|  |  |  |
| --- | --- | --- |
| A1 A0 | B1 B0 | G L E |
| 00 | 00 | 010 |
| 00 | 01 | 001 |
| 01 | 00 | 100 |
| 00 | 10 | 001 |
| 10 | 00 | 100 |
| 01 | 01 | 010 |
| 01 | 10 | 001 |
| 10 | 01 | 100 |
| 10 | 10 | 010 |
| 10 | 11 | 001 |
| 11 | 10 | 100 |
| 11 | 11 | 010 |

1-bit

G-AB’

E-AB+A’B’

L-A’B

2-bit

G = G1+E1G0

E = E1E2

L = L1+E1L0