|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Operand1 | Operand2 | Carry In | Value (2-bit binary) | Value (unsigned Decimal) |
| 0b0 | 0b0 | 0b0 | 0 | 0 |
| 0b0 | 0b0 | 0b1 | 1 | 1 |
| 0b0 | 0b1 | 0b0 | 1 | 1 |
| 0b0 | 0b1 | 0b0 | 1 | 1 |
| 0b1 | 0b0 | 0b0 | 1 | 1 |
| 0b1 | 0b0 | 0b1 | 10 | 2 |
| 0b1 | 0b1 | 0b0 | 10 | 2 |
| 0b1 | 0b1 | 0b1 | 11 | 3 |

(Table 2.1)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Operand1 | Operand2 | 5-bit Binary | Unsigned Design | Hexadecimal |
| 0b0000 | 0b0000 | 00000 | 0 | 0 |
| 0b0000 | 0b0001 | 00001 | 1 | 1 |
| 0b0000 | 0b0010 | 00010 | 2 | 2 |
| 0b0000 | 0b0011 | 00011 | 3 | 3 |
| 0b0000 | 0b0100 | 00100 | 4 | 4 |
| 0b0000 | 0b0101 | 00101 | 5 | 5 |
| 0b1000 | 0b0000 | 01000 | 8 | 8 |
| 0b1000 | 0b0010 | 01010 | 10 | a |
| 0b1000 | 0b0011 | 01011 | 11 | b |
| 0b1111 | 0b0011 | 10010 | 18 | 12 |
| 0b1111 | 0b1000 | 10111 | 23 | 17 |
| 0b1111 | 0b1010 | 11001 | 25 | 19 |
| 0b1111 | 0b1011 | 11010 | 26 | 1a |

(Table 2.2)