|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | X1 | X2 | X3 | X4 | A | B | C | D | E | F | G |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 4 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 5 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 6 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 10a | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 11b | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 12c | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 13d | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 14e | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 15f | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | 00 | 01 | 11 | 10 |
| 00 | 0 | 1 | 0 | 0 |
| 01 | 1 | 0 | 0 | 1 |
| 11 | 0 | 1 | 0 | 0 |
| 10 | 0 | 0 | 1 | 0 |

X1’X2’X3’X4+X1X2X3’X4+X1X2’X3X4+X1’X2X4’

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| B | 00 | 01 | 11 | 10 |
| 00 | 0 | 0 | 0 | 0 |
| 01 | 0 | 1 | 0 | 1 |
| 11 | 1 | 0 | 1 | 1 |
| 10 | 0 | 0 | 1 | 0 |

X1X2X3’X4’+X1’X2X3’X4+X1X3X4+X2X3X4’

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| C | 00 | 01 | 11 | 10 |
| 00 | 0 | 0 | 0 | 1 |
| 01 | 0 | 0 | 0 | 0 |
| 11 | 1 | 0 | 1 | 1 |
| 10 | 0 | 0 | 0 | 0 |

X1’X2’X3X4’+X1X2X3’X4’+X1X2X3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| D | 00 | 01 | 11 | 10 |
| 00 | 0 | 1 | 0 | 0 |
| 01 | 1 | 0 | 1 | 0 |
| 11 | 0 | 0 | 1 | 0 |
| 10 | 0 | 1 | 0 | 1 |

X1X2’X3X4’+X1’X2X3’X4’+X2’X3’X4+X2X3X4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| E | 00 | 01 | 11 | 10 |
| 00 | 0 | 1 | 1 | 0 |
| 01 | 1 | 1 | 1 | 0 |
| 11 | 0 | 0 | 0 | 0 |
| 10 | 0 | 1 | 0 | 0 |

X1’X3’X4+X1’X3X4+X1’X2X3’X4’+X1X2’X3’X4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| F | 00 | 01 | 11 | 10 |
| 00 | 0 | 1 | 1 | 1 |
| 01 | 0 | 0 | 1 | 0 |
| 11 | 0 | 1 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 |

X1’X2’X3’X4+X1X2X3’X4+X1’X3X4+X1’X2’X3X4’

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| G | 00 | 01 | 11 | 10 |
| 00 | 1 | 1 | 0 | 0 |
| 01 | 0 | 0 | 1 | 0 |
| 11 | 1 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 |

X1’X2’X3’+X1’X2X3X4+X1X2X3’X4’

