|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | OP CODE | RS | RT | RD | SHAMT | FUNC |  |  |  |
|  | OP CODE |  |  |  | | |  |  |  |
| INST# | OP CODE |  | | | | |  |  |  |
| 0 | 000001 | 00000 | 00001 | 00000 | 00000 | 001010 |  | addi $1, $0, 10 | 0x0401000A |
| 1 | 000001 | 00000 | 00010 | 00000 | 00001 | 100100 |  | addi $2, $0, 100 | 0x04020064 |
| 2 | 000000 | 00001 | 00010 | 00011 | 00000 | 000000 |  | add $3, $1, $2 | 0x00221800 |
| 3 | 000001 | 00000 | 00100 | 11111 | 11111 | 111111 |  | addi $4, $0, -1 | 0x0404FFFF |
| 4 | 000000 | 00011 | 00100 | 00100 | 00000 | 000001 |  | sub $4, $3, $4 | 0x00642001 |
| 5 | 010000 | 00101 | 00001 | 00000 | 00000 | 000000 |  | sw $1, 0($5) | 0x40A10000 |
| 6 | 010000 | 00101 | 00010 | 00000 | 00000 | 000001 |  | sw $2, 1($5) | 0x40A20001 |
| 7 | 010000 | 00101 | 00011 | 00000 | 00000 | 000010 |  | sw $3, 2($5) | 0x40A30002 |
| 8 | 010000 | 00101 | 00100 | 00000 | 00000 | 000011 |  | sw $4, 3($5) | 0x40A40003 |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |