# Codificación de instrucciones

## MOV:

|  |  |  |
| --- | --- | --- |
| Instrucción [31-21] | K [20-5] | Rd [4-0] |

## ADD:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Instrucción [31-21] |  | Ra [14-10] | Rb [9-5] | Rd [4-0] |

## HALT:

|  |  |
| --- | --- |
| Instrucción [31-21] |  |

Mov = 00; ADD = 100; HALT = 10;

## Valores para el NIP 816906

* r1= 10000 = 0010 0111 0001 0000
* r2= 0 = 0
* r3= 0 = 0
* r4= 6000 = 0001 0111 0111 0000
* r5= 900 = 0011 1000 0100
* r6= 0 = 0
* r7= 6 = 110

## Paso a binario y hexadecimal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Instrucción | Cod instr | K | Rd | Hexadecimal |
| mov #10000, r1 | 0…00 | 0010 0111 0001 0000 | 001 | 0004E201 |
| Mov #0, r2 | 0…00 | 0 | 010 | 00000002 |