

Conversão C para Assembler

C

```
'main (){\n  int i,s = 0;\n  for (i = 0; i!=10; i++){ \n    s=s+i;\n  } }'
```

Assembler

```
'main:\n  add $s0, $0, $0\n  add $s1, $0, $0\n  addi $t0, $0, 10\n  LOOP:\n  beq $s0, $t0, END\n  add $s1, $s1, $s0\n  addi $s0, $s0, 1\n  j LOOP\n  END:'
```

C

```
g = A[i];
```

Assembler

```
'add $t0, $t1, $0\n  sll $t0, $t0,2\n  add $t0, $t0, $s5\n  lw $t0,0($t0)'
```