Problem of the Week
Problem E
Putting the Parts Together

Determine the number of solutions to

\[
\frac{P}{Q} - \frac{Q}{P} = \frac{P + Q}{PQ}
\]

where

- \( P \) and \( Q \) are both integers
- \(-9 \leq P \leq 9\); and
- \(-9 \leq Q \leq 9\)