

$x_2 \ x_1$

| | | | | | | | | |
|-------|---|---|---|---|---|---|-----|---|
| | | | | | | | S3 | |
| | | | | | | | S2 | |
| | | | | | | | S'1 | |
| D_1 | 0 | 1 | - | 0 | 0 | - | 1 | 0 |
| | 0 | 1 | - | 0 | 1 | - | 0 | 0 |
| | - | - | - | - | - | - | - | - |
| | 0 | 0 | - | 0 | 0 | - | 0 | 1 |

$$D_1 = S'_1 \bar{x}_1 \bar{x}_2 + \bar{S}'_1 S'_2 \bar{x}_2 + S'_1 \bar{S}'_3 x_1 + S'_2 S'_3 x_1 + \bar{S}'_1 \bar{S}'_2 S'_3 x_2$$

$x_2 \ x_1$

| | | | | | | | | |
|-------|---|---|---|---|---|---|-----|---|
| | | | | | | | S3 | |
| | | | | | | | S2 | |
| | | | | | | | S'1 | |
| D_2 | 0 | 0 | - | 1 | 1 | - | 0 | 0 |
| | 1 | 0 | - | 1 | 0 | - | 0 | 0 |
| | - | - | - | - | - | - | - | - |
| | 0 | 0 | - | 1 | 0 | - | 0 | 0 |

$$D_2 = S'_2 \bar{S}'_3 + S'_2 \bar{x}_1 x_2 + \bar{S}'_1 \bar{S}'_3 x_1$$

$x_2 \ x_1$

| | | | | | | | | |
|-------|---|---|---|---|---|---|-----|---|
| | | | | | | | S3 | |
| | | | | | | | S2 | |
| | | | | | | | S'1 | |
| D_3 | 0 | 0 | - | 0 | 1 | - | 1 | 1 |
| | 0 | 0 | - | 1 | 1 | - | 1 | 1 |
| | - | - | - | - | - | - | - | - |
| | 1 | 0 | - | 0 | 0 | - | 0 | 0 |

$$D_3 = S'_3 \bar{x}_2 + S'_2 x_1 + S'_3 x_1 + \bar{S}'_1 \bar{S}'_2 \bar{S}'_3 x_2$$

S3
S2

S1

| | | | | |
|-------|---|---|---|---|
| Y_1 | 0 | 1 | 1 | 0 |
| | 0 | - | - | 0 |

$$Y_1 = S_2$$

S3
S2

S1

| | | | | |
|-------|---|---|---|---|
| Y_2 | 0 | 0 | 0 | 1 |
| | 1 | - | - | 0 |

$$Y_2 = S_1 \bar{S}_3 + \bar{S}_1 \bar{S}_2 S_3$$