

$$1. s_6 = \bar{d}_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_2 d_3 + \bar{d}_1 d_2 \bar{d}_3 + d_1 d_2 \bar{d}_3$$

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 d_3$	$d_2 \bar{d}_3$
\bar{d}_1	1	0	1	1
d_1	1	0	0	0

$$s_6 = \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_2$$

$$2. s_5 = \bar{d}_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 \bar{d}_2 d_3 + \bar{d}_1 d_2 \bar{d}_3 + \bar{d}_1 d_2 d_3$$

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 d_3$	$d_2 \bar{d}_3$
\bar{d}_1	1	1	1	1
d_1	0	0	0	0

$$s_5 = \bar{d}_1$$

$$3. s_4 = d_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 \bar{d}_2 d_3 + \bar{d}_1 d_2 \bar{d}_3$$

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 d_3$	$d_2 \bar{d}_3$
\bar{d}_1	0	1	1	1
d_1	1	0	0	0

$$s_4 = d_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_3 + \bar{d}_1 d_2$$

$$4. s_3 = \bar{d}_1 \cdot \bar{d}_2 \cdot \bar{d}_3$$

No need simplify

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 d_3$	$d_2 \bar{d}_3$
\bar{d}_1	1	0	0	0
d_1	0	0	0	0

$$5. s_2 = \bar{d}_1 \bar{d}_2 \bar{d}_3 + d_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_2 d_3$$

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 d_3$	$d_2 \bar{d}_3$
\bar{d}_1	1	0	1	0
d_1	1	0	0	0

$$s_2 = \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_2 d_3$$

$$6. s_1 = \bar{d}_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_2 d_3$$

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 \bar{d}_3$	$d_2 d_3$
\bar{d}_1	1	0	1	0
d_1	0	0	0	0

$$s_1 = \bar{d}_1 \bar{d}_2 \bar{d}_3 + \bar{d}_1 d_2 d_3$$

$$7. s_0 = \bar{d}_1 d_2 d_3 + d_1 d_2 \bar{d}_3$$

	$\bar{d}_2 \bar{d}_3$	$\bar{d}_2 d_3$	$d_2 \bar{d}_3$	$d_2 d_3$
\bar{d}_1	0	0	1	1
d_1	0	0	0	0

$$s_0 = \bar{d}_1 d_2$$