Guiao2 Prático de AC1

Ex1 b)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **$t0** | **$t1** | **$t2 (AND)** | **$t3 (OR)** | **$t4 (NOR)** | **$t5 (XOR)** |
| **0x1234** | **0x000F** | **0x0004** | **0x123F** | **0xFFFFEDC0** | **0x123B** |
| **0x1234** | **0xF0F0** | **0x1030** | **0xF2F4** | **0xFFFF0D0B** | **0xE2C4** |
| **0x5C1B** | **0xA3E4** | **0x0000** | **0xFFFF** | **0xFFFF0000** | **0xFFFF** |

Ex1 c)

|  |  |
| --- | --- |
| **$t0** | **$t1 (valor negado bit a bit)** |
| **0x0F1E** | 0xFFFFF0E1 |
| **0x0614** | 0xFFFFF9EB |
| **0xE543** | 0xFFFF1ABC |

Ex2 b)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **$t0** | **INM** | **$t2 (sll)** | **$t3 (srl)** | **$t4 (sra)** |
| **0x12345678** | **1** | 0x2468ACF0 | 0x091A2B3C | 0x091A2B3C |
| **0x12345678** | **4** | 0x23456780 | 0x01234567 | 0x01234567 |
| **0x12345678** | **16** | 0x56780000 | 0x00001234 | 0x00001234 |
| **862A5C1B** | **2** | 0x18a9706c | 0x218a9706 | 0xe18a9706 |
| **862A5C1B** | **4** | 0x62a5c1b0 | 0x0862a5c1 | 0xf862a5c1 |

Ex3 b)

|  |  |  |  |
| --- | --- | --- | --- |
| **Endereço** | **Valor (Ascii)** | **Endereço** | **Valor** |
| 0x1001000 | **0x41 (“A”)** | 0x1001000 | **0x20** |
| 0x1001000 | **0x43(“C”)** | 0x1001000 | **0x50 (“P”)** |
| 0x1001000 | **0x31(“1”)** | 0x1001000 | **0x00(null) 🡪carater nulo** |
| 0x1001000 | **0x20(“ “) 🡪espaço** |  |  |
| 0x1001000 | **0x13 (DC3)** |  |  |