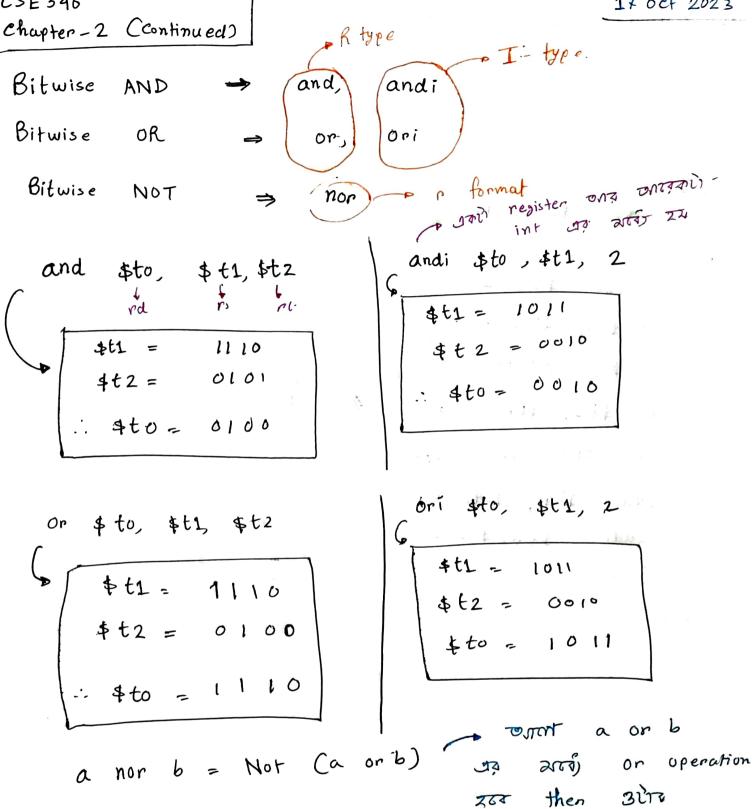
complement of 200.



Not agra 372) non \$t1, \$t2, \$zero. \$t2 = 1:011 \$zero = 0000 ... \$ or operation 27-18: = 1011 2x2 2lip not 200. ... \$t1 = 0 1 00

Loops

while loop:

C - code:

while C save [i] = = k) { a = a + 2; i + = 1;

i, k, a are stored in \$53, \$55 and \$59
pespectively and bouse address of save
is \$56.

MIPS Code:

Loop:

add \$to, \$53,2 add \$to, \$to, \$56 # Memory address of save [i] Lw \$t1, 0 (\$t0) bne \$t1, \$55, Exit addi \$54, \$54,2 addi \$53,\$53,1 j loop # loop iterate \$7777 377

Exit:

For loop:

for (int i=0; save [i] > k; i++) { a = a+2

1, k, a are stored in \$53, \$55 and \$54.

Pespectively. Base address of save is in \$56.

MIPS Code: add \$53, \$ Zero, \$Zero # i=0 assign ART ZOUT initially Loop: · sil \$to, \$53, 2 add \$to, \$to, \$56 Lw \$t1, 0 (\$t0) slt \$t2, \$t1, \$55 # 82782 7, main code a > then I so war bne \$t2, \$ zero, Exit compare man less than addi \$54, \$54,2 st2 for 1 stone 2001 addi \$53, \$53, 1 j 100p Exit: