$Union1 \equiv A \sqcup B$

$CompA \equiv \neg A$

$CompB \equiv \neg B$

$Union2 \equiv \neg(\neg A \sqcap \neg B)$

$\equiv$

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$C1 \equiv A \sqcap B$

$C2 \sqsubseteq A$

$C2 \sqsubseteq B$

$\Rightarrow x \in C2 \rightsquigarrow x \in A$, $x \in B \rightsquigarrow x \in A \sqcap B$

$C2 \sqsubseteq A \sqcap B \equiv C_2$

But maybe there exist $y : y \in A \sqcap B$ $y \in C_1$

$y \notin C_2$. $\lightning$

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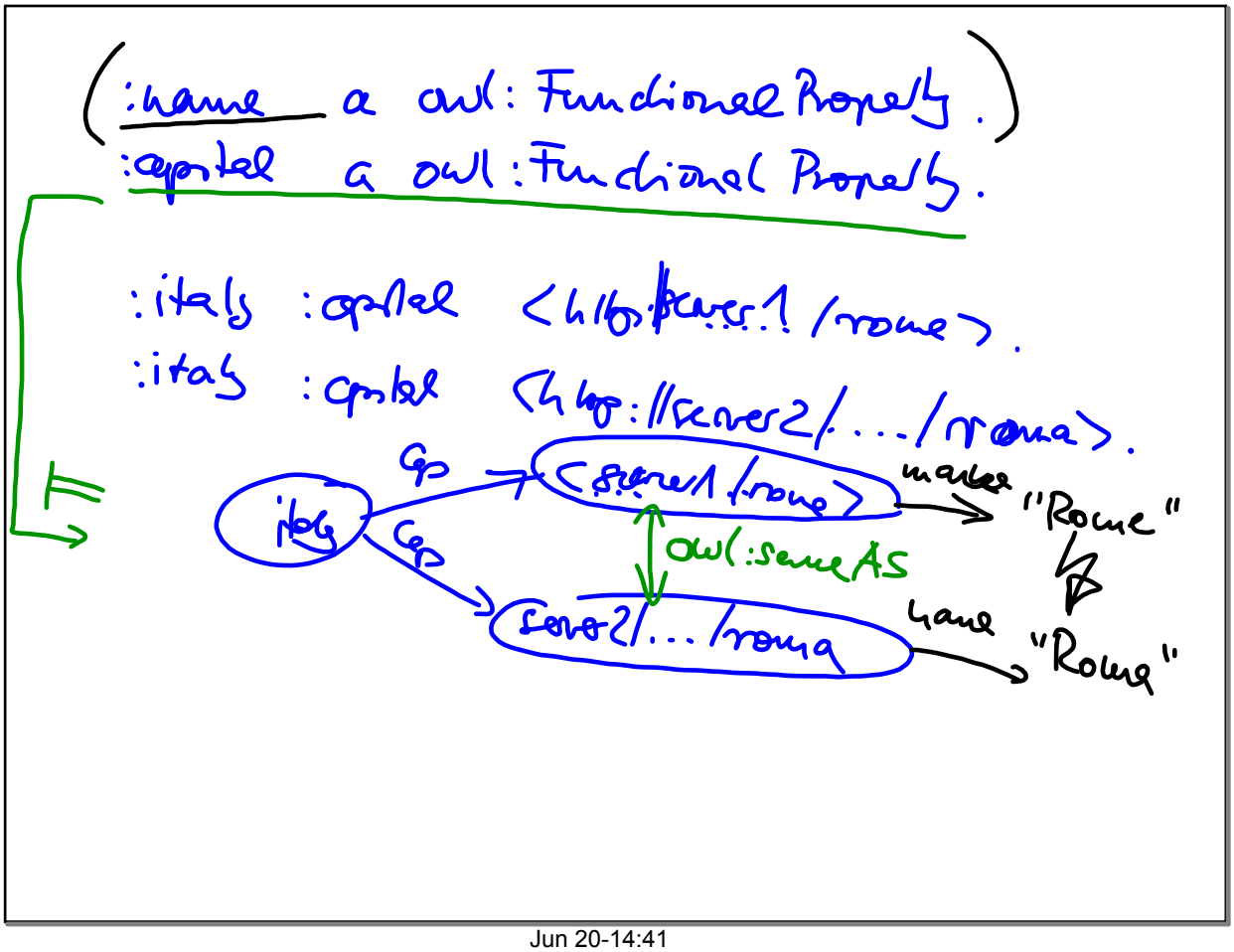

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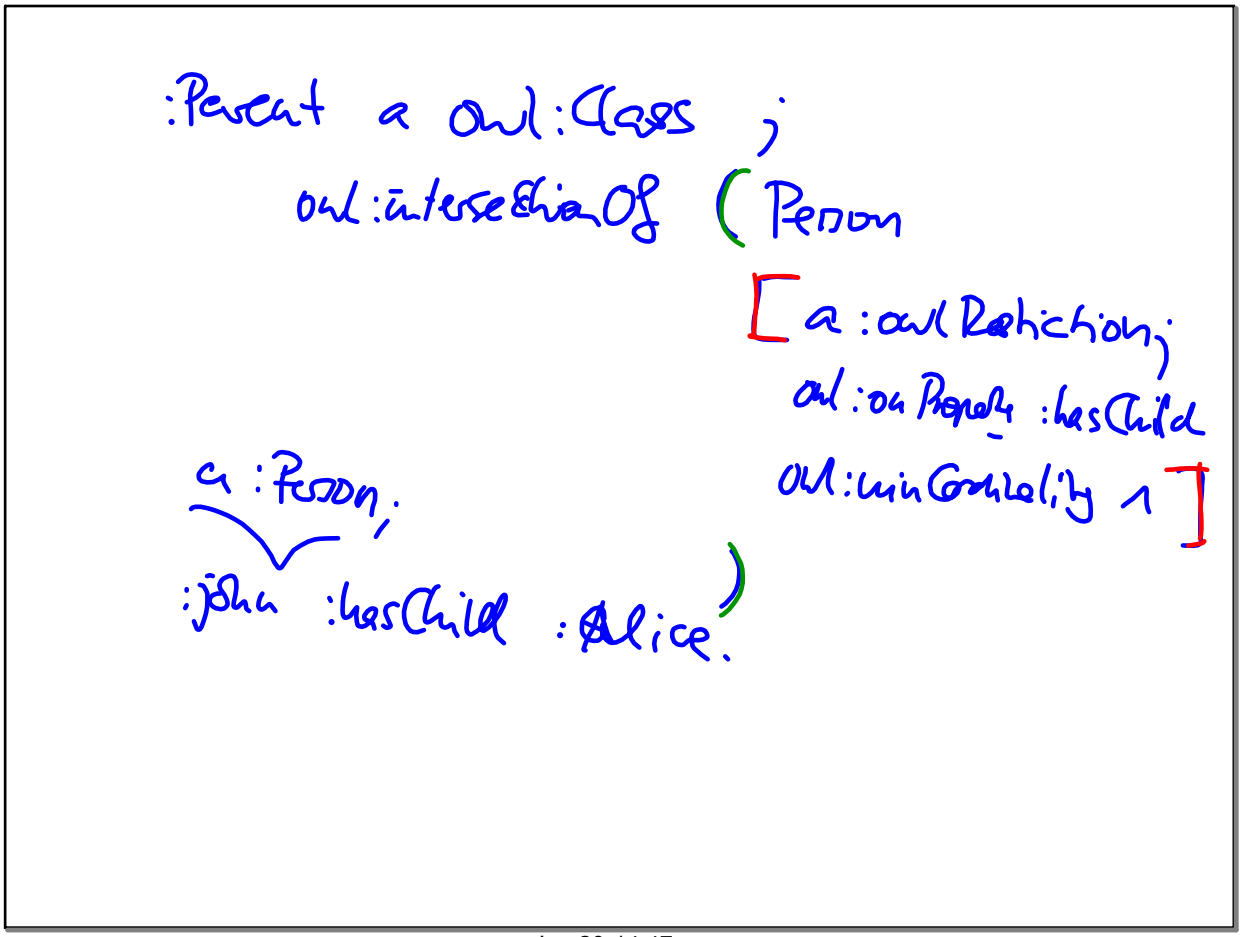

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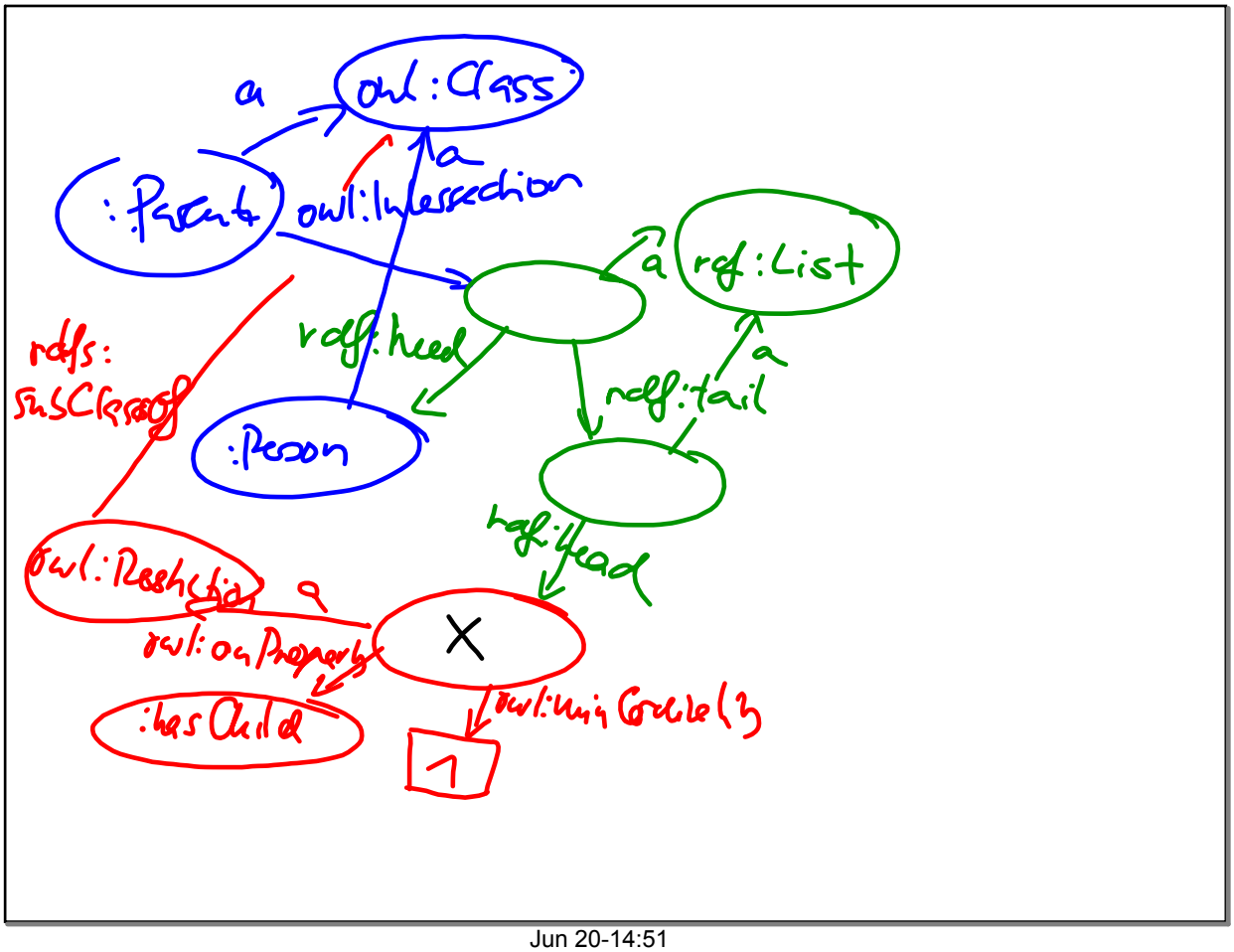

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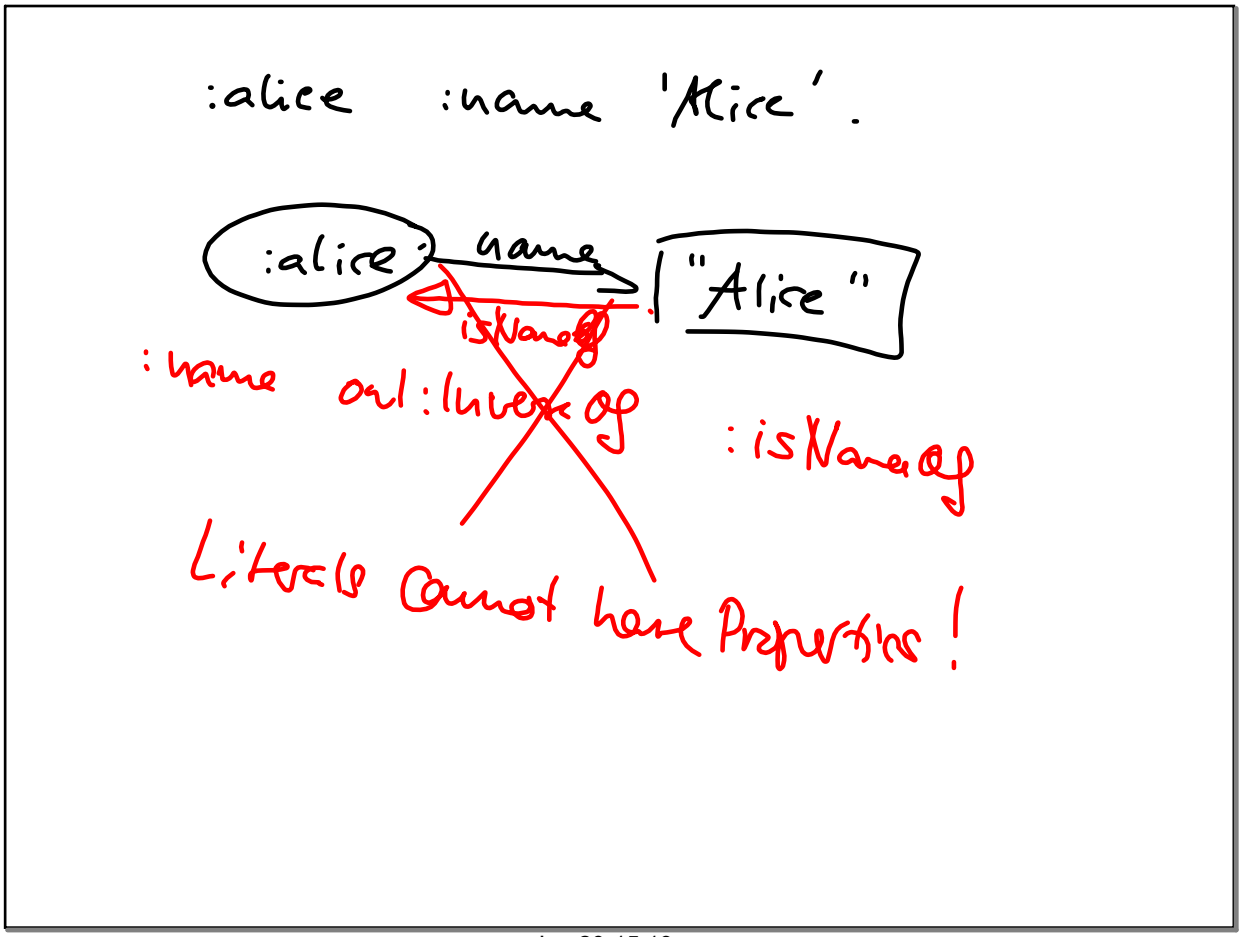

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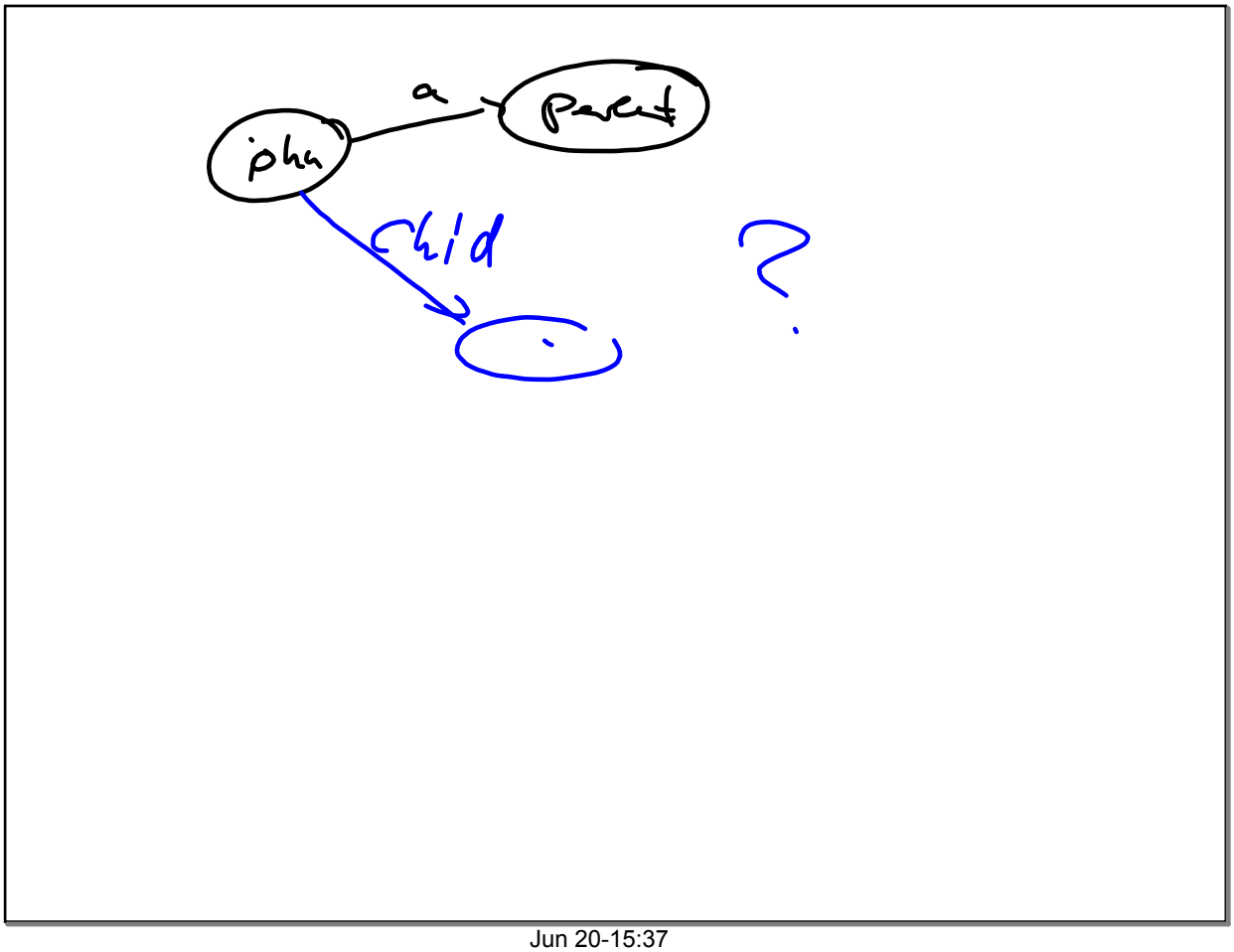

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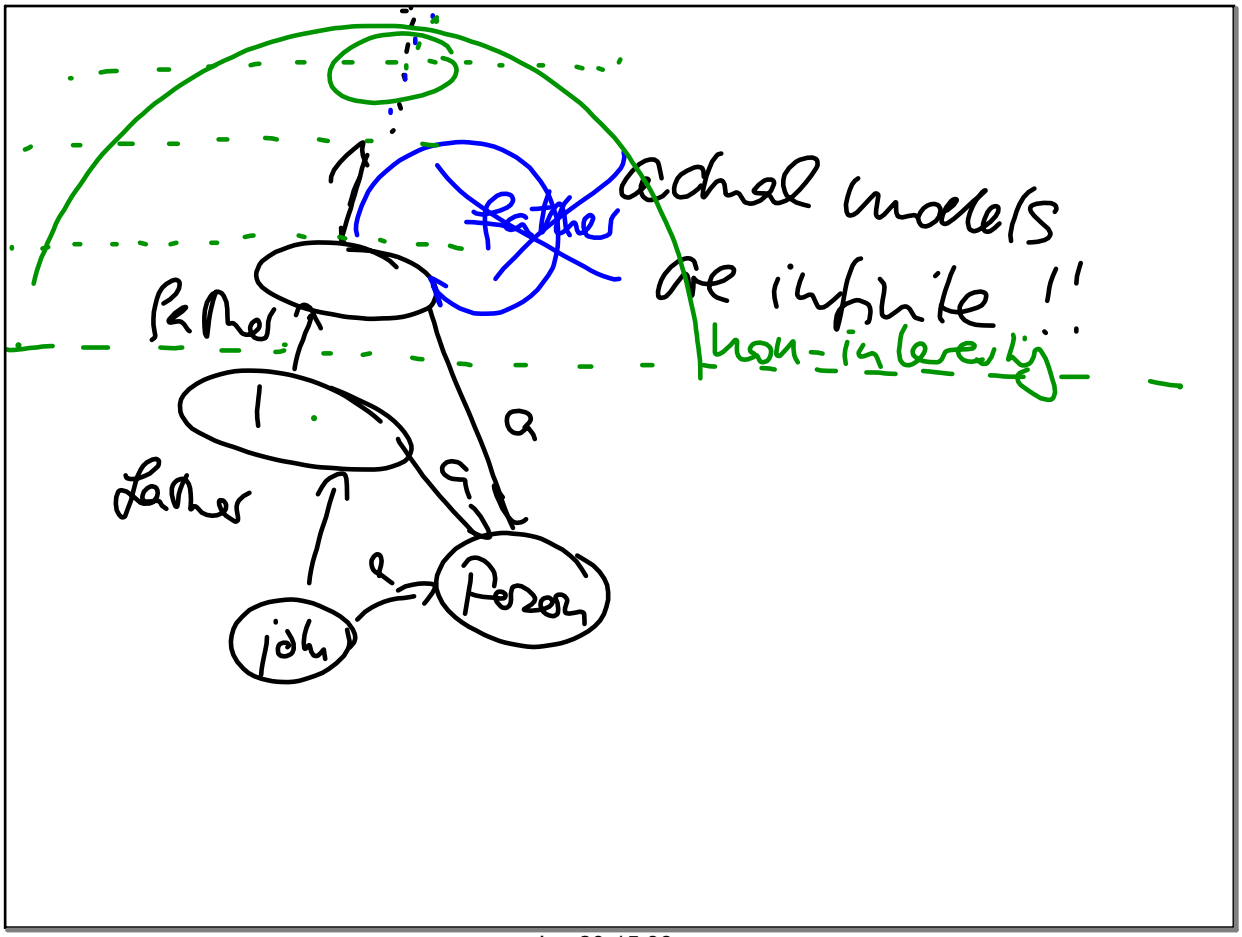

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