

# Quadratic Gransbury

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**Problem 1.** The only pattern I was able to detect with the count of residues in  $\mathbb{Z} \bmod p$  is the count refers to the  $n$ th odd number  $p$  is. For example 41 is the 21st odd number.

**Problem 2.** I was not able to find any patterns with if  $-1$  was a residue for  $\mathbb{Z} \bmod p$ .