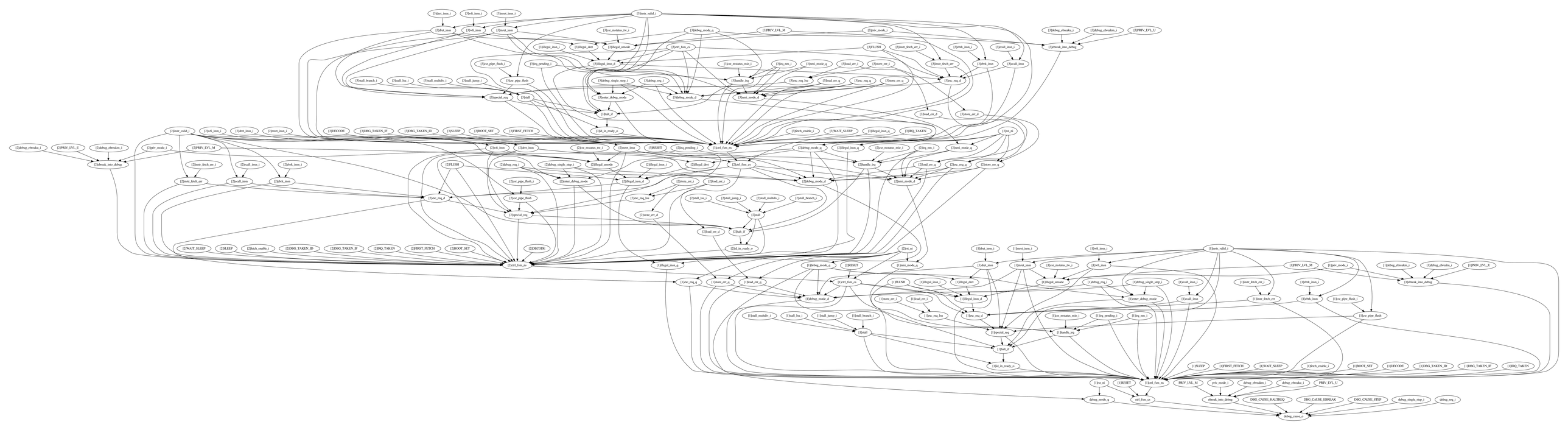
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[1]mret_insn_i
[1]instr_valid_i
[1]debug_mode_q
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[1]priv_mode_i
[1]debug_ebreaks_i
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[1]wfi_insn
[1]mret_insn
[1]csr_mstatus_tw_i
[1]illegal_insn_i
[1]illegal_dret
[1]illegal_umode
[1]ctrl_fsm_cs
[1]FLUSH
[1]instr_fetch_err_i
[1]ebrk_insn_i
[1]ecall_insn_i
[1]break_into_debug
[1]illegal_insn_d
[1]csr_pipe_flush_i
[1]irq_pending_i
[1]csr_mstatus_mie_i
[1]irq_nm_i
[1]mini_mode_q
[1]load_err_i
[1]store_err_i
[1]instr_fetch_err
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[1]ecall_insn
[1]handle_irq
[1]csr_req_bm
[1]load_err_q
[1]csr_req_q
[1]store_err_q
[1]csr_req_d
[1]mini_mode_d
[1]load_err_d
[1]store_err_d
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[1]nall_bm_i
[1]nall_multdiv_i
[1]nall_jump_i
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[1]debug_single_step_i
[1]debug_req_i
[1]debug_mode_d
[1]special_req
[1]nall
[1]enter_debug_mode
[1]halt_if
[1]id_in_ready_o
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[1]DBG_TAKEN_ID
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[2]mret_insn_i
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[2]PRIV_LVL_U
[2]debug_ebreaks_i
[2]priv_mode_i
[2]PRIV_LVL_M
[2]break_into_debug
[2]instr_fetch_err_i
[2]ecall_insn_i
[2]ebrk_insn_i
[2]instr_fetch_err
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[2]ebrk_insn
[2]FLUSH
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[1]PRIV_LVL_U
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PRIV_LVL_M
priv_mode_i
debug_ebreaks_i
debug_ebreaks_i
PRIV_LVL_U
debug_mode_q
ctrl_fsm_cs
break_into_debug
DBG_CAUSE_HALTREQ
DBG_CAUSE_EBREAK
DBG_CAUSE_STEP
debug_single_step_i
debug_req_i
debug_cause_o