

$0xAC620014^a$

$0x0082082A^b$

$(101011000110001000000000000010100)_2^a =$

$(000000000100000100000100000101010)_2^b =$

$opcode_a =$   
 $a[31 : 26] =$   
 $(101011)_2 =$   
 $(43)_{10} \longrightarrow$   
 $store$

$\{r_s =$   
 $a[25 : 21] =$   
 $(00011)_2 =$   
 $(3)_{10} \longrightarrow$   
 $v_1 =$   
 $r_t =$   
 $a[20 : 16] =$   
 $(00010)_2 =$   
 $(2)_{10} \longrightarrow$   
 $v_0 =$   
 $immediate =$   
 $a[15 : 0] =$   
 $(0000000000010100)_2 =$   
 $(20)_{10} \longrightarrow$   
 $sw\$v_0, 20(\$v_1)$

$opcode_b =$   
 $b[31 : 26] =$   
 $(000000)_2 =$   
 $(0)_{10} \longrightarrow$   
 $R^-$   
 $Type$

$\{r_s =$   
 $b[25 : 21] =$   
 $(00100)_2 =$   
 $(4)_{10} \longrightarrow$   
 $a_0 =$   
 $r_t =$   
 $b[20 : 16] =$   
 $(00010)_2 =$   
 $(2)_{10} \longrightarrow$   
 $v_0 =$   
 $r_d =$   
 $b[15 : 11] =$   
 $(00001)_2 =$   
 $(1)_{10} \longrightarrow$   
 $a_t =$   
 $function =$   
 $b[5 : 0] =$   
 $(101010)_2 \longrightarrow$   
 $setonlessthan \longrightarrow$   
 $slt$a_t, $a_0, $v_0$

$output =$   
 $(000000000000000000000000010100)_2 =$   
 $(14)_{16}$

$output =$   
 $(010000010000010000010101000)_2 =$   
 $(20820A8)_{16}$

$0.7]^{width =$   
 $figs/4$

