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Chapter 2 Homework

CSE 401

**2.4**

The C statement equivalent to the MIPS instructions is:

f = A [f];

f = A[f+1] + A[f];

B[g] = f;

This is based on the fact that the code is only using the variables f, g, h and I. With the use of the arrays, both A and B.

**2.27**

Add $t0, $zero, $zero

Loop1:

Add $t1, $zero, $zero,

Loop2:

Add $t7, $t0, $t1

Addi $s2, $s2, 4

Sw $t7, 0($s2)

Slt $t5, $t1, $s1

Beq $t5, $zero, loop2

Addi $t0, $t0, 1

Slt $t5, $t0, $s0

Beq $t5, $zero, loop1