1. f(x, y, z, t) = xy’ + xyz + x’y’z’ + x’yzt’

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| xy\zt | 00 | 01 | 11 | 10 |
| 00 | 1 | 1 |  |  |
| 01 |  |  |  |  |
| 11 |  |  | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| xy\zt | 00 | 01 | 11 | 10 |
| 00 | 1 | 1 | 0 | 0 |
| 01 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

f(x, y, z, t) =

1. f(x, y, z) = (0, 2, 4, 5, 6)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x\yz | 00 | 01 | 11 | 10 |
| 0 | 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 0 | 1 |

f(x, y, z)=z’+xy’

1. f(w, x, y, z) = (0,1,2,4,5,6,8,9,12,13,14)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| wx\yz | 00 | 01 | 11 | 10 |
| 00 | 1 | 1 | 0 | 1 |
| 01 | 1 | 1 | 0 | 1 |
| 11 | 1 | 1 | 0 | 1 |
| 10 | 1 | 1 | 0 | 0 |

(w, x, y, z) =y’+w’z’+xz’