|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| LC |  | addi | $v0 | $zero | 0 |  | PC |
|  |  | 8 | 2 | 0 | 0 |  |  |
| 001000 00000 00010 0000000000000000  0010 0000 0000 0010 0000 0000 0000 0000 | | | | | | | |
| 0x00 | 0x2002 0000 | | | | | | 0x04 |
|  | Next: | lw | $t9 | 0 | ($a0) |  |  |
|  |  | 35 | 25 | 0 | 4 |  |  |
| 100011 00100 11001 0000000000000000  1000 1100 1001 1001 0000 0000 0000 0000 | | | | | | | |
| 0x04 | 0x8C99 0000 | | | | | | 0x08 |
|  |  | addi | $v0 | $v0 | 1 |  |  |
|  |  | 8 | 2 | 2 | 1 |  |  |
| 001000 00010 00010 0000000000000001  0010 0000 0100 0010 0000 0000 0000 0001 | | | | | | | |
| 0x08 | 0x2042 0001 | | | | | | 0x0C |
|  |  | sw | $t9 | $0 | ($a1) |  |  |
|  |  | 43 | 25 | 0 | 5 |  |  |
| 101011 00101 11001 0000000000000000  1010 1100 1011 1001 0000 0000 0000 0000 | | | | | | | |
| 0x0C | 0xACB9 0000 | | | | | | 0x10 |
|  |  | addi | $a0 | $a0 | 4 |  |  |
|  |  | 8 | 4 | 4 | 4 |  |  |
| 001000 00100 00100 0000000000000100  0010 0000 1000 0100 0000 0000 0000 0100 | | | | | | | |
| 0x10 | 0x2084 0004 | | | | | | 0x14 |
|  |  | addi | $a1 | $a1 | 4 |  |  |
|  |  | 8 | 5 | 5 | 4 |  |  |
| 001000 00101 00101 0000000000000100  0010 0000 1010 0101 0000 0000 0000 0100 | | | | | | | |
| 0x14 | 0x20A5 0004 | | | | | | 0x18 |
|  |  | bne | $t9 | $zero | next |  |  |
|  |  | 5 | 25 | 0 | 4 |  |  |
| 000101 11001 000000000000000000100  0001 0111 0010 0000 0000 0000 0000 0100 | | | | | | | |
| 0x18 | 0x1720 0004 | | | | | | 0x04 |
|  |  | Jr | $ra |  |  |  |  |
|  |  | 0/8 | 31 |  |  |  |  |
| 000000 11111 00000 00000 00000 001000  0000 0011 1110 0000 0000 0000 0000 1000 | | | | | | | |
| 0x1C | 0x03E0 0008 | | | | | | Address in $ra |
|  |  |  |  |  |  |  |  |