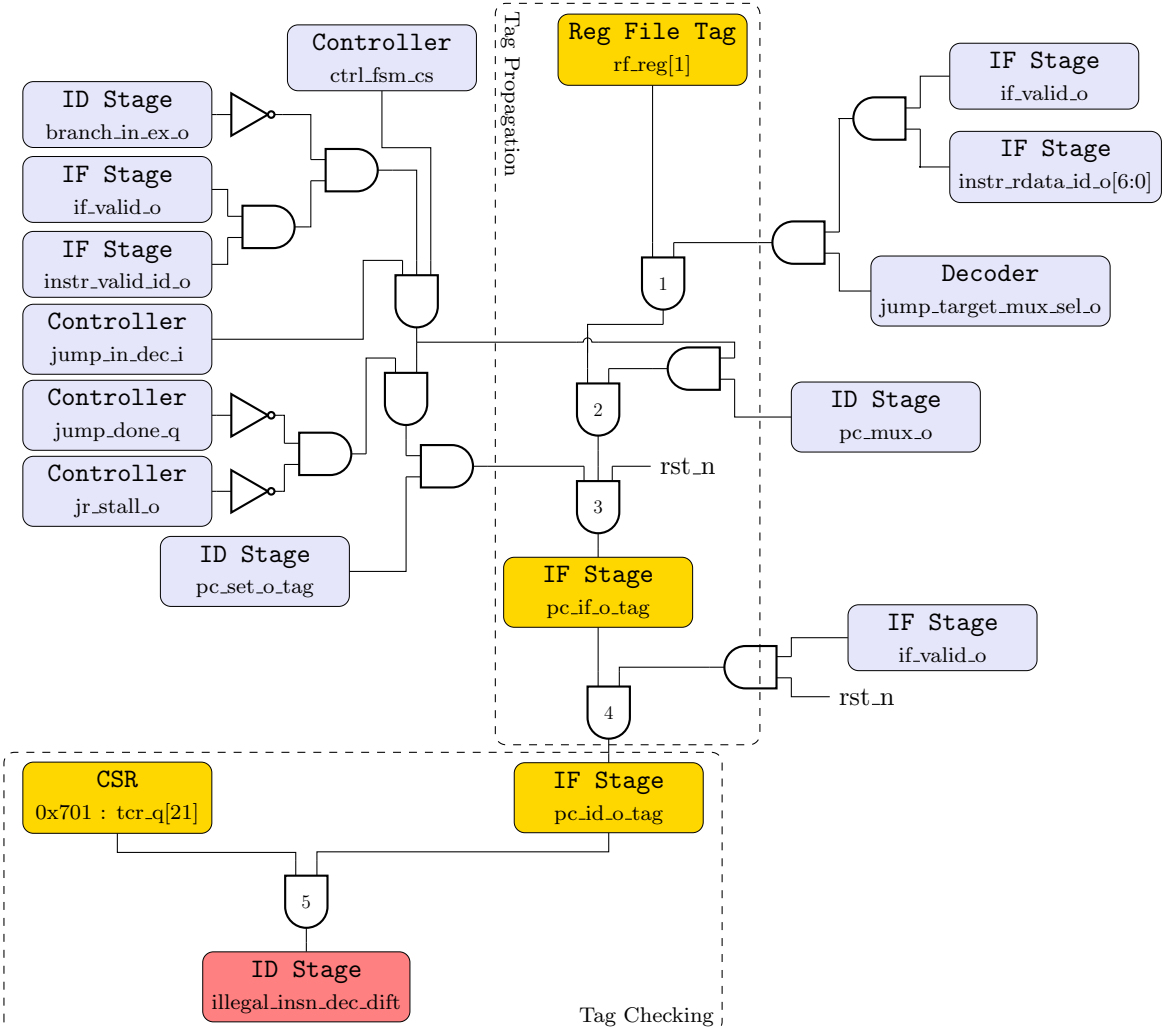
Tag Propagation
Controller
ctrl_fsm_cs
Reg File Tag
rf_reg[1]
ID Stage
branch_in_ex_o
IF Stage
if_valid_o
IF Stage
instr_rdata_id_o[6:0]
IF Stage
if_valid_o
IF Stage
instr_valid_id_o
Decoder
jump_target_mux_sel_o
1
Controller
jump_in_dec_i
2
ID Stage
pc_mux_o
Controller
jump_done_q
Controller
jr_stall_o
rst_n
3
ID Stage
pc_set_o_tag
IF Stage
pc_if_o_tag
IF Stage
if_valid_o
rst_n
4
CSR
0x701 : tcr_q[21]
IF Stage
pc_id_o_tag
5
ID Stage
illegal_insn_dec_dift
Tag Checking