

Date: 2017/03/23

Student ID:

Name:

Assume \$t0 holds the value 0x00101000. What is the value of \$t2 after the following instructions?

```
    slt    $t2, $0, $t0    0 < $t0 ? → $t2 = 1
    bne    $t2, $0, ELSE    $t0 ≠ 0 → ELSE
    j      DONE
ELSE: addi  $t2, $t2, 2      $t2 = $t2 + 2 → 1 + 2 = 3
DONE:
```

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    beq    $t2, $0, ELSE    $t0 = 0 → ELSE
    j      DONE            $t2 = 1
ELSE: addi  $t2, $t2, 2
DONE:
```