

	z_1	z_2	z_3	z_4
s_0	s_1	s_2	s_3	s_4
x_0	s_2	s_0	s_4	s_0
x_1	s_3	s_1	s_3	s_1

	x
x_0	0
x_1	1

	g_1	g_2
s_0	0	0
s_1	0	1
s_2	1	0
s_3	1	1

	y_1	y_2
z_1	0	0
z_2	0	1
z_3	1	0

g_1	g_2	x	$D_1 g$		g_1	g_2	$D_1 g_1$	$D_1 g_2$	t_1	t_2
0	0	0	$s_2(0,0)$	z_3	1	0	1	0	0	0
0	0	1	$s_3(1,1)$	z_1	0	0	1	1	1	1
0	1	0	$s_0(0,0)$	z_1	0	0	0	0	0	1
0	1	1	$s_1(0,1)$	z_2	0	1	0	1	0	0
1	0	0	$s_1(0,1)$	z_2	0	1	0	1	1	1
1	0	1	$s_3(1,1)$	z_1	0	0	1	1	0	1
1	1	0	$s_0(0,0)$	z_1	0	0	0	0	1	1
1	1	1	$s_1(0,1)$	z_2	0	1	0	1	1	0

g_1	g_2	x	$D_1 g$	$D_1 g_2$
0	0	0	1	0
0	0	1	1	1
0	1	0	0	0
0	1	1	0	1
1	0	0	0	1
1	0	1	1	1
1	1	0	0	0
1	1	1	0	1

$$U_1 = \frac{1}{2} \frac{d^2 x}{dt^2}$$

$$F_1 = \frac{1}{2} \frac{d^2 x}{dt^2} \cdot X \vee \frac{d^2 x}{dt^2} \cdot X$$

x	g	$g +$	$D_1 g$
\overline{clk}	\overline{g}		
	g		
		0	0
		1	1
		1	1
		0	0

g_1	g_2	x	g_1	g_2
0	0	0	0	0
0	1	0	0	1
0	1	1	0	1
1	0	0	1	0
1	0	1	1	0
1	1	0	1	1
1	1	1	1	1

$$n_2 = (g_1 + g_2) \cdot g_1$$

$$t_1 = \frac{1}{2} \frac{d^2 x}{dt^2} \cdot g_1 \cdot x \vee \frac{1}{2} \frac{d^2 x}{dt^2} \cdot \overline{g_1} \cdot x \cdot \overline{g_2}$$

$$D_1 g_2$$

$$t_2 =$$

g_1	g_2	x
1	1	1
1	1	0

$$t_1 =$$

g_1	g_2	x
1	1	1
1	1	0

$$t_1 = g_1 \cdot \overline{g_2} \vee g_1 \cdot x \vee g_1 \cdot \overline{g_2} \cdot x$$

$$t_2 = g_1 \cdot g_2 \vee g_1 \cdot x \vee g_2 \cdot x \vee \overline{g_1} \cdot g_2 \cdot x$$

