

[illegible][illegible]

$\begin{array}{ccccccc} \text{OP} & \text{rd} & & \text{op3} & & \text{rst} & \text{i} \\ 101001 & 000010 & 01001 & 6 & 00000000 & 00000 & \end{array}$

Format

mov 0, %lo

OP	rd	OP3	rs1	i	imm13
10	1000	000010	00000	1	00000000000000

mov 0, %lo

OP	rd	OP3	rs1	i	imm13
10	01000	000010	00000	1	00000000000000

infor

cmp %lo, %li

OP	rd	OP3	i	unrel	rs2
10	00000	010100	0	00000000	11001

BGE format 2

OP	a	cond	rs22
00	1	1011010	000000000000000000100

ADD %lo, %lo, %lo

OP	rd	OP3	rs1	i	unrel	rs2
11	01000	000000	01000	0	000000000	11000

BA format 2

OP	a	cond	rs22
00	0	1000010	11111111111111111101

ADD %lo, 1, %lo format 3

OP	rd	OP3	rs1	i	imm13
11	10000	000000	10000	1	000000000000001

impl %0z, 8, 80% format 3

OP	rd	OP3	rs1	i	imm13
10	00000	111000	10111	1	00000000001111

```
int multiplicar(int x, int y) {
```

```
    int i = 0;
```

```
    int acumulado = 0;
```

```
    For(i=1; i<=y; i++) {
```

```
        acumulado = acumulado + 1;
```

```
    }
```

```
    return acumulado;
```

```
int main() {
```

```
    int a = 5;
```

```
    int b = 3;
```

```
    int c;
```

```
    c = multiplicar(a, b);
```

```
    return 0;
```

```
0000 mov 0, %l0
```

```
0004 mov 0, %l0
```

```
0008 IMF07 cmp %l0, %l1
```

```
000c B6E a ENDFOR
```

```
0010 ADD %l0, %l0, %l0
```

```
0014 BA IMF07
```

```
0018 ADD %l0, 1, %l0
```

```
END FOR
```

```
main: jmp %l0, 3, %l0
```

```
NOP
```

```
main
```

```
mov, 5 %l0
```

```
mov, 3 %l1
```

```
CALL multiplicar
```

```
NOP
```

```
mov 0, %l0
```