

$Q_0B$ 

00    01    11    10

	0	0	0	1	1
$Q_1$	1	0	1	0	0

$$D_1 = Q'_1 Q_0 + Q_1 Q'_0 B$$

 $Q_0B$ 

00    01    11    10

	0	0	1	0	0
$Q_1$	1	0	0	0	0

$$D_0 = Q'_1 Q'_0 B$$

 $Q_0B$ 

00    01    11    10

	0	1	0	0
$Q_1$	1	0	0	0

$$S = Q'_1 Q'_0 B$$