

| entodes | U_2 | U_1 | U_0 |
|---------|-------|-------|-------|
| GP | 0 | 0 | 0 |
| GB | 0 | 0 | 1 |
| PA | 0 | 1 | 0 |
| H_1 | 0 | 1 | 1 |
| H_2 | 1 | 0 | 0 |
| H_3 | 1 | 0 | 1 |
| H_4 | 1 | 1 | 0 |
| H_5 | 1 | 1 | 1 |

| | | | |
|---|---|---|---|
| 0 | 1 | X | X |
| X | X | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 |

[illegible]

K_1

| | | | |
|---|---|--------------|---|
| X | X | 1 | 0 |
| X | X | 1 | 0 |
| X | X | 1 | 0 |
| X | X | 1 | 0 |

| | | | |
|---|---|---|---|
| X | X | 1 | 1 |
| X | X | 1 | 0 |
| X | X | 1 | 0 |
| X | X | 1 | 1 |

$$S = S_1 \bar{Q}_2 + Q_0$$

f_0

| | | | |
|---|---|--------------|--------------|
| 0 | X | X | 0 |
| 0 | X | X | 0 |
| 0 | X | X | 0 |
| 1 | X | X | 0 |

| | | | |
|---|---|---|---|
| 0 | X | X | 1 |
| 0 | X | X | 0 |
| 0 | X | X | 0 |
| 0 | X | X | 1 |

$$S = \bar{S}_1 S_2 \bar{Q}_2 \bar{Q}_1 + S_1 \bar{Q}_2 Q_1$$

K_0

| | | | |
|---|---|---|---|
| X | 1 | 0 | X |
| X | 1 | 1 | X |
| X | 1 | 1 | X |
| X | 0 | 0 | X |

| | | | |
|---|---|---|---|
| X | 0 | 0 | X |
| X | 1 | 1 | X |
| X | 1 | 1 | X |
| X | 0 | 0 | X |

$$S = \bar{S}_1 \bar{S}_2 \bar{Q}_1 + Q_2$$

$$S = S_1 \bar{a}_2 a_0 + \bar{S}_1 \bar{a}_0 + a_2 \bar{a}_0$$

| | | | |
|---|---|---|---|
| X | X | 1 | 0 |
| X | X | 0 | 1 |
| X | X | 0 | 1 |
| X | X | 1 | 0 |

| | | | |
|---|---|---|---|
| X | X | 0 | 1 |
| X | X | 0 | 1 |
| X | X | 0 | 1 |
| X | X | 0 | 1 |

$$\bar{F} = S$$

| | | | |
|---|---|---|---|
| X | X | X | X |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| X | X | X | X |

| | | | |
|---|---|---|---|
| X | X | X | X |
| 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 |
| X | X | X | X |

$$S = \bar{S}_1 \bar{S}_2 a_2 + S_1 \bar{a}_0 + S_1 a_1 \bar{a}_0$$

| | | | |
|---|---|---|---|
| 1 | 0 | 1 | 0 |
| X | X | X | X |
| X | X | X | X |
| 1 | 0 | 1 | 0 |

| | | | |
|-------------|-------------|-------------|-------------|
| \bar{a}_0 | \bar{a}_0 | \bar{a}_0 | \bar{a}_0 |
| 0 | 0 | 0 | 0 |
| X | X | X | X |
| X | X | X | X |
| 0 | 0 | 1 | 1 |
| \bar{a}_1 | \bar{a}_1 | \bar{a}_1 | \bar{a}_1 |