16 bit

branch
instructions

Conditional

unconditional

j(Jump)

MIPS Code:

2

- $\frac{C code:}{if(a!=b):}$ a = b+1
- e)se:

- o beg, \$51, \$52, ELSE
- 4 addi \$51,\$52,1
- 8 j Exit
- 12 ELSE: addi \$51, \$52, 2
- 16 Exit:

$$\frac{C-\text{Code:}}{\text{if }(a==b):}$$

$$a = b + 1$$

e)se:

MIPS Code:

- o bne \$51, \$52, ELSE
- 4 addi \$51,\$52,1 8 j Exit

 - 12 ELSE: addi \$51, \$52,2
 - 16 Exit: