

```

addu $t0, $t1, $t2      # $t0 = sum
nor $t3, $t1, $zero      # $t3 = NOT $t1
                        # (2's comp - 1:  $2^{32} - \$t1 - 1$ )
sltu $t3, $t3, $t2      #  $(2^{32} - \$t1 - 1) < \$t2$ 
                        #  $\Rightarrow 2^{32} - 1 < \$t1 + \$t2$ 
bne $t3,$zero,Overflow  # if( $2^{32}-1 < \$t1+\$t2$ ) goto overflow

```

Unn Fig. 3-6.