|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Operation | AluOp | Src1 | Src2 | Out | WeCarry | WeZero | WeNeg | CF | ZF | NF |
| Add | 000 | Src1 | Src2 | out | 1 | 1 | 1 | C | Z | N |
| Inc | 001 | Src1 | 1 | out | 1 | 1 | 1 | C | Z | N |
| Dec | 010 | Src1 | 1 | out | 1 | 1 | 1 | C | Z | N |
| Sub | 011 | Src1 | Src2 | out | 1 | 1 | 1 | C | Z | N |
| Mov | 100 | Src1 | x | Src1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Not | 101 | Src1 | x | out | 0 | 1 | 1 | 0 | Z | N |
| And | 110 | Src1 | Src2 | out | 0 | 1 | 1 | 0 | Z | N |
| OR | 111 | Src1 | Src2 | out | 0 | 1 | 1 | 0 | Z | N |