mapping $\quad x2 = s_1 \quad x1 = s_0$

2 vars

sh

Nr	x2	x1	y
0	0	0	0
1	0	1	1
2	1	0	0
3	1	1	X

y:

	x2	x2'
x1	X	1
x1'		

$\rightarrow y = s_0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	
1	0	0	1	
2	0	1	0	
3	0	1	1	
4	1	0	0	
5	1	0	1	
6	1	1	0	
7	1	1	1	

y:

	x3			x3'
x2				
x2'				
	x1'	x1		x1'

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

y:

	x4			x4'	
x3					x1'
					x1
x3'					x1'
	x2'	x2		x2'	

Nfachfreqteil $S0$
binär

mapping $x2 = S_1$ $x1 = S_0$

2 vars

Nr	x2	x1	y
0	0	0	1
1	0	1	0
2	1	0	0
3	1	1	X

y:

	x2	x2'
x1	X	
x1'		①

— $x2' x1'$

$\Rightarrow S_0' = !S_1 !S_0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	
1	0	0	1	
2	0	1	0	
3	0	1	1	
4	1	0	0	
5	1	0	1	
6	1	1	0	
7	1	1	1	

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

mapping $x2 = S_1$, $x1 = S_0$

2 vars

Nr	x2	x1	y
0	0	0	1
1	0	1	0
2	1	0	0
3	1	1	X

y:

	x2	x2'
x1	X	
x1'		①

— $x2' x1'$

$\rightarrow\ y = !S_1 !S_0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	
1	0	0	1	
2	0	1	0	
3	0	1	1	
4	1	0	0	
5	1	0	1	
6	1	1	0	
7	1	1	1	

y:

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

y:

2 vars

Nr	x2	x1	y
0	0	0	
1	0	1	
2	1	0	
3	1	1	

y:

	x2	x2'
x1		
x1'		

mapping $x3 = S'_2$, $x2 = S_1$, $x1 = S_0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	X
1	0	0	1	0
2	0	1	0	1
3	0	1	1	X
4	1	0	0	0
5	1	0	1	X
6	1	1	0	X
7	1	1	1	X

y:

	x3			x3'
x2	X	X	X	1
x2'	0	X	0	X
	x1'	x1		x1'

$\rightarrow x^2$

$\rightarrow S'_2 = S_1$

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

y:

	x4			x4'	
x3					x1'
					x1
x3'					x1'
	x2'	x2		x2'	

2 vars

Nr	x2	x1	y
0	0	0	
1	0	1	
2	1	0	
3	1	1	

y:

	x2	x2'
x1		
x1'		

mapping $x3 = s_2$, $x2 = s_1$, $x1 = s_0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	X
1	0	0	1	1
2	0	1	0	0
3	0	1	1	X
4	1	0	0	0
5	1	0	1	X
6	1	1	0	X
7	1	1	1	X

y:

	x3			x3'
x2	X	X	X	0
x2'	0	X	1	X
	x1'	x1		x1'

$x_1\ x_1$

$\rightarrow s'_1 = s_0 \cdot s_0$

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

y:

	x4			x4'	
x3					x1'
					x1
x3'					x1'
	x2'	x2		x2'	

2 vars

Nr	x2	x1	y
0	0	0	
1	0	1	
2	1	0	
3	1	1	

y:

	x2	x2'
x1		
x1'		

mapping $x3 = S2$, $x2 = S1$, $x1 = S0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	x
1	0	0	1	0
2	0	1	0	0
3	0	1	1	x
4	1	0	0	1
5	1	0	1	x
6	1	1	0	x
7	1	1	1	x

y:

	x3			x3'
x2	x	x'	x	0
x2'	1	x	0	x
	x1'	x1		x1'

$\longrightarrow x3$

$S'_0 = S_2$

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

y:

	x4			x4'	
x3					x1'
					x1
x3'					x1'
	x2'	x2		x2'	

2 vars

Nr	x2	x1	y
0	0	0	
1	0	1	
2	1	0	
3	1	1	

y:

	x2	x2'
x1		
x1'		

mapping: $x_3 = S_2$, $x_2 = S_1$, $x = S_0$

3 vars

Nr	x3	x2	x1	y
0	0	0	0	x
1	0	0	1	1
2	0	1	0	0
3	0	1	1	x
4	1	0	0	0
5	1	0	1	x
6	1	1	0	x
7	1	1	1	x

y:

	x3			x3'
x2	x	x	x	0
x2'	0	x	1	x
	x1'	x1		x1'

x_1

$\rightarrow y = S_0$

4 vars

Nr	x4	x3	x2	x1	y
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
10	1	0	1	0	
11	1	0	1	1	
12	1	1	0	0	
13	1	1	0	1	
14	1	1	1	0	
15	1	1	1	1	

y:

	x4			x4'	
x3					x1'
					x1
x3'					x1'
	x2'	x2		x2'	