**\* b > c**

IF:

slt $t0, $s2, $s1 # check if b > c

beq $t0, $zero, ELSE

# b > c

sub $s0, $s1, $s2

j ENDIF

ELSE: # b <= c

sub $s0, $s2, $s1

ENDIF:

**\* b < c**

IF:

slt $t0, $s1, $s2 # check if b < c

beq $t0, $zero, ELSE

# b < c

sub $s0, $s1, $s2

j ENDIF

ELSE: # b >= c

sub $s0, $s2, $s1

ENDIF:

**\* b >= c**

IF:

slt $t0, $s1, $s2 # check if b < c

bne $t0, $zero, ELSE

# b >= c

sub $s0, $s1, $s2

j ENDIF

ELSE: # b < c

sub $s0, $s2, $s1

ENDIF:

**\* b <= c**

IF:

slt $t0, $s2, $s1 # check if b > c

bne $t0, $zero, ELSE

# b <= c

sub $s0, $s1, $s2

j ENDIF

ELSE: # b > c

sub $s0, $s2, $s1

ENDIF: