

Name: _____

CIS 351 Sample AL5 Problem

19 October 2025

AL5: Read Assembly

Describe in common English what the following functions do.

(a) `mysteryFunction1:`
 `slt $t0, $a0, $a1`
 `slt $t1, $a1, $a2`
 `and $v0, $t0, $t1`
 `jr $ra`

(b) Describe in common English what the following function does. Hint: It takes two integer parameters. `sra` stands for “shift right arithmetic”. It moves all the bits in the register to the right the specified amount.

```
mysteryFunction2:
add $v0, $a0, $a1
sra $v0, $v0, 1
jr $ra
```

(solution)