For a family of sets $\{X_i\}_{i=1}^{2}$, consider $Y:=\bigcup_{i=1}^{2} 3X_i$. Let $F: \mathbb{Z} \to \mathbb{R}$ be a mapping defined by $F(n) := \sqrt{(\max n. 10)}$. and define $z = F(\sharp Y)$, which is not meaningful.