**Tip R**

Addition **add**

Subtraction **sub**

Shift Left Logical (with shift amount – sa) **sll**

Shift Right Logical (with shift amount – sa) **srl**

Logical AND **and**

Logical OR **or**

Logical XOR **xor**

Shift-Right Arithmetic **sra**

**Tip I**

Add Immediate **addi**

Load Word **lw**

Store Word **sw**

Branch on Equal **beq**

Branch on Greater Than Zero **bgtz**

Bitwise OR Immediate **ori**

X := Y **XOR** X; *// XOR the values and store the result in X*

Y := X **XOR** Y; *// XOR the values and store the result in Y*

X := Y **XOR** X; *// XOR the values and store the result in X*

**function** CMMDC(a, b)

**if** a = 0

**return** b

**while** b ≠ 0

**if** a > b

a := a − b

**else**

b := b − a

**return** a