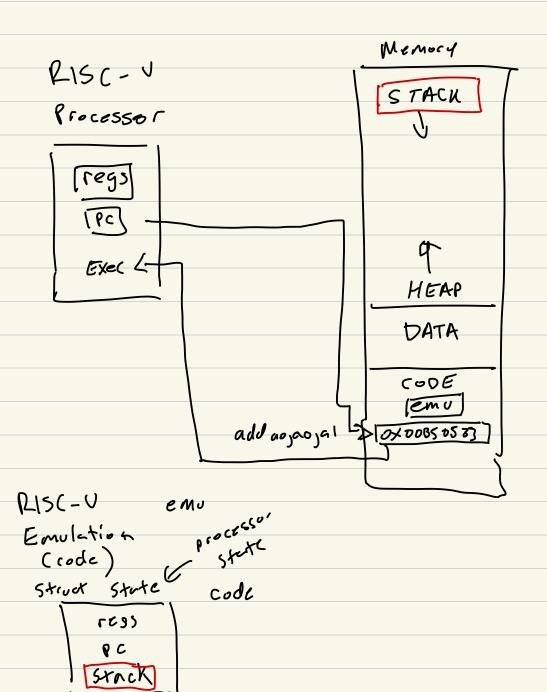
(5 631-02 RISC-V Emulation



RISC-V Emulater Implementation

Incremental Development

(1) Identify an instruction: ADDI

1-type

3 Implement or add to current implementation

(4) Decade Iw get fields

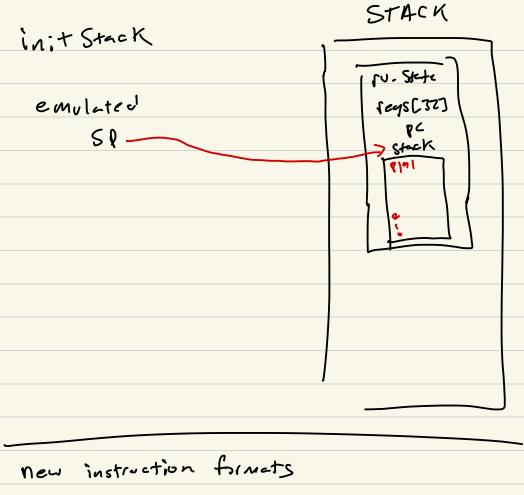
S) Construct immediate

(6) Update State

update rd

from IW

update memory update pe



immediates

jumps and branches

Memory

JAL jal J-type immediate IW 20 (0: (7 6 6 11 [4:12]
11 opende 10: 12 (0: 1 (0: 1 (0)) (MMZI int 67 = imm64 = sign-ext (imm21, 20) B-type beg 151, 152, label I w rd, offset (151) 1,W target add/ = base + officet vint64-t value = *((vint32-+*) turget_add/);