PS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 = 0 | 3 = 2 | 6 = 5 | 9 = 13 | 12 = 10 |
| 1 = 1 | 4 = 6 | 7 = 4 | 10 = 15 | 13 = 11 |
| 2 = 3 | 5 = 7 | 8 = 12 | 11 = 14 | 14 = 9 |
| | | | | 15 = 8 |

$P = \Sigma_4(0,1,2,3)$

$S = \Sigma_4(4,5,6,7)$

$T = \Sigma_4(8,9,10,11)$

$C = \Sigma_4(12,13,14,15)$

| | $G_3$ | $G_2$ | $G_1$ | $G_0$ | $D_3$ | $D_2$ | $D_1$ | $D_0$ |
|---|---|---|---|---|---|---|---|---|
| P 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| P 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| P 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| P 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| S 4 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| S 5 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| S 6 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| S 7 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| T 8 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| T 9 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 |
| T 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| T 11 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 |
| C 12 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| C 13 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
| C 14 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| C 15 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |

$D_0 = \Sigma_4(1,3,5,7,9,11,13,15)$

$D_1 = \Sigma_4(2,3,6,7,10,11,14,15)$

$D_2 = \Sigma_4(4,5,6,7,12,13,14,15)$

$D_3 = \Sigma_4(8,9,10,11,12,13,14,15)$

| cd \ ab | 00 | 01 | 11 | 10 |
|---|---|---|---|---|
| 00 | 0 | 2 | 3 | 1 |
| 01 | 1 (8) | 1 (10) | 1 (11) | 1 (9) |
| 11 | 1 (12) | 1 (14) | 1 (15) | 1 (13) |
| 10 | 4 | 6 | 7 | 5 |

$D_3 = d$

$D_3 = G_3$

| cd \ ab | 00 | 01 | 11 | 10 |
|---|---|---|---|---|
| 00 | 0 | 1 (2) | 1 (3) | 1 |
| 01 | 1 (8) | 10 | 11 | 1 (9) |
| 11 | 12 | 1 (14) | 1 (15) | 13 |
| 10 | 1 (4) | 6 | 7 | 1 (5) |

$D_1 = \bar{G}_3\bar{G}_2G_1 + G_3\bar{G}_2\bar{G}_1 + G_3G_2G_1 + \bar{G}_3G_2\bar{G}_1$

| cd \ ab | 00 | 01 | 11 | 10 |
|---|---|---|---|---|
| 00 | 0 | 1 (2) | 1 (3) | 1 |
| 01 | 1 (8) | 10 | 11 | 1 (9) |
| 11 | 12 | 1 (14) | 1 (15) | 13 |
| 10 | 1 (4) | 6 | 7 | 1 (5) |

$D_2 = G_3\bar{G}_2 + \bar{G}_3G_2$

| cd \ ab | 00 | 01 | 11 | 10 |
|---|---|---|---|---|
| 00 | 0 | 1 (4) | 3 | 1 (2) |
| 01 | 1 (8) | 10 | 1 (11) | 9 |
| 11 | 12 | 1 (14) | 15 | 1 (13) |
| 10 | 1 (4) | 6 | 1 (7) | 5 |

$$D_0 = \bar{G}_3\bar{G}_2G_1\bar{G}_0 + \bar{G}_3\bar{G}_2\bar{G}_1G_0 + G_3\bar{G}_2\bar{G}_1\bar{G}_0 + G_3\bar{G}_2G_1G_0 + G_3G_2G_1\bar{G}_0 + G_3G_2\bar{G}_1G_0 +$$
$$+ \bar{G}_3G_2\bar{G}_1\bar{G}_0 + \bar{G}_3G_2G_1G_0.$$