

HW3

#1

```
sll $t0, $s3, 2
add $t0, $t0, $s6
lw $t0, 0($t0)
sll $t1, $s4, 2
add $t1, $t1, $s6
lw $t1, 0($t1)
add $t2, $t0, $t1
```

#2 sw \$t2, 32(\$s7)

$$f = 2 * (\&A[0])$$

#3

R-type

0	16	16	16	0	16
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opcode rs rt rd shamt func

add \$s0, \$s0, \$s0

#4

1) R-type

2) sub \$v1, \$v0, \$v1

3) 0000 0000 0110 0010 0001 1000 0010 0010₍₂₎

#5

$(5 * N + 2)$ times.