EJERCICIO:

1: PASAR A LENGUAJE DE BAJO NIVEL, LENGUAJE DE MÁQUINA Y HEXADECIMAL.

Int main () {

Int P=3, H [300], B [40];

H [10] = 3;

B [4] = -1;

H [20] =B [4] + H [10] + P;

Return 0;

}

%L0=P

%L1=H

%L2=B

OR %g0, 3, %, %L0

OR %g0, 1200, %L1

OR %g0, 160, %L2

OR %L1, 3, %L3

ST %L3, %L1, 40

OR %g0, -1, %L4

ST %L4, %L2, 16

Add %L1, %L0, %L5

Add %L5, %L2, %L6

Add %g0, 0, O0

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **OP** | **RD** | **OP3** | **RS1** | **IMMEDIATO** | **Unuzed (cero)** | **RS2** |
| 1= | 10 | 10001 | 000000 | 000000 | 1 | 00000000 | 00011 |
| 2= | 10 | 10000 | 000000 | 000000 | 1 | 00100101 | 10000 |
| 3= | 10 | 10010 | 000000 | 000000 | 1 | 00000101 | 00000 |
| 4= | 10 | 10011 | 000000 | 10000 | 1 | 00000000 | 00011 |
| 5= | 11 | 01000 | 000100 | 10011 | 0 | 00000000 | 10000 |
| 6= | 10 | 10100 | 000000 | 00000 | 1 | 00000000 | 00001 |
| 7= | 11 | 10000 | 000100 | 10100 | 0 | 00000000 | 10010 |
| 8= | 10 | 10101 | 000000 | 10000 | 0 | 00000000 | 10001 |
| 9= | 10 | 10110 | 000000 | 10100 | 0 | 00000000 | 10010 |
| 10= | 10 | 01000 | 000000 | 00000 | 1 | 00000000 | 00000 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1= | A | 2 | 0 | 0 | 4 | 0 | 0 | 3 |
| 2= | A | 0 | 0 | 0 | 2 | 4 | B | 0 |
| 3= | A | 2 | 0 | 0 | 2 | 0 | A | 0 |
| 4= | A | 6 | 0 | 4 | 2 | 0 | 0 | 3 |
| 5= | D | 0 | 2 | 4 | C | 0 | 1 | 0 |
| 6= | A | 8 | 0 | 0 | 2 | 0 | 0 | 1 |
| 7= | 14 | 0 | 2 | 5 | 0 | 0 | 1 | 2 |
| 8= | A | A | 0 | 4 | 0 | 0 | 1 | 1 |
| 9= | A | C | 0 | 5 | 4 | 0 | 1 | 2 |
| 10= | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |