**Código de evaluación Proyecto 1**

formato aritméticas:

op rs rt rd shamt funct

000001 00001 00010 00011 00000 000000  ADD R3, R1, R2

formato lw, sw, beq:

op rs rt inm

000010 00000 00001 0000000000000000 LW  R1, 0(R0)  dir 0

Memoria: [*X"3e4ccccd"*, 0, 0, 0, 0, 0, 0, 0, 0…] En M(4) aparecerá un 0,4

Para las traducciones fp/HEX: https://www.h-schmidt.net/FloatConverter/IEEE754.html

separado por campos:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 000010 | 00000 | 00001 | 0000000000000000 |  | @0x0 | LW R1, 0(R0) | *En la posición 0 ponemos un 0.2. R1=(X"3e4ccccd"), R0=0* |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x4 | nop |  |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x8 | nop |  |
| 100000 | 00001 | 00001 | 0001000000000000 |  | @0xC | ADDFP R2,R1,R1 | *R2=0.4* |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x10 | nop |  |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x14 | nop |  |
| 000011 | 00000 | 00010 | 0000000000000100 |  | @0x18 | SW R2, 4(R0) | *Mem(4)= 0.40000007 (0x3ecccccf), R0=0* |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x1c | nop |  |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x20 | nop |  |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x24 | nop |  |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x28 | nop |  |
| 000000 | 00000 | 00000 | 0000000000000000 |  | @0x2c | nop |  |

X"08010000",X"00000000",X" 0000000", X"80211000", X"00000000",X" 0000000", X"0C020004",X"00000000",X" 0000000" , X"00000000",X" 0000000"

EN hexadecimal:

|  |  |  |
| --- | --- | --- |
| 08010000 | @0x0 | LW R1, 0(R0) |
| 00000000 | @0x4 | nop |
| 00000000 | @0x8 | nop |
| 80211000 | @0xC | ADDFP R2,R1,R1 |
| 00000000 | @0x10 | nop |
| 00000000 | @0x14 | nop |
| 0C020004 | @0x18 | SW R2, 4(R0) |
| 00000000 | @0x1c | nop |
| 00000000 | @0x20 | nop |
| 00000000 | @0x24 | nop |
| 00000000 | @0x28 | nop |
| 00000000 | @0x2c | nop |