Let $L$ be a language with one ternary relation $R$. We define a function called predimension on any finite structure in this language in the following way:

$$\delta(A) = |A| - |R^A|.$$ 

We also define the notion of strong (or closed) embedding for two finite structures of this language as follows: $A \leq^* B$ iff $A \subseteq B$ and for every $B'$ between $A$ and $B$ and not equal to $A$ we have:

$$\delta(A) < \delta(B').$$

The class of all finite $L$-structures (including the empty set), in which empty is closed, has the amalgamation, joint embedding, and hereditary property; hence, it has a generic model $M$ using the results of Fraise and Hrushovski.

We know that $M$ is unstable and undecidable. We will prove for this structure a quantifier elimination up to certain formulas called closure formulas. This result could also be used to answer the question of finite model property for this structure. (Received September 16, 2014)