1. E (A, B, C) = ∑m (0, 3, 5, 6)
2. F (A, B, C) = ∏M (3, 4, 6)
3. G (A, B, C) = ∏M (0, 3, 5, 6)
4. H (A, B, C) = ∏M (5, 6)
5. I (A, B, C) = ∑m (0, 1, 2, 4, 7)
6. J (A, B, C) = ∏M (2, 4, 7)
7. K (W, X, Y, Z) = ∑m (1, 2, 5, 6, 9, 10, 13, 14)
8. L (W, X, Y, Z) = ∏M (1, 2, 5, 6, 9, 10, 13, 14)
9. M (W, X, Y, Z) = ∑m (0, 1, 2, 3, 12, 14, 15)
10. N (W, X, Y, Z) = ∑m (0, 2, 4 5, 6, 7, 8, 10, 12, 13, 14, 15)
11. (W, X, Y, Z) = ∑m (0, 1, 4, 10, 11, 14)
12. P (W, X, Y, Z) = ∑m (0, 1, 5, 7, 11, 15)
13. Q (W, X, Y, Z) = ∑m (0, 1, 4, 5, 10, 11, 14, 15)
14. R (W, X, Y, Z) = ∑m (2, 3, 6, 7, 8, 9, 12, 13)
15. S (W, X, Y, Z) = ∑m (1, 4, 5, 6, 8, 9, 10, 12, 13, 14)
16. 1

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

A'B'C' + A'BC + AB'C + ABC'

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

A'BC + AC'

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

A'B'C' + ABC' + AB'C + A'BC

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

ABC' + AB'C

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

ABC + B'C' + A'C' + A'B'

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

AB'C' + A'BC' + ABC

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 |  | 1 |  | 1 |
|  | 01 |  | 1 |  | 1 |
|  | 11 |  | 1 |  | 1 |
|  | 10 |  | 1 |  | 1 |

CD' + C'D

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 |  | 1 |  | 1 |
|  | 01 |  | 1 |  | 1 |
|  | 11 |  | 1 |  | 1 |
|  | 10 |  | 1 |  | 1 |

CD' + C'D

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 | 1 | 1 | 1 | 1 |
|  | 01 |  |  |  |  |
|  | 11 | 1 |  | 1 | 1 |
|  | 10 |  |  |  |  |

ABD' + ABC + A'B'

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 | 1 |  |  | 1 |
|  | 01 | 1 | 1 | 1 | 1 |
|  | 11 | 1 | 1 | 1 | 1 |
|  | 10 | 1 |  |  | 1 |

D' + B

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 | 1 | 1 |  |  |
|  | 01 | 1 |  |  |  |
|  | 11 |  |  |  | 1 |
|  | 10 |  |  | 1 | 1 |

A'C'D' + A'B'C' + ACD' + AB'C

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 | 1 | 1 |  |  |
|  | 01 |  | 1 | 1 |  |
|  | 11 |  |  | 1 |  |
|  | 10 |  |  | 1 |  |

A'B'C' + A'BD + ACD

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 | 1 | 1 |  |  |
|  | 01 | 1 | 1 |  |  |
|  | 11 |  |  | 1 | 1 |
|  | 10 |  |  | 1 | 1 |

A'C' + AC

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 |  |  | 1 | 1 |
|  | 01 |  |  | 1 | 1 |
|  | 11 | 1 | 1 |  |  |
|  | 10 | 1 | 1 |  |  |

AC' + A'C

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CD | 00 | 01 | 11 | 10 |
| AB | 00 |  | 1 |  |  |
|  | 01 | 1 | 1 |  | 1 |
|  | 11 | 1 | 1 |  | 1 |
|  | 10 | 1 | 1 |  | 1 |

AD' + AC' + BD' + BC' + C'D