Beispiel: $p = 3$, $\pi(x) = x^2 + 1$

$\oplus$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$
$[0]$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$
$[1]$	$[1]$	$[2]$	$[0]$	$[x+1]$	$[x+2]$	$[x]$	$[2x+1]$	$[2x+2]$	$[2x]$
$[2]$	$[2]$	$[0]$	$[1]$	$[x+2]$	$[x]$	$[x+1]$	$[2x+2]$	$[2x]$	$[2x+2]$
$[x]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$	$[0]$	$[1]$	$[2]$
$[x+1]$	$[x+1]$	$[x+2]$	$[x]$	$[2x+1]$	$[2x+2]$	$[2x]$	$[1]$	$[2]$	$[0]$
$[x+2]$	$[x+2]$	$[x]$	$[x+1]$	$[2x+2]$	$[2x]$	$[2x+1]$	$[2]$	$[0]$	$[1]$
$[2x]$	$[2x]$	$[2x+1]$	$[2x+2]$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$
$[2x+1]$	$[2x+1]$	$[2x+2]$	$[2x]$	$[1]$	$[2]$	$[0]$	$[x+1]$	$[x+2]$	$[x]$
$[2x+2]$	$[2x+2]$	$[2x]$	$[2x+1]$	$[2]$	$[0]$	$[1]$	$[x+2]$	$[x]$	$[x+1]$

$\odot$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$
$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$
$[1]$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$
$[2]$	$[0]$	$[2]$	$[1]$	$[2x]$	$[2x+2]$	$[2x+1]$	$[x]$	$[x+2]$	$[x+1]$
$[x]$	$[0]$	$[x]$	$[2x]$	$[2]$	$[x+2]$	$[2x+2]$	$[1]$	$[x+1]$	$[2x+1]$
$[x+1]$	$[0]$	$[x+1]$	$[2x+2]$	$[x+2]$	$[2x]$	$[1]$	$[2x+1]$	$[2]$	$[x]$
$[x+2]$	$[0]$	$[x+2]$	$[2x+1]$	$[2x+2]$	$[1]$	$[x]$	$[x+1]$	$[2x]$	$[2]$
$[2x]$	$[0]$	$[2x]$	$[x]$	$[1]$	$[2x+1]$	$[x+1]$	$[2]$	$[2x+2]$	$[x+2]$
$[2x+1]$	$[0]$	$[2x+1]$	$[x+2]$	$[x+1]$	$[2]$	$[2x]$	$[2x+2]$	$[x]$	$[1]$
$[2x+2]$	$[0]$	$[2x+2]$	$[x+1]$	$[2x+1]$	$[x]$	$[2]$	$[x+2]$	$[1]$	$[2x]$

Beispiel: $\mathbb{Z}_3[x] \,/\, x^2+1$

$\cdot$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$
$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$	$[0]$
$[1]$	$[0]$	$[1]$	$[2]$	$[x]$	$[x+1]$	$[x+2]$	$[2x]$	$[2x+1]$	$[2x+2]$
$[2]$	$[0]$	$[2]$	$[1]$	$[2x]$	$[2x+2]$	$[2x+1]$	$[x]$	$[x+2]$	$[x+1]$
$[x]$	$[0]$	$[x]$	$[2x]$	$[2]$	$[x+2]$	$[2x+2]$	$[1]$	$[x+1]$	$[2x+1]$
$[x+1]$	$[0]$	$[x+1]$	$[2x+2]$	$[x+2]$	$[2x]$	$[1]$	$[2x+1]$	$[2]$	$[x]$
$[x+2]$	$[0]$	$[x+2]$	$[2x+1]$	$[2x+2]$	$[1]$	$[x]$	$[x+1]$	$[2x]$	$[2]$
$[2x]$	$[0]$	$[2x]$	$[x]$	$[1]$	$[2x+1]$	$[x+1]$	$[2]$	$[2x+2]$	$[x+2]$
$[2x+1]$	$[0]$	$[2x+1]$	$[x+2]$	$[x+1]$	$[2]$	$[2x]$	$[2x+2]$	$[x]$	$[1]$
$[2x+2]$	$[0]$	$[2x+2]$	$[x+1]$	$[2x+1]$	$[x]$	$[2]$	$[x+2]$	$[1]$	$[2x]$

Primitives Element ist $[x+1]$:

$[x+1]^2 = [x+1] \cdot [x+1] = [2x]$
$[x+1]^3 = [2x] \cdot [x+1] = [2x+1]$
$[x+1]^4 = [2x+1] \cdot [x+1] = [2]$
$[x+1]^5 = [2] \cdot [x+1] = [2x+2]$

$[x+1]^6 = [2x+2] \cdot [x+1] = [x]$
$[x+1]^7 = [x] \cdot [x+1] = [x+2]$
$[x+1]^8 = [x+2] \cdot [x+1] = [1]$