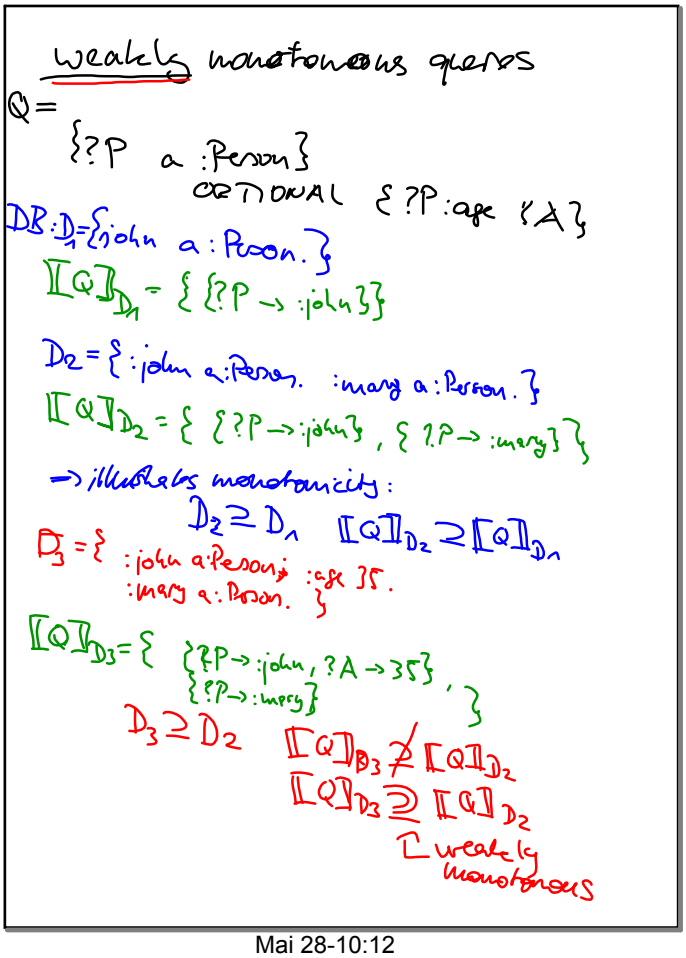
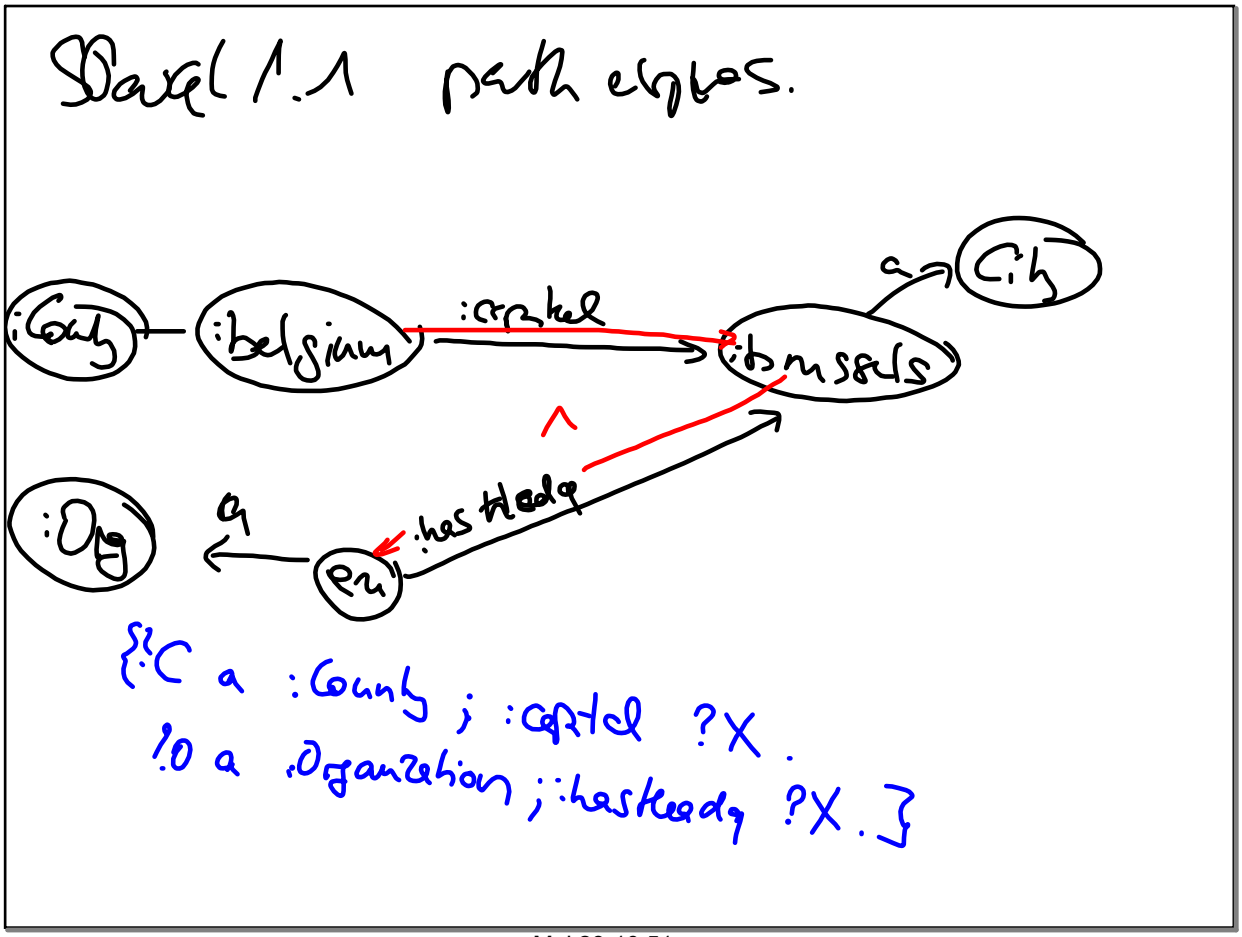


Mai 28-10:12



Mai 28-10:51

Sl. 152

$Parent \equiv Person \sqcap \exists hasChild.\top$

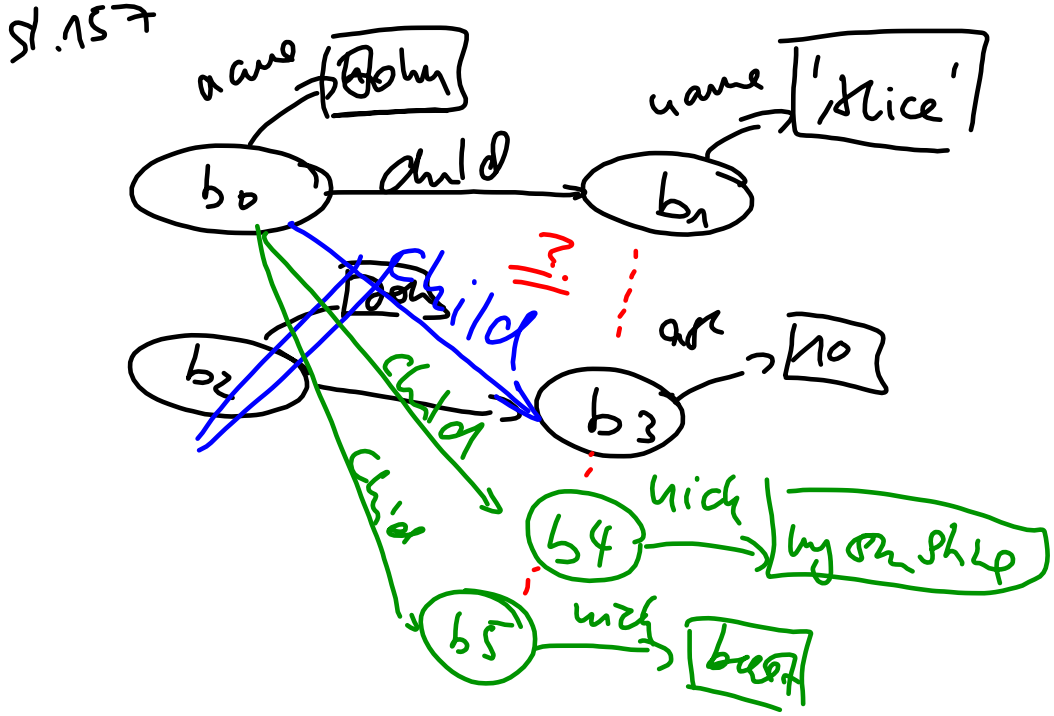
$Parent = Person \sqcap \exists \underbrace{hasChild}_{\text{"role"}}.Person$

$Grandparent \equiv Person \sqcap \exists child.Parent$

$Grandparent \equiv Person \sqcap \exists child(\exists child.\top)$

Mai 28-11:23

Sl. 157



Mai 28-11:39

Slides 158 (156) interpretation of 4th "o", first "_"

$\Sigma = \{ name/2, child/2, age/2 \}$

$\mathcal{I} = (I, \mathcal{D})$ $\mathcal{I} \models$ Slide 156

$\mathcal{D} = \{j, c\}$

$I(name) = \{ (j, "John"), (c, Alice), (c, Bob) \}$

$I(age) = \{ (j, 37), (c, 10), (c, 8), (c, 12) \}$

$I(child) = \{ (j, c) \}$

Mai 28-11:42