$$\mathbb{Z}_2[x]/< x^2 + x + 1 >$$

+	0	1	X	x + 1
0	0	1	X	x + 1
1	1	0	x + 1	X
X	X	x + 1	0	1
x + 1	x + 1	X	1	0

	0	1	X	x + 1
0	0	0	0	0
1	0	1	X	x + 1
x	0	X	x + 1	1
x + 1	0	x + 1	1	X

$$\mathbb{Z}_2[x]/< x^2 + x >$$

+	0	1	X	x + 1
0	0	1	X	x + 1
1	1	0	x + 1	X
\mathbf{x}	X	x + 1	0	1
x + 1	$\begin{array}{c c} x \\ x+1 \end{array}$	X	1	0

		0	1	X	x + 1
•	0	0	0	0	0
	1	0	$ \begin{array}{c} 0\\1\\x\\x+1\end{array} $	\mathbf{x}	x + 1
	X	0	X	\mathbf{x}	0
	x + 1	0	x + 1	0	x + 1

$$\mathbb{Z}_2[x]/< x^2+1>$$

+	0	1	X	x + 1
0	0	1	X	x + 1
1	1	0	x + 1	X
X	X	x + 1	0	1
x + 1	x + 1	X	1	0

•	0	1	X	x + 1
0	0	0	0	0
1	0	1	X	x + 1
X	0	X	1	0
x + 1	0	x + 1	0	0