

Project 2 Sketch

2018년 11월 20일 화요일 오후 10:04

```
.data
.text
main:
sw      $a0, 0($sp)
sltiu   $t0, $a0, 1
beq     $t0, $zero, L1
addiu   $v0, $zero, 1
L1:
addiu   $a0, $a0, -1
jal     main
lw      $a0, 0($sp)
lw      $ra, 4($sp)
addu    $v0, $a0, $v0
```

Handwritten annotations in blue ink:

- For the `main` block:
 - Next to `sw $a0, 0($sp)`: $\$a0 = 0$
 - Next to `sltiu $t0, $a0, 1`: $\$t0 = 1$
 - Next to `addiu $v0, $zero, 1`: $\$v0 = 1$
- A bracket connects the `beq $t0, $zero, L1` instruction to the `L1` block, with $\$t0 = 1$ written next to it.
- For the `L1` block:
 - Next to `addiu $a0, $a0, -1`: $\$a0 = -1$
- A bracket connects the `jal main` instruction back to the `main` block, with $\$a0 = -2$ written next to it.