

+	0	1	2	x	2x	x+1	x+2	2x+1	2x+2
0	0	1	2	x	2x	x+1	x+2	2x+1	2x+2
1	1	2	0	x+1	2x+1	x+2	x	2x+2	2x
2	2	0	1	x+2	2x+2	x	x+1	2x	2x+1
x	x	x+1	x+2	2x	0	2x+1	2x+2	1	2
2x	2x	2x+1	2x+2	0	x	1	2	x+1	x+2
x+1	x+1	x+2	x	2x+1	1	2x+2	2x	2	0
x+2	x+2	x	x+1	2x+2	2	2x	2x+1	0	1
2x+1	2x+1	2x+2	2x	1	x+1	2	0	x+2	x
2x+2	2x+2	2x	2x+1	2	x+2	0	1	x	x+1

•	0	1	2	x	2x	x+1	x+2	2x+1	2x+2
0	0	0	0	0	0	0	0	0	0
1	0	1	2	x	2x	x+1	x+2	2x+1	2x+2
2	0	2	1	2x	x	2x+2	2x+1	x+2	x+1
x	0	x	2x	2	1	x+2	2x+2	x+1	2x+1
2x	0	2x	x	1	2	2x+1	x+1	2x+2	x+2
x+1	0	x+1	2x+2	x+2	2x+1	2x	1	2	x
x+2	0	x+2	2x+1	2x+2	x+1	1	x	2x	2
2x+1	0	2x+1	x+2	x+1	2x+2	2	2x	x	1
2x+2	0	2x+2	x+1	2x+1	x+2	x	2	1	2x

$$\text{GF}(9) = \mathbb{Z}_3[x]/(x^2 + 1) = (\{0, 1, 2, x, 2x, x+1, x+2, 2x+1, 2x+2\}, +, \cdot)$$