## Assignment

So calculating the det

$$\Delta = \chi^3 + \chi^2 + \chi + 1 \Rightarrow (1111) = \widehat{(15)}$$

$$\mathcal{R}_{o} \equiv \frac{\mathbb{Z}_{n} [x]}{x^{2}}$$

Since x2 is not irreducible we cont diretty use results.

Note > : I take any higher power of x it will just become o-

Let P(v, +v,x) = Y(v2+ Y2x)

Ø(n) passibilities.

Now N = pq (D(N) = (p-1)(q-1) = pq-p-q+1This will form a quadratic equation which is solvable.