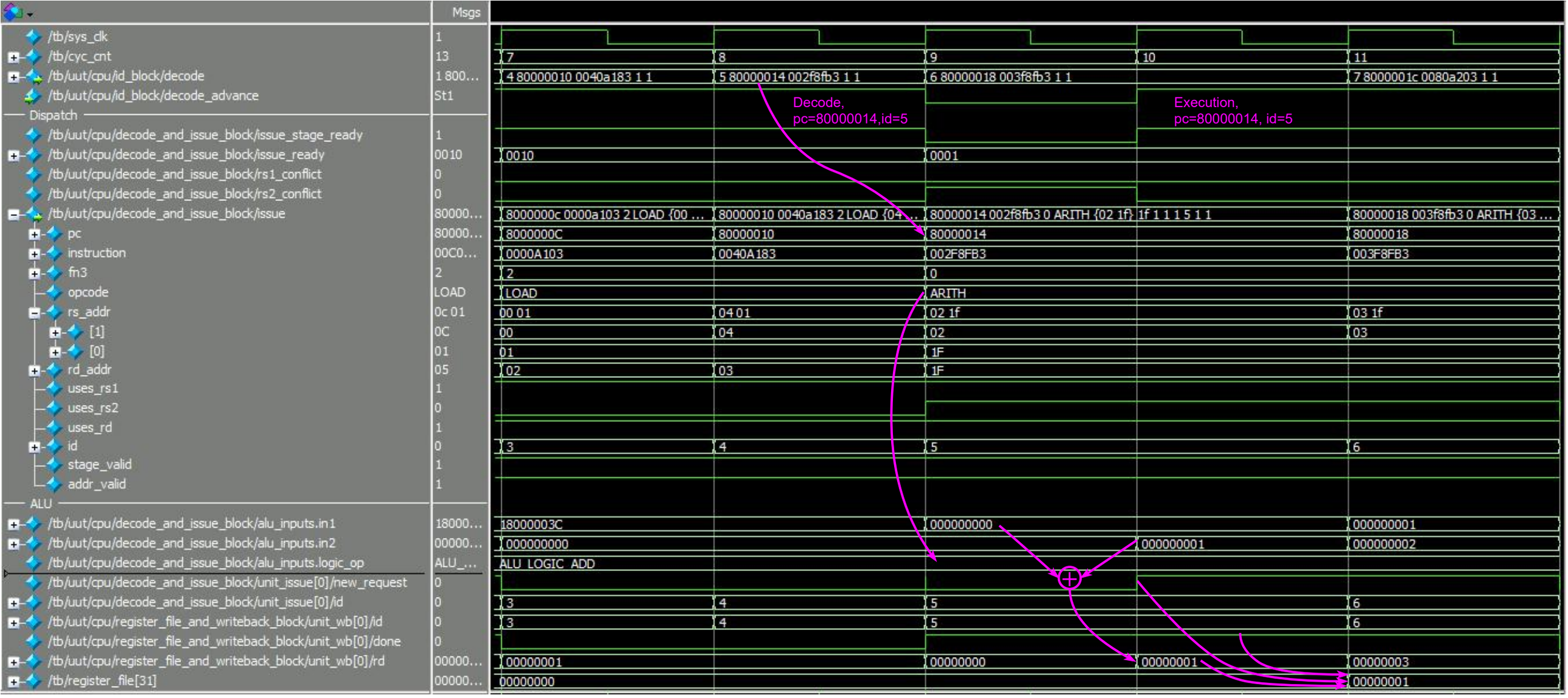
Msgs
/tb/sys_clk
/tb/cyc_cnt
/tb/uut/cpu/id_block/decode
/tb/uut/cpu/id_block/decode_advance
Dispatch
/tb/uut/cpu/decode_and_issue_block/issue_stage_ready
/tb/uut/cpu/decode_and_issue_block/issue_ready
/tb/uut/cpu/decode_and_issue_block/rs1_conflict
/tb/uut/cpu/decode_and_issue_block/rs2_conflict
/tb/uut/cpu/decode_and_issue_block/issue
pc
instruction
fn3
opcode
rs_addr
[1]
[0]
rd_addr
uses_rs1
uses_rs2
uses_rd
id
stage_valid
addr_valid
ALU
/tb/uut/cpu/decode_and_issue_block/alu_inputs.in1
/tb/uut/cpu/decode_and_issue_block/alu_inputs.in2
/tb/uut/cpu/decode_and_issue_block/alu_inputs.logic_op
/tb/uut/cpu/decode_and_issue_block/unit_issue[0]/new_request
/tb/uut/cpu/decode_and_issue_block/unit_issue[0]/id
/tb/uut/cpu/register_file_and_writeback_block/unit_wb[0]/id
/tb/uut/cpu/register_file_and_writeback_block/unit_wb[0]/done
/tb/uut/cpu/register_file_and_writeback_block/unit_wb[0]/rd
/tb/register_file[31]
7
8
9
10
11
4 80000010 0040a183 1 1
5 80000014 002f8fb3 1 1
6 80000018 003f8fb3 1 1
7 8000001c 0080a203 1 1
Decode, pc=80000014,id=5
Execution, pc=80000014, id=5
0010
0001
8000000c 0000a103 2 LOAD {00 ...
80000010 0040a183 2 LOAD {04 ...
80000014 002f8fb3 0 ARITH {02 1f}
1f 1 1 1 5 1 1
80000018 003f8fb3 0 ARITH {03 ...
8000000C
80000010
80000014
80000018
0000A103
0040A183
002F8FB3
003F8FB3
2
0
LOAD
ARITH
00 01
04 01
02 1f
03 1f
00
04
02
03
01
1F
02
03
1F
3
4
5
6
18000003C
000000000
000000001
000000002
ALU_LOGIC_ADD
00000001
00000000
00000003
00000001