```
00000000  7f 45 4c 46 01 01 01 00  00 00 00 00 00 00 00 00  |.ELF............|
00000010  02 00 f3 00 01 00 00 00  e8 10 01 00 34 00 00 00  |............4...|
00000020  50 02 00 00 04 00 00 00  34 00 20 00 05 00 28 00  |P.......4. ...(.|
00000030  08 00 06 00 06 00 00 00  34 00 00 00 34 00 01 00  |........4...4...|
00000040  34 00 01 00 a0 00 00 00  a0 00 00 00 04 00 00 00  |4...............|
00000050  04 00 00 00 01 00 00 00  00 00 00 00 00 00 01 00  |................|
00000060  00 00 01 00 e5 00 00 00  e5 00 00 00 04 00 00 00  |................|
00000070  00 10 00 00 01 00 00 00  e8 00 00 00 e8 10 01 00  |................|
00000080  e8 10 01 00 44 00 00 00  44 00 00 00 05 00 00 00  |....D...D.......|
00000090  00 10 00 00 01 00 00 00  2c 01 00 00 2c 21 01 00  |........,...,!..|
000000a0  2c 21 01 00 04 00 00 00  04 00 00 00 06 00 00 00  |,!..............|
000000b0  00 10 00 00 51 e5 74 64  00 00 00 00 00 00 00 00  |....Q.td........|
000000c0  00 00 00 00 00 00 00 00  00 00 00 00 06 00 00 00  |................|
000000d0  00 00 00 00 48 65 6c 6c  6f 21 20 4d 43 34 30 34  |....Hello! MC404|
000000e0  21 21 21 0a 00 00 00 00  37 03 01 00 13 03 f3 ff  |!!!.....7.......|
000000f0  97 12 00 00 93 82 c2 03  23 80 62 00 13 05 10 00  |........#.b.....|
00000100  97 f5 ff ff 93 85 45 fd  13 06 30 01 93 08 00 04  |......E...0.....|
00000110  73 00 00 00 13 05 00 00  93 08 d0 05 73 00 00 00  |s...........s...|
00000120  13 05 00 00 93 08 d0 05  73 00 00 00 59 00 00 00  |........s...Y...|
00000130  4c 69 6e 6b 65 72 3a 20  4c 4c 44 20 31 31 2e 31  |Linker: LLD 11.1|
00000140  2e 30 00 00 00 00 00 00  00 00 00 00 00 00 00 00  |.0..............|
00000150  00 00 00 00 01 00 00 00  f0 10 01 00 00 00 00 00  |................|
00000160  00 00 02 00 0d 00 00 00  00 11 01 00 00 00 00 00  |................|
00000170  00 00 02 00 19 00 00 00  14 11 01 00 00 00 00 00  |................|
00000180  00 00 02 00 21 00 00 00  2c 21 01 00 00 00 00 00  |....!...,!......|
00000190  00 00 03 00 28 00 00 00  fc 10 01 00 00 00 00 00  |....(...........|
000001a0  00 00 02 00 2e 00 00 00  20 11 01 00 00 00 00 00  |........ .......|
000001b0  00 00 02 00 33 00 00 00  d4 00 01 00 00 00 00 00  |....3...........|
000001c0  00 00 01 00 3a 00 00 00  e8 10 01 00 00 00 00 00  |....:...........|
000001d0  10 00 02 00 00 2e 72 6f  64 61 74 61 00 2e 74 65  |.......rodata..te|
000001e0  78 74 00 2e 64 61 74 61  00 2e 63 6f 6d 6d 65 6e  |xt..data..commen|
000001f0  74 00 2e 73 79 6d 74 61  62 00 2e 73 68 73 74 72  |t..symtab..shstr|
00000200  74 61 62 00 2e 73 74 72  74 61 62 00 00 2e 4c 70  |tab..strtab...Lp|
00000210  63 72 65 6c 5f 68 69 30  00 2e 4c 70 63 72 65 6c  |crel_hi0..Lpcrel|
00000220  5f 68 69 31 00 6d 79 5f  66 75 6e 63 00 6e 75 6d  |_hi1.my_func.num|
00000230  65 72 6f 00 70 72 69 6e  74 00 73 61 69 72 00 73  |ero.print.sair.s|
00000240  74 72 69 6e 67 00 5f 73  74 61 72 74 00 00 00 00  |tring._start....|
00000250  00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00  |................|
00000260  00 00 00 00 00 00 00 00  00 00 00 00 00 00 00 00  |................|
00000270  00 00 00 00 00 00 00 00  01 00 00 00 01 00 00 00  |................|
00000280  02 00 00 00 d4 00 01 00  d4 00 00 00 11 00 00 00  |................|
```

```
00000290   00 00 00 00 00 00 00 00   01 00 00 00 00 00 00 00   |................|
000002a0   09 00 00 00 01 00 00 00   06 00 00 00 e8 10 01 00   |................|
000002b0   e8 00 00 00 44 00 00 00   00 00 00 00 00 00 00 00   |....D...........|
000002c0   04 00 00 00 00 00 00 00   0f 00 00 00 01 00 00 00   |................|
000002d0   03 00 00 00 2c 21 01 00   2c 01 00 00 04 00 00 00   |....,!..,.......|
000002e0   00 00 00 00 00 00 00 00   01 00 00 00 00 00 00 00   |................|
000002f0   15 00 00 00 01 00 00 00   30 00 00 00 00 00 00 00   |........0.......|
00000300   30 01 00 00 13 00 00 00   00 00 00 00 00 00 00 00   |0...............|
00000310   01 00 00 00 01 00 00 00   1e 00 00 00 02 00 00 00   |................|
00000320   00 00 00 00 00 00 00 00   44 01 00 00 90 00 00 00   |........D.......|
00000330   07 00 00 00 08 00 00 00   04 00 00 00 10 00 00 00   |................|
00000340   26 00 00 00 03 00 00 00   00 00 00 00 00 00 00 00   |&...............|
00000350   d4 01 00 00 38 00 00 00   00 00 00 00 00 00 00 00   |....8...........|
00000360   01 00 00 00 00 00 00 00   30 00 00 00 03 00 00 00   |........0.......|
00000370   00 00 00 00 00 00 00 00   0c 02 00 00 41 00 00 00   |............A...|
00000380   00 00 00 00 00 00 00 00   01 00 00 00 00 00 00 00   |................|
```

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

.symtab:
```
00000140                  00 00 00 00   00 00 00 00 00 00 00 00   |   ............|
00000150   00 00 00 00   01 00 00 00   f0 10 01 00 00 00 00 00   |................|
00000160   00 00 02 00   0d 00 00 00   00 11 01 00 00 00 00 00   |................|
00000170   00 00 02 00   19 00 00 00   14 11 01 00 00 00 00 00   |................|
00000180   00 00 02 00   21 00 00 00   2c 21 01 00 00 00 00 00   |....!...,!......|
00000190   00 00 03 00   28 00 00 00   fc 10 01 00 00 00 00 00   |....(...........|
000001a0   00 00 02 00   2e 00 00 00   20 11 01 00 00 00 00 00   |................|
000001b0   00 00 02 00   33 00 00 00   d4 00 01 00 00 00 00 00   |....3...........|
000001c0   00 00 01 00   3a 00 00 00   e8 10 01 00 00 00 00 00   |....:...........|
```

.strtab:
```
00000200                                 00 2e 4c 70   |          ..Lp|
00000210   63 72 65 6c 5f 68 69 30   00 2e 4c 70 63 72 65 6c   |crel_hi0..Lpcrel|
00000220   5f 68 69 31 00 6d 79 5f   66 75 6e 63 00 6e 75 6d   |_hi1.my_func.num|
00000230   65 72 6f 00 70 72 69 6e   74 00 73 61 69 72 00 73   |ero.print.sair.s|
00000240   74 72 69 6e 67 00 5f 73   74 61 72 74               |tring._start    |
```

||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

opcode (código de operação)
imediato
rd (registrador de destino)
rs1 (registrador 1)
func (função)

.text:

instrução #1:
37 03 01 00
00 01 03 37
0000 0000 0000 0001 0000 0011 0011 0111 → lui t1, 16

instrução #2:
13 03 f3 ff
ff f3 03 13
1111 1111 1111 0011 0000 0011 0001 0011 → addi t1, t1, -1

instrução #3:
97 12 00 00
00 00 12 97
0000 0000 0000 0000 0001 0010 1001 0111 → auipc t0, 1