|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 230 |
| 1110 | 240 |
| 1111 | 250 |

PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 110 |
| r1 |  |
| r2 |  |
| r3 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0 00 | 100 |
| 110 |
| 120 |
| 130 |
|  |  |
|  |
|  |
|  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0 00 | 100 |
| 110 |
| 120 |
| 130 |
|  |  |
|  |
|  |
|  |

|  |  |
| --- | --- |
| 4MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 230 |
| 1110 | 240 |
| 1111 | 250 |

|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 230 |
| 1110 | 240 |
| 1111 | 250 |



PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 110 |
| r1 |  |
| r2 | 100 |
| r3 |  |

PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 110 |
| r1 |  |
| r2 | 100 |
| r3 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1 00 | 100 |
| 110 |
| 120 |
| 100 |
|  |  |
|  |
|  |
|  |



|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 230 |
| 1110 | 240 |
| 1111 | 250 |



PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 110 |
| r1 |  |
| r2 | 100 |
| r3 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1 00  (LRU) | 100 |
| 110 |
| 120 |
| 100 |
| 1 11 | 220 |
| 100 |
| 240 |
| 250 |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1 00  (LRU) | 100 |
| 110 |
| 120 |
| 100 |
| 1 11 | 220 |
| 100 |
| 240 |
| 250 |

|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 230 |
| 1110 | 240 |
| 1111 | 250 |

|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 230 |
| 1110 | 240 |
| 1111 | 250 |

PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 240 |
| r1 | 120 |
| r2 | 100 |
| r3 |  |

PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 240 |
| r1 |  |
| r2 | 100 |
| r3 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1 00 | 100 |
| 110 |
| 120 |
| 100 |
| 1 11  (LRU) | 220 |
| 100 |
| 240 |
| 250 |



|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 130 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 100 |
| 1110 | 240 |
| 1111 | 250 |

PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 240 |
| r1 | 120 |
| r2 | 100 |
| r3 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0 11 | 220 |
| 230 |
| 240 |
| 250 |
| 1 01  (LRU) | 140 |
| 150 |
| 160 |
| 240 |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1 00  (LRU) | 100 |
| 110 |
| 120 |
| 100 |
| 1 01 | 140 |
| 150 |
| 160 |
| 240 |

|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 100 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 170 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 100 |
| 1110 | 240 |
| 1111 | 250 |

|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 100 |
| 0100 | 140 |
| 0101 | 150 |
| 0110 | 160 |
| 0111 | 240 |
| 1000 | 180 |
| 1001 | 190 |
| 1010 | 200 |
| 1011 | 210 |
| 1100 | 220 |
| 1101 | 100 |
| 1110 | 240 |
| 1111 | 250 |



PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 240 |
| r1 | 120 |
| r2 | 240 |
| r3 | 180 |

PROCESSADOR

lw r0 1

lw r2 0

sw r2 3

sw r2 13

lw r0 14

lw r1 2

sw r0 7

lw r2 14

lw r3 8

|  |  |
| --- | --- |
| r0 | 240 |
| r1 | 120 |
| r2 | 240 |
| r3 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0 11  (LRU) | 220 |
| 230 |
| 240 |
| 250 |
| 0 10 | 180 |
| 190 |
| 200 |
| 210 |

