|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Inputs |  |  |  |  | Outputs |  |  |  |  |
| X | Y | Z | D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

D7= X’Y’Z’

D6= X’Y’Z

D5= X’YZ’

D4= X’YZ

D3= XY’Z’

D2= XY’Z

D1= XYZ’

D0= XYZ

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Y’Z’ | Y’Z | YZ | YZ’ |
| X’ | D7 | D6 | D4 | D5 |
| X | D3 | D2 | D0 | D1 |