

Branching

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Consider the following code to sum up an array. Let `s1` be the first address in the array, and `t0` initially be the last address in the array. Further assume `t2` is initially 0.

```
loop: ld t1,0(t0)      # loads the value stored in the memory location t0+0 into t1
      add t2, t2, t1
      addi t0, t0, -4
      slt t3, t0, s1
      beqz t3, loop
```