

Esercizio 1. Prove that the following are equivalent

1. T has weak elimination of imaginaries;
2. for $\forall \in \mathcal{U}^{\text{eq}}$, there is a smallest set $A = \text{acl} A \subseteq \mathcal{U}$ such that $\forall \in \text{dcl}^{\text{eq}} A$;
3. for $a, b \in \mathcal{U}$, if $\forall \in \text{dcl}^{\text{eq}}(a) \cap \text{dcl}^{\text{eq}}(b)$ then $\forall \in \text{dcl}^{\text{eq}}(\text{acl} a \cap \text{acl} b)$.

Esercizio 2. manca