

X3	X2	X1	X0	S2	S1	S0
0	0	0	0	1	0	0
0	0	0	1	0	1	$1 \sim x_3 \sim x_2 \sim x_1$
0	0	1	0	0	1	0
0	0	1	1	0	1	0
0	1	0	0	0	1	0
0	1	0	1	0	0	$1 \sim x_3 x_2 \sim x_1$
0	1	1	0	0	0	$1 \sim x_3 x_2 x_1 \sim$
0	1	1	1	0	0	$1 \sim x_3 x_2 x_1 x_0$
1	0	0	0	0	1	$1 x_3 \sim x_2 \sim x_1$
1	0	0	1	0	1	0
1	0	1	0	0	0	$1 x_3 \sim x_2 x_1 \sim$
1	0	1	1	0	0	$1 x_3 \sim x_2 x_1 x_0$
1	1	0	0	0	1	0
1	1	0	1	0	0	$1 x_3 x_2 \sim x_1 x_0$
1	1	1	0	0	0	$1 x_3 x_2 x_1 \sim x_0$
1	1	1	1	0	0	0

$$\sim x_3 \sim x_2 \sim x_1 x_0 + \sim x_3 x_2 \sim x_1 x_0 + \sim x_3 x_2 x_1 \sim x_0 + \sim x_3 x_2 x_1 x_0 + x_3 \sim x_2 \sim x_1 \sim x_0 +$$

$$x_3 \sim x_2 x_1 \sim x_0 + x_3 \sim x_2 x_1 x_0 + x_3 x_2 \sim x_1 x_0 + x_3 x_2 x_1 \sim x_0$$

1B

$$2 \quad \sim x_3 \sim x_1 x_0 + x_2 \sim x_1 x_0 + \sim x_3 x_2 x_1 + x_3 \sim x_2 \sim x_0 + x_3 \sim x_2 x_1 + x_3 x_1 \sim x_0$$

3 See attachment

4 Climate changes%

$\perp x0$

$x0$

$x0$

0

$\sim x0$

$x0$

0

0

0