

Malliteoria

Harjoitus 7

1. Suppose \mathcal{A} and \mathcal{B} are models, $A \subseteq \mathcal{A}$, p is a type over A and $f : \mathcal{A} \rightarrow \mathcal{B}$ is a partial elementary map such that $A \subseteq \text{dom}(f)$. Show that p is consistent (in \mathcal{A}) iff $f(p) = \{\phi(x, f(a)) \mid \phi(x, a) \in p\}$ is consistent (in \mathcal{B}).

2. Prove Lemma 8.6 (assuming $\kappa \geq \omega$).

3. Prove the claim in Example 8.10.

4. Exercise 8.13.