# 测试数据说明

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **地址** | **汇编指令** | **机器指令** | | | | |
| **Op(6)** | **rs(5)** | **rt(5)** | **rd(5) / Immediate(16)** | **16进制数指令** |
| **0x00000000** | addi $1,$0,8 | 001000 | 00000 | 00001 | 0000 0000 0000 1000 | 2001 0008 |
| **0x00000004** | ori $2,$0,2 | 001101 | 00000 | 00010 | 0000 0000 0000 0010 | 3402 0002 |
| **0x00000008** | add $3,$2,$1 | 000000 | 00010 | 00001 | 00011 00000 100000 | 0041 1820 |
| **0x0000000C** | sub $5,$3,$2 | 000000 | 00011 | 00010 | 00101 00000 100011 | 0062 2823 |
| **0x00000010** | and $4,$5,$2 | 000000 | 00101 | 00010 | 00100 00000 100100 | 00A2 2024 |
| **0x00000014** | or $8,$4,$2 | 000000 | 00100 | 00010 | 01000 00000 100101 | 0082 4025 |
| **0x00000018** | sll $8,$8,1 | 000000 | 00000 | 01000 | 01000 00001 000000 | 0008 4040 |
| **0x0000001C** | **bne $8,$1,-2 （转18）** | 000101 | 01000 | 00001 | 1111 1111 1111 1110 | 1501 FFFE |
| **0x00000020** | slt $6,$2,$1 | 000000 | 00010 | 00001 | 00110 00000 101010 | 0041 302A |
| **0x00000024** | slt $7,$6,$0 | 000000 | 00110 | 00000 | 00111 00000 101010 | 00C0 382A |
| **0x00000028** | addi $7,$7,8 | 001000 | 00111 | 00111 | 0000 0000 0000 1000 | 20E7 0008 |
| **0x0000002C** | **beq $7,$1,-2 （转28）** | 000100 | 00111 | 00001 | 1111 1111 1111 1110 | 10E1 FFFE |
| **0x00000030** | sw $2,4($1) | 101011 | 00001 | 00010 | 0000 0000 0000 0100 | AC22 0004 |
| **0x00000034** | lw $9,4($1) | 100011 | 00001 | 01001 | 0000 0000 0000 0100 | 8C29 0004 |
| **0x00000038** | **bgtz $9,1 （转40）** | 000111 | 01001 | 00000 | 0000 0000 0000 0001 | 1D20 0001 |
| **0x0000003C** | halt | 111111 | 00000 | 00000 | 0000 0000 0000 0000 | FC00 0000 |
| **0x00000040** | addi $9,$0,-1 | 001000 | 00000 | 01001 | 1111 1111 1111 1111 | 2009 FFFF |
| **0x00000044** | **j 0x00000038** | 000010 | 00000 | 00000 | 0000 0000 0000 1110 | 0800 000E |