

Review Problem 6

- ❖ Register \$a0 has the address of a 3 integer array.
Set \$v0 to 1 if the array is sorted (smallest to largest), 0 otherwise.

lw \$t0, 0(\$a0)
lw \$t1, 4(\$a0)
lw \$t2, 8(\$a0)
add \$v0, \$0, \$0
slt \$t4, \$t0, \$t1
beq \$t4, \$0, UNSORTED ✓
→ slt \$t4, \$t1, \$t2

sorted
beq \$t4, \$0, UNSORTED ✓
addi \$v0, \$0, 1
UNSORTED: