

Cycle 52482

Decode store of 0E0 in (a-4)

Tag Check Register

tcr_q[20]

Register File Tag

rf_reg[15]

ID_stage

Cycle 52483

alu_operand_b_ex_o_tag

check_s2_o_tag

alu_operator_o_mode

check_s1_o_tag

alu_operand_a_ex_o_tag

store_dest_addr_ex_o_tag

Cycle 52484

Execute store in (a-4)

EX_stage

exception_o_tag

ID_stage

Exception handling

Fetch : 0x118c: nop
Decode : 0x1188: sw a4,0(a5)
Execute : 0x1184: lw a4,-20(a3)
WB : 0x1180: addi a3,s0,-16

Fetch : 0x118c: lw s0,44(sp)
Decode : 0x1188: sw a4,0(a5)
Execute :
WB : 0x1184: lw a4,-20(a3)

Fetch : 0x1190: addi sp,sp,48
Decode : 0x118c: nop
Execute : 0x1188: sw a4,0(a5)
WB :