[1]reset_insn_i
[1]instr_valid_i
[1]dret_insn_i
[1]wfi_insn_i
[1]debug_mode_q
[1]reset_insn
[1]dret_insn
[1]wfi_insn
[1]csr_mstatus_tw_i
[1]PRIV_LVL_M
[1]priv_mode_i
[1]debug_ebreaks_i
[1]PRIV_LVL_U
[1]debug_ebreakm_i
[1]ctrl_fsm_cs
[1]illegal_dret
[1]illegal_insn_i
[1]FLUSH
[1]illegal_umode
[1]break_into_debug
[1]call_insn_i
[1]ebrk_insn_i
[1]instr_fetch_err_i
[1]call_insn
[1]ebrk_insn
[1]instr_fetch_err
[1]illegal_insn_d
[1]csr_pipe_flush_i
[1]store_err_i
[1]load_err_i
[1]debug_single_step_i
[1]debug_req_i
[1]mu_mode_q
[1]irq_pending_i
[1]csr_mstatus_mie_i
[1]irq_nm_i
[1]mult_muldiv_i
[1]mult_branch_i
[1]mult_lsu_i
[1]mult_jump_i
[1]exc_req_lsu
[1]exc_req_d
[1]csr_pipe_flush
[1]load_err_q
[1]exc_req_q
[1]store_err_q
[1]enter_debug_mode
[1]handle_irq
[1]special_req
[1]debug_mode_d
[1]mu_mode_d
[1]store_err_d
[1]load_err_d
[1]mult
[1]halt_if
[1]id_in_ready_o
[1]irq_in
[1]SLEEP
[1]FIRST_FETCH
[1]WAIT_SLEEP
[1]illegal_insn_q
[1]fetch_enable_i
[1]DBG_TAKEN_IF
[1]BOOT_SET
[1]IRQ_TAKEN
[1]DBG_TAKEN_ID
[1]DECODE
csr_mstatus_mie_i
irq_pending_i
debug_mode_q
mu_mode_q
store_err_q
load_err_q
[1]RESET
exc_req_q
illegal_insn_q
[1]ctrl_fsm_cs
ebrk_insn_i
instr_fetch_err_i
instr_valid_i
ecall_insn_i
csr_mtip_i
debug_ebreaks_i
debug_ebreakm_i
PRIV_LVL_U
PRIV_LVL_M
priv_mode_i
handle_irq
ctrl_fsm_cs
ebrk_insn
instr_fetch_err
ecall_insn
EXC_CAUSE_INSTR_ACCESS_FAULT
mtip_id
EXC_CAUSE_ECALL_UMODE
break_into_debug
sv2v_cast_89EA8
csr_mstip_i
EXC_CAUSE_STORE_ACCESS_FAULT
csr_mstip_i
EXC_CAUSE_INSN_ADDR_MISA
EXC_CAUSE_BREAKPOINT
EXC_CAUSE_IRQ_EXTERNAL_M
EXC_CAUSE_IRQ_TIMER_M
EXC_CAUSE_IRQ_NM
EXC_CAUSE_ECALL_MMODE
EXC_CAUSE_LOAD_ACCESS_FAULT
EXC_CAUSE_IRQ_SOFTWARE_M
EXC_CAUSE_ILLEGAL_INSN
exc_cause_o