

cache_out_i.line line_reg_i.line line_bak_i.line

line_sel_i

2

ICACHE_INSTR*ILEN

selected_line

ICACHE_INSTR*ILEN-1:
(ICACHE_INSTR-1)*ILEN

(ICACHE_INSTR-1)*ILEN-1:
(ICACHE_INSTR-2)*ILEN

2*ILEN-1:
ILEN

ILEN-1:
0

selected_pc

ICACHE_OFFSET

ICACHE_OFFSET-1

ICACHE_OFFSET-2

1

0

ILEN

instruction_o

pc_i

ICACHE_OFFSET

10

prev_pc_i

ICACHE_OFFSET

01

line_reg_i.pc

ICACHE_OFFSET

00

2

pc_sel_i