

```

addu $t0, $t1, $t2 # $t0 = sum, but don't trap
xor  $t3, $t1, $t2 # Check if signs differ
slt  $t3, $t3, $zero # $t3 = 1 if signs differ
bne  $t3, $zero, No_overflow # $t1, $t2 signs ≠,
                                # so no overflow
xor  $t3, $t0, $t1 # signs =; sign of sum match too?
                                # $t3 negative if sum sign different
slt  $t3, $t3, $zero # $t3 = 1 if sum sign different
bne  $t3, $zero, Overflow # All 3 signs ≠; goto overflow

```

Unn Fig. 3-5.