2.3: 1: \$+1, 32 add 9+0, 556, 8+1 lw \$ +0, 0 (\$+0)

> Sub \$+2, \$53, \$54 SII \$+2, \$+2, 2 ad \$+2,\$+2,\$57 Sw \$+0, O(\$+2)

2.4 add; \$+2,\$t0, 4 # \$ +2 register stores the \$to +4 1W \$+0,0(\$+2)
add \$+0,\$+0,\$5()
SW \$+0,0(\$+1) # loads \$12 and Stores in 50 # Adds values stored in to and so and stores in to # Stores to in the memory address Stored in to

2.231: This would be an Itype format because it beals with Immediate values and value changes.

2.23.2:

Main:

1; \$50, 29

Loop\_Start:

addi 550,550,-1

bnez \$50, 100p-stort

2.24.1: The value of \$52 will be 10.2=120) 2.24.2:

C Code:

Int A=10; 1/8T1

Int B =0; //\$52

While (A) 0) { // Loop

B=B+2;

2.24.3: \$5+1 is the value h and the loop instructions is 5.1

2.24.3: \$5+1 is the value in and the loop instructions is 5.1 Number of MIPS Instructions executed: 5.1

2.31
addi \$5p, \$5p, -12
5w \$(a, [\$5p)
5w \$a2, 4(\$5p)
5w \$a3, \$(\$5p)
Jal func
add \$a0, \$v0,\$0
1w \$a2, 4(\$5p)
1w \$a3, \$(\$5p)
add \$a1,\$a3,\$a3
Jal Func
1w \$ra, (\$5p)
add; \$5p, \$5p, 12
Jr \$ra