

NUMBER THEORY AND ALGIEBRA QUADRATIC EQUATION

$$\begin{array}{ccc}
\boxed{0} & p \equiv -1 & (\text{mod } 8) \implies p \equiv 7 & (\text{mod } 8) \\
p \equiv -3 & (\text{mod } 8) \implies p \equiv 5 & (\text{mod } 8)
\end{array}$$

By Gauss Lanna,
$$(-2) = (-1)^m$$

 $S = \begin{cases} 1.(-2), 2(-2), \\ \end{cases}$

n = P-1 - (No. of sksidure which are hoss than E)
Total mumber of exements in 15xt 8'.

$$M = P-1 + \begin{bmatrix} P \\ P \end{bmatrix}$$

$$\left(\frac{-2}{p}\right) = (-1)^{m} = -1$$







