

## Cycle 52482

Decode store of 0E0 in (a-4)

Tag Check Register

Register File

tcr\_q[20]

rf\_reg[15]

ID\_stage

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

## Cycle 52483

store\_dest\_addr\_ex\_o\_tag

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

## Cycle 52484

Execute store in (a-4)

check\_s1\_o\_tag

ID\_stage

Exception handling

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