

6

$$sw \quad rs2, \text{imm}, rs1$$

Format S

~~opkool~~

opkool: 0100011

funct3: 010

rs1: 11110

rs2: 00101

~~imm: 000100000~~

imm: 0000001000000

0000 0010 0101 | 1111 0010 | 0000 0010 0011
 imm[10:5] rs2 rs1 funct3 imm[4:0] opkool

7:

0000 0000 0001 | 0000 1000 | 0000 1011 0011
 funct7 rs2 rs1 funct3 rd opkool

opkool: 0110011 → format R

funct3: 000 → sub/add

funct7: 00000000 → add

rd: 00001 → x1

rs1: 00001 → x1

rs2: 00001 → x1

add x1, x1, x1