Esercizio 1. Prove that the following are equivalent

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

Esercizio 2. manca