

X3	X2	X1	X0	S2	S1	S0
0	0	0	0	1	0	0
0	0	0	1	0	1	$1 \sim x3 \sim x2 \sim x1$
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	$1 \sim x3 x2 \sim x1$
0	1	1	0	0	0	$1 \sim x3 x2 x1 \sim$
0	1	1	1	0	0	$1 \sim x3 x2 x1 x0$
1	0	0	0	0	1	$1 x3 \sim x2 \sim x1$
1	0	0	1	0	1	0
1	0	1	0	0	0	$1 x3 \sim x2 x1 \sim$
1	0	1	1	0	0	$1 x3 \sim x2 x1 x0$
1	1	0	0	0	1	0
1	1	0	1	0	0	$1 x3 x2 \sim x1 x0$
1	1	1	0	0	0	$1 x3 x2 x1 \sim x0$
1	1	1	1	0	0	0

$$\sim x3 \sim x2 \sim x1 x0 + \sim x3 x2 \sim x1 x0 + \sim x3 x2 x1 \sim x0 + \sim x3 x2 x1 x0 + x3 \sim x2 \sim x1 \sim x0 +$$

$$x3 \sim x2 x1 \sim x0 + x3 \sim x2 x1 x0 + x3 x2 \sim x1 x0 + x3 x2 x1 \sim x0$$

1B

$$2 \quad \sim x3 \sim x1 x0 + x2 \sim x1 x0 + \sim x3 x2 x1 + x3 \sim x2 \sim x0 + x3 \sim x2 x1 + x3 x1 \sim x0$$

3 See attachment

4 Climate changes%

$\perp x0$

$x0$

$x0$

0

$\sim x0$

$x0$

0

0

0

Jnathan Julian

