

$$x \in \exists R.C \iff \exists y : R(x,y)$$

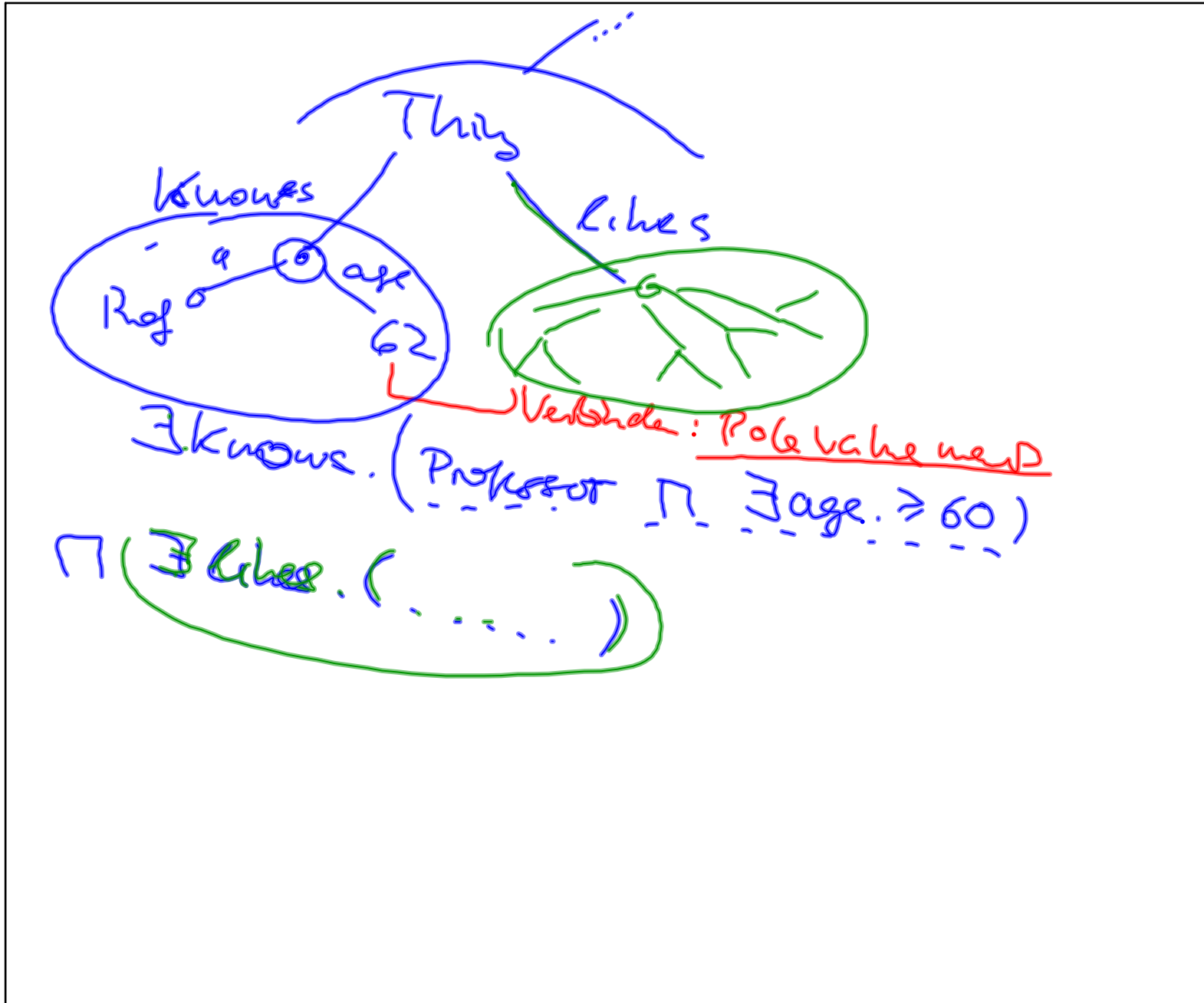
↖ Klasse

$$x \in R.y \iff R(x,y)$$

← TBox
↑ Nominal

Individuen
eigentlich in der A-Box

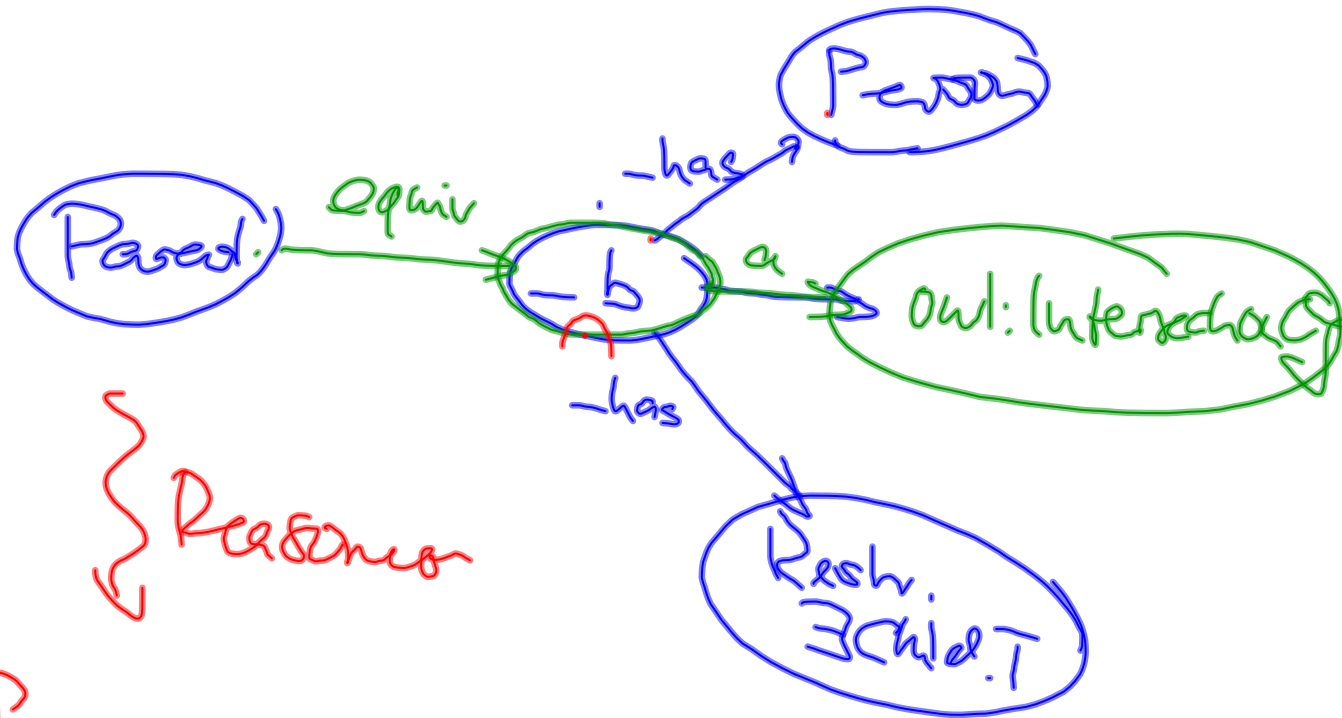
Berlin ∈ islands.Germany
|||
German Cities



has parent rdfs:range Person.

Q: $T \sqsubseteq \forall \text{parent. Person}$

\leadsto Restriction: T subclassOf
 [a Restriction;
 on Prop parent;
 allValuesFrom Person].



$$\text{Parent} \equiv \text{Person} \sqcap \text{Exist.}$$

Person owl:unionOf (:Male :Female).