|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 0 | 0 | 1 | 1 |
| 01 | 1 | 1 | 0 | 1 |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

a: ~b2 b1 + b2 ~b1 + b2 ~b0 + b3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 1 | 0 | 0 | 0 |
| 01 | 1 | 1 | 0 | 1 |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

b: ~b1 b0 + b2 ~b1 + b2 ~b0 + b3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 1 | 0 | 1 | 1 |
| 01 | 0 | 1 | 1 | 0 |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

c: ~b2 ~b0 + ~b2 b1 + b2 b0 + b3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 1 | 1 | 1 | 1 |
| 01 | 1 | 0 | 1 | 0 |
| 11 | 0 | 0 | 0 | 0 |
| 10 | 1 | 1 | 0 | 0 |

d: ~b3 ~b2 + ~b3 ~b1 ~b0 + ~b2 ~b1 + ~b3 b1 b0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 1 | 0 | 0 | 1 |
| 01 | 0 | 0 | 0 | 1 |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 1 | 0 | 1 | 1 |

e: ~b2 ~b0 + b1 ~b0 + b3 b1 + b3 b2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 1 | 0 | 1 | 1 |
| 01 | 0 | 1 | 0 | 1 |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

f: ~b2 ~b0 + ~b2 b1 + b1 ~b0 + b2 ~b1 b0 + b3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 1 | 1 | 1 | 0 |
| 01 | 1 | 1 | 1 | 1 |
| 11 | 0 | 0 | 0 | 0 |
| 10 | 1 | 1 | 0 | 0 |

g: ~b2 ~b1 + ~b3 b0 + ~b3 b2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| b3b2\b1b0 | 00 | 01 | 11 | 10 |
| 00 | 0 | 0 | 0 | 0 |
| 01 | 0 | 0 | 0 | 0 |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 0 | 0 | 1 | 1 |

h: b3 b1 + b3 b2