|  |  |
| --- | --- |
| 0X0000 | Mov 20,%L0 |
| 0X0004 | Mov 11,%L1 |
| 0X0008 | CMP %L0,%L1 |
| 0X000C | BE a,False |
| 0X0010 | ADD %L0,1,%L0 |
| 0X0014 | ADD %L0,%L1,%Oo |
| 0X0018 | Ba a, Exit |
| False |  |
| 0X001C | Sub %L0,1,%L0 |
| 0X0020 | ADD %L0,%L1,%Oo |
| Exit |  |
| 0X0024 | NOP |

A.

i->%L0 F 2: Formato 2   
j->%L1 F 3: Formato 3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | 10000 | 000000 | 00000 | 1 |  | 0000000010100 | |
| 10 | 10001 | 000000 | 00000 | 1 |  | 0000000001011 | |
| 10 | 10000 | 010100 | 10000 | 0 | 00000000 | | 10001 |
| 00 | 1 | 0001 | 010 | 0000000000000000000100 | | | |
| 10 | 10000 | 000000 | 10000 | 1 | 0000000000001 | | |
| 10 | 01000 | 000000 | 10000 | 0 | 00000000 | | 10001 |
| 00 | 1 | 1000 | 010 | 0000000000000000000011 | | | |
| 10 | 10000 | 000100 | 10000 | 1 | 0000000000001 | | |
| 10 | 01000 | 000000 | 10000 | 0 | 00000000 | |  |
| 00 | 000000 | 100 | 000000000000000000000 | | | | |

F 3 -0X0000  
F 3 -0X0004  
F 3 -0X0008  
F 2 -0X000C  
F 3 -0X0010  
F 3 -0X0014  
F 2 -0X0018  
F 3 -0X001C  
F 3 -0X0020  
F 2 -0X0024

B.

i->%L0   
b->%L1

|  |  |
| --- | --- |
| 0X0000 | SETHI -20, %L0 |
| 0X0004 | Or %L0,880, %L0 |
| 0X0008 | ST %L2,[ %L1+2\*4] |
| 0X000C | Mov 33, %L2 |
| 0X0010 | Sub %L0, %L2, %L0 |
| 0X0014 | CMP %L0, %12 |
| 0X0018 | Bl a, False |
| 0x001C | ADD %L0,15,%Oo |
| 0X0020 | Ba a, Exit |
| False |  |
| 0X0024 | Sll %L0,32,%Oo |
| Exit |  |
| 0X0028 | NOP |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 00 | 10000 | 100 | 1111111111111111101100 | | | |
| 10 | 10000 | 000010 | 10000 | 1 | 0001101110000 | |
| 11 | 10010 | 000100 | 10001 | 1 | 0000000000100 | |
| 10 | 10010 | 000000 | 00000 | 1 | **0000000100001** | |
| 10 | 10000 | 000100 | 10000 | 0 | 000000000 | 10010 |
| 10 | 10000 | 010100 | 10000 | 0 | 00000000 | 10010 |
| 00 | 1 | 0011 | 010 | 0000000000000000000011 | | |
| 10 | 01000 | 000000 | 10000 | 1 | 0000000001111 | |
| 00 | 1 | 1000 | 010 | 0000000000000000000010 | | |
| 10 | 01000 | 100101 | 10000 | 1 | 0000000100000 | |
| 00 | 000000 | 100 | 000000000000000000000 | | | |

F 2 -0X0000  
F 3 -0X0004  
F 3 -0X0008  
F 3 -0X000C  
F 3 -0X0010  
F 3 -0X0014  
F 2 -0X0018  
F 3 -0X001C  
F 2 -0X0020  
F 3 -0X0024   
F 3 -0X0028