Screenshot of Code:

```
1   # Program 1
2   li $s1, 8      # Store 1 in register s1
3   li $s2, 2      # Store 2 in register s2
4   li $s3, 4      # Store 3 in register s3
5
6
7   bgt $s1, $s2, checkCondition1 # Check if s1>s2
8   bgt $s2, $s3, checkCondition2 # check if s2>s3
9   move $s0, $s3
10  j done
11
12  checkCondition2: # check if s2>s3
13  move $s0, $s2 # move s2 to register s0
14  j done
15
16  checkCondition1:
17  bgt $s1, $s3, nextCondition3 # check if s1>s3
18  move $s0, $s3    # move s3 to register s0
19  j done
20
21  nextCondition3:
22  move $s0, $s1 # move s1 to register s0
23
24  done:
25
```

Output:

$s0	16	0x00000008
$s1	17	0x00000008
$s2	18	0x00000002
$s3	19	0x00000004

Registers	Coproc 1	Coproc 0
Name	Number	Value
$zero	0	0x00000000
$at	1	0x00000001
$v0	2	0x00000000
$v1	3	0x00000000
$a0	4	0x00000000
$a1	5	0x00000000
$a2	6	0x00000000
$a3	7	0x00000000
$t0	8	0x00000000
$t1	9	0x00000000
$t2	10	0x00000000
$t3	11	0x00000000
$t4	12	0x00000000
$t5	13	0x00000000
$t6	14	0x00000000
$t7	15	0x00000000
$s0	16	0x00000008
$s1	17	0x00000008
$s2	18	0x00000002
$s3	19	0x00000004
$s4	20	0x00000000
$s5	21	0x00000000
$s6	22	0x00000000
$s7	23	0x00000000
$t8	24	0x00000000
$t9	25	0x00000000
$k0	26	0x00000000
$k1	27	0x00000000
$gp	28	0x10008000
$sp	29	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000

Code:

```
# Program 1
li $s1, 8    # Store 1 in register s1
li $s2, 2    # Store 2 in register s2
li $s3, 4   # Store 3 in register s3


bgt $s1, $s2, checkCondition1 # Check if s1>s2
bgt $s2, $s3, checkCondition2 # check if s2>s3
move $s0, $s3
j done

checkCondition2: # check if s2>s3
move $s0, $s2 # move s2 to register s0
j done

checkCondition1:
bgt $s1, $s3, nextCondition3 # check if s1>s3
move $s0, $s3  # move s3 to register s0
j done

nextCondition3:
move $s0, $s1 # move s1 to register s0

done:
```