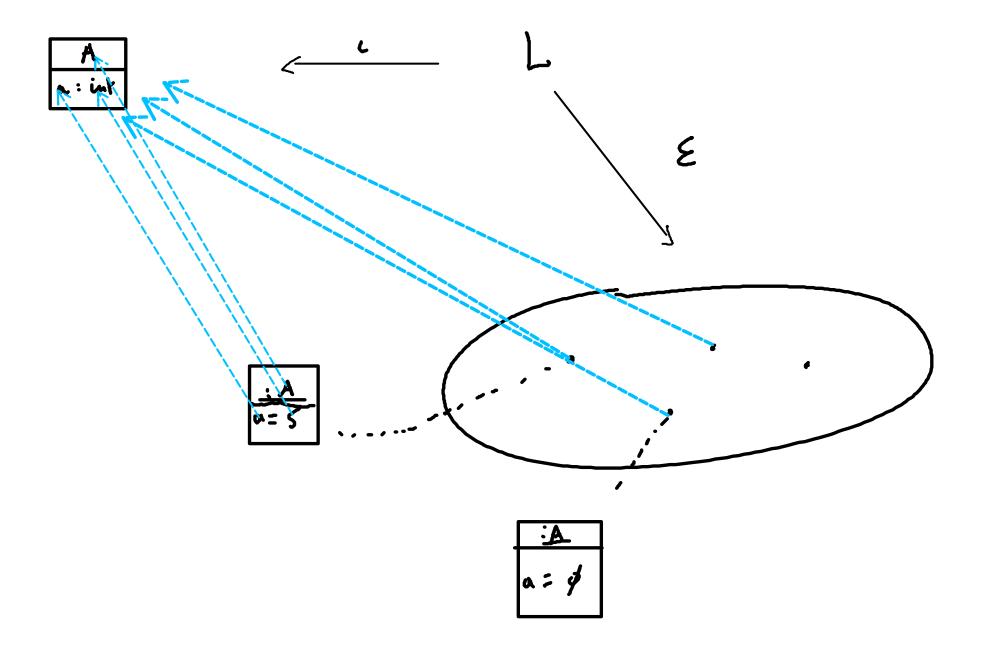
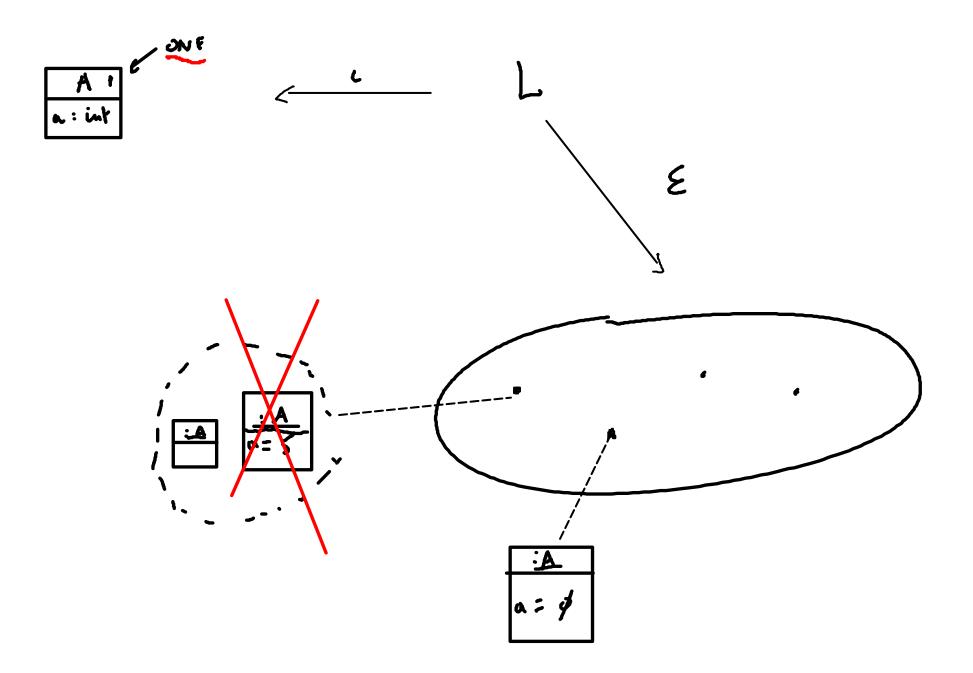
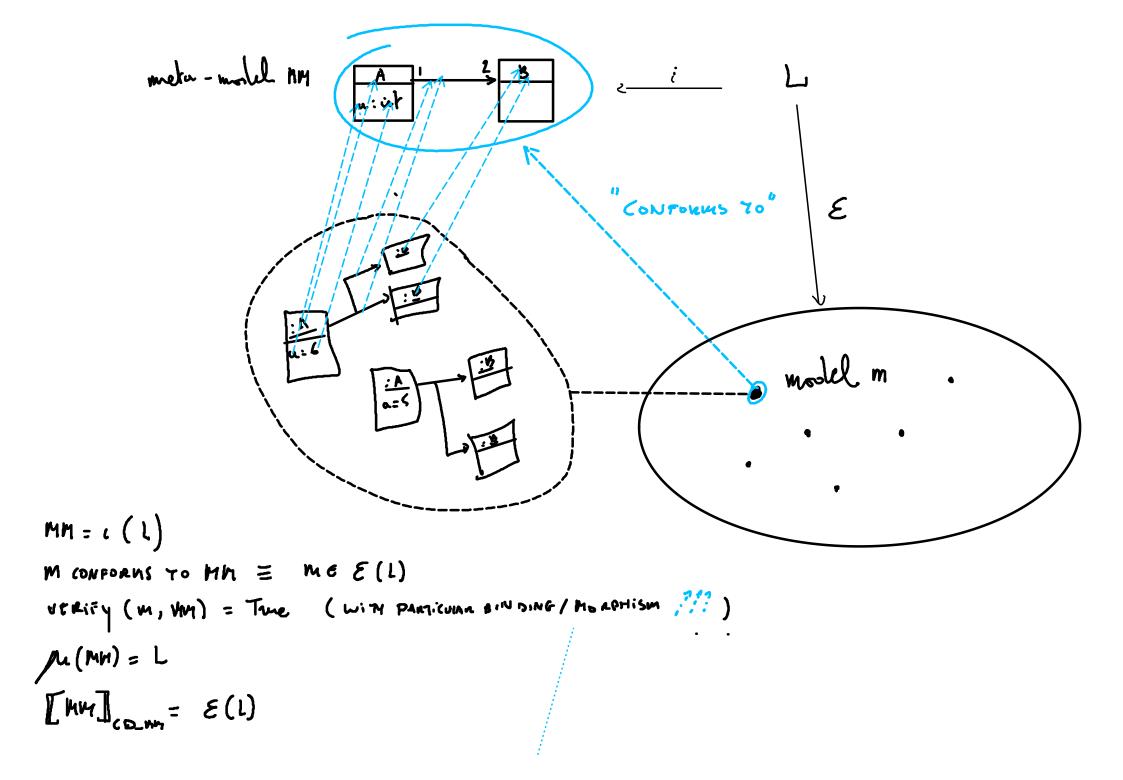


 $l(l_2) <: l(l_2) \Leftrightarrow \ell(l_2) \subseteq \ell(l_2)$

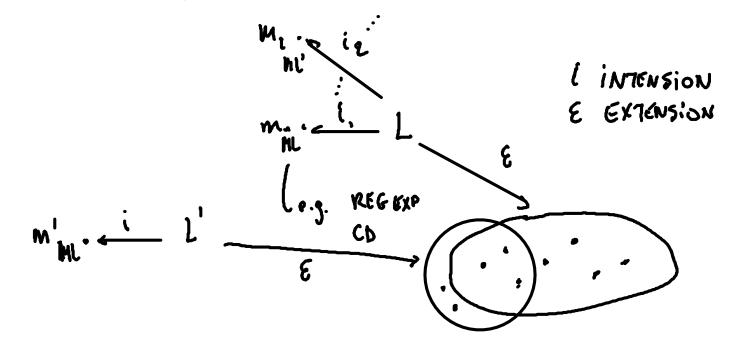




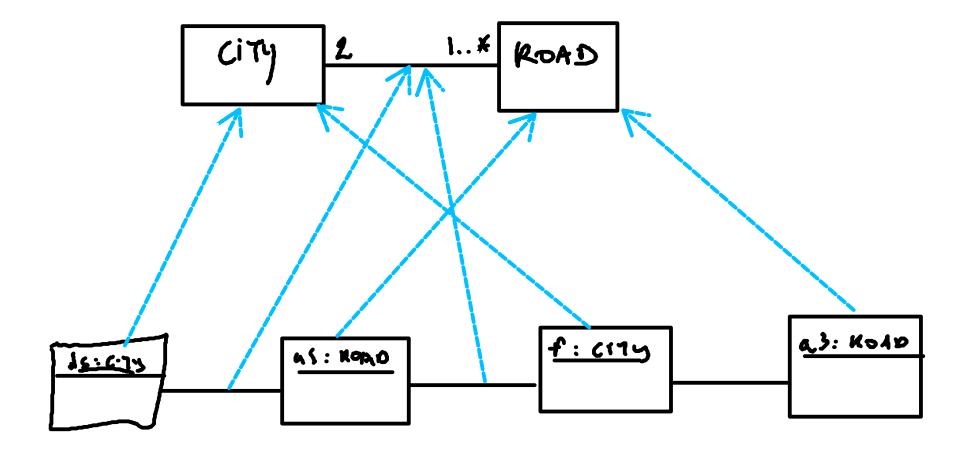


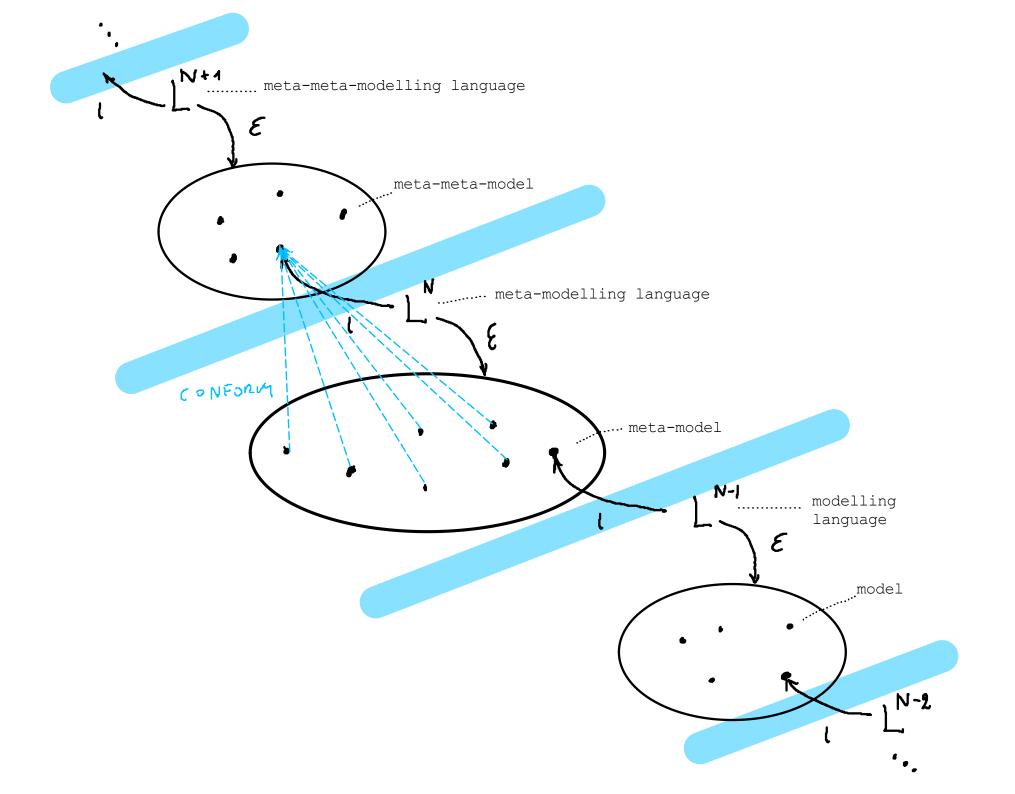
note that there may be different (types of)
conforms_to relationships:
name-based (also known as nominal), structure based, ...

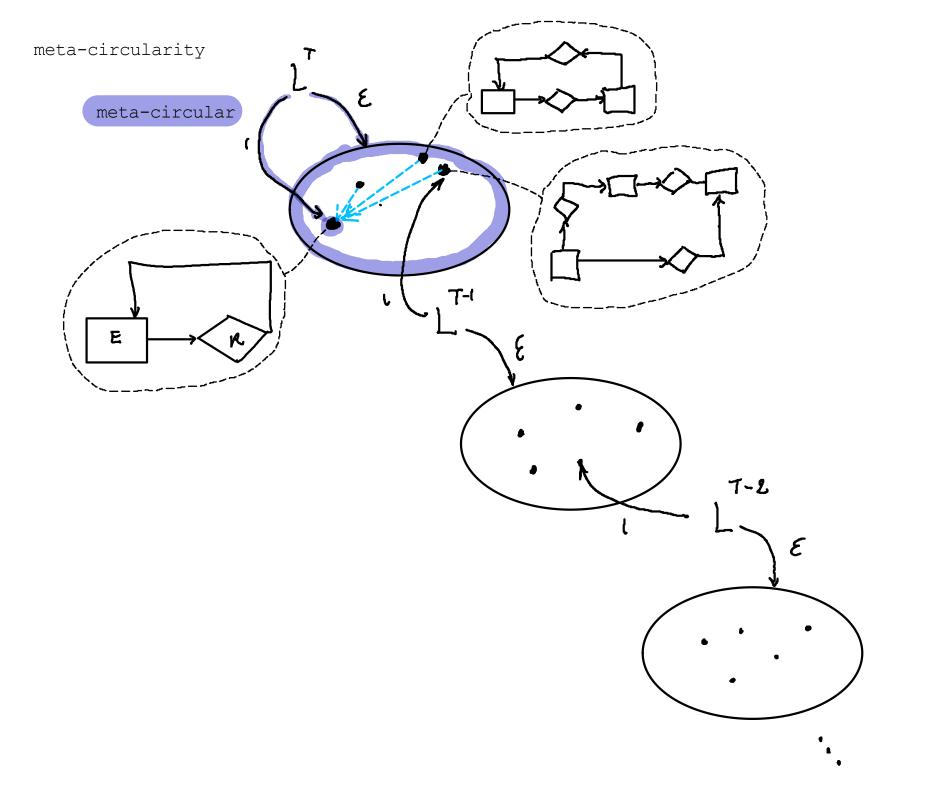
a single language may have multiple intensional descriptions

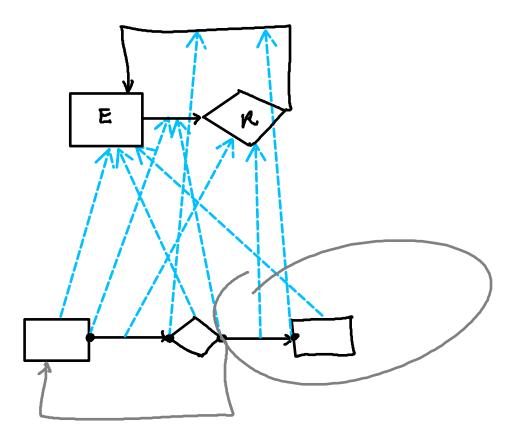


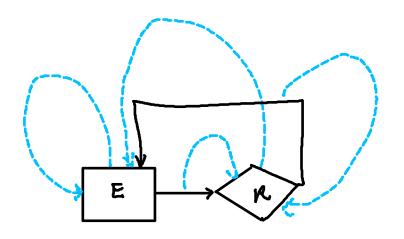
languages may (partially) overlap











Entity Relationship Diagram (ERD)

can be used as the MMMCL Meta-Model at the Meta-Circular Level

MMMCL can be used to "bootstrap" a meta-modelling infrastructure. e.g., Node and Edge in metaDepth Bounded Exploration (of a language defined through a meta-model)

http://alloytools.org/ Daniel Jackson @ MIT

