|  |  |
| --- | --- |
| 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 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

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

|  |  |
| --- | --- |
| Memória CACHE | |
| 0001 | 110 LRU |
| 1001 | 190 |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0001 | 110 |
|  |  |

|  |  |
| --- | --- |
| 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 CACHE | |
| 0001 | 110 |
| 1001 | 190 LRU |

|  |  |
| --- | --- |
| 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 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |
| --- | --- |
| r0 | 110 |
| r1 |  |
| r2 | 190 |
| r3 | 110 |

PROCESSADOR

lw r0 1

lw r2 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |
| --- | --- |
| r0 | 110 |
| r1 |  |
| r2 | 190 |
| r3 |  |

|  |  |
| --- | --- |
| 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 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |  |
| --- | --- | --- |
| r0 | 110 |  |
| r1 |  |  |
| r2 | 190 |  |
| r3 | 100 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1000 | 180 |
| 0000 | 100 LRU |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0001 | 110 LRU |
| 0000 | 100 |

|  |  |
| --- | --- |
| Memória CACHE | |
| 1000 | 180 LRU |
| 0010 | 120 |

|  |  |
| --- | --- |
| 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 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |  |
| --- | --- | --- |
| r0 | 180 |  |
| r1 |  |  |
| r2 | 120 |  |
| r3 | 100 |  |

PROCESSADOR

lw r0 1

lw r2 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |
| --- | --- |
| r0 | 180 |
| r1 |  |
| r2 | 190 |
| r3 | 100 |

|  |  |
| --- | --- |
| MEMÓRIA PRINCIPAL | |
| 0000 | 100 |
| 0001 | 110 |
| 0010 | 120 |
| 0011 | 120 |
| 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 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |  |
| --- | --- | --- |
| r0 | 180 |  |
| r1 |  |  |
| r2 | 120 |  |
| r3 | 130 |  |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0011 | 130 LRU |
| 1001 | 190 |

|  |  |
| --- | --- |
| Memória CACHE | |
| 0011 | 130 |
| 0010 | 120 LRU |

|  |  |
| --- | --- |
| 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 CACHE | |
| 0010 | 120 |
| 1001 | 190 LRU |

|  |  |
| --- | --- |
| 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 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |  |
| --- | --- | --- |
| r0 | 180 |  |
| r1 | 190 |  |
| r2 | 120 |  |
| r3 | 120 |  |

PROCESSADOR

lw r0 1

lw r2 9

lw r3 1

lw r3 0

lw r0 8

lw r2 2

lw r3 3

lw r1 9

lw r3 2

|  |  |  |
| --- | --- | --- |
| r0 | 180 |  |
| r1 | 190 |  |
| r2 | 120 |  |
| r3 | 130 |  |