For a family of sets $\{X_i\}_1^23$, consider $Y := \cup_{i=1}^23 X_i$.

Let $F : Y \to \mathbb{Z}$ be a mapping defined by

$$F(Y) := \sqrt{(\max \sharp X_1, 10)}, \qquad (1)$$

$$G(Y) := F(Y)^2. \qquad (2)$$

$$(3)$$