Jordan Secret

Electronics

F = X + XYZ

|  |  |  |  |
| --- | --- | --- | --- |
| X | Y | Z | F |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |

F = XYZ’

|  |  |  |  |
| --- | --- | --- | --- |
| X | Y | Z | F |
| 1 | 0 | 1 | 0 |
| 0 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 |

F = X + Y’Z

|  |  |  |  |
| --- | --- | --- | --- |
| X | Y | Z | F |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 |

F = X’Y’Z + X’YZ + XY’

|  |  |  |  |
| --- | --- | --- | --- |
| X | Y | Z | F |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 |

F = XY’ + X’Z

|  |  |  |  |
| --- | --- | --- | --- |
| X | Y | Z | F |
| 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 |