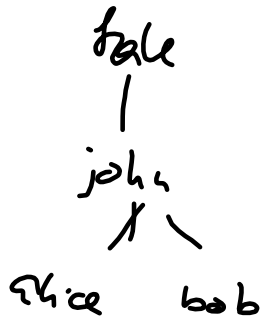


Slide 326 (revised - how slide unless)



george → known to be childless

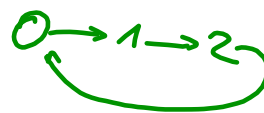
Jun 28-10:25

Mathematics: Standard model of a set of actions:

$\mathbb{N}$ : Every natural number  $n$  has a successor  $S(n)$   
 $0$  is a natural number

$0 \rightarrow 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow \dots$

Nonstandard models:

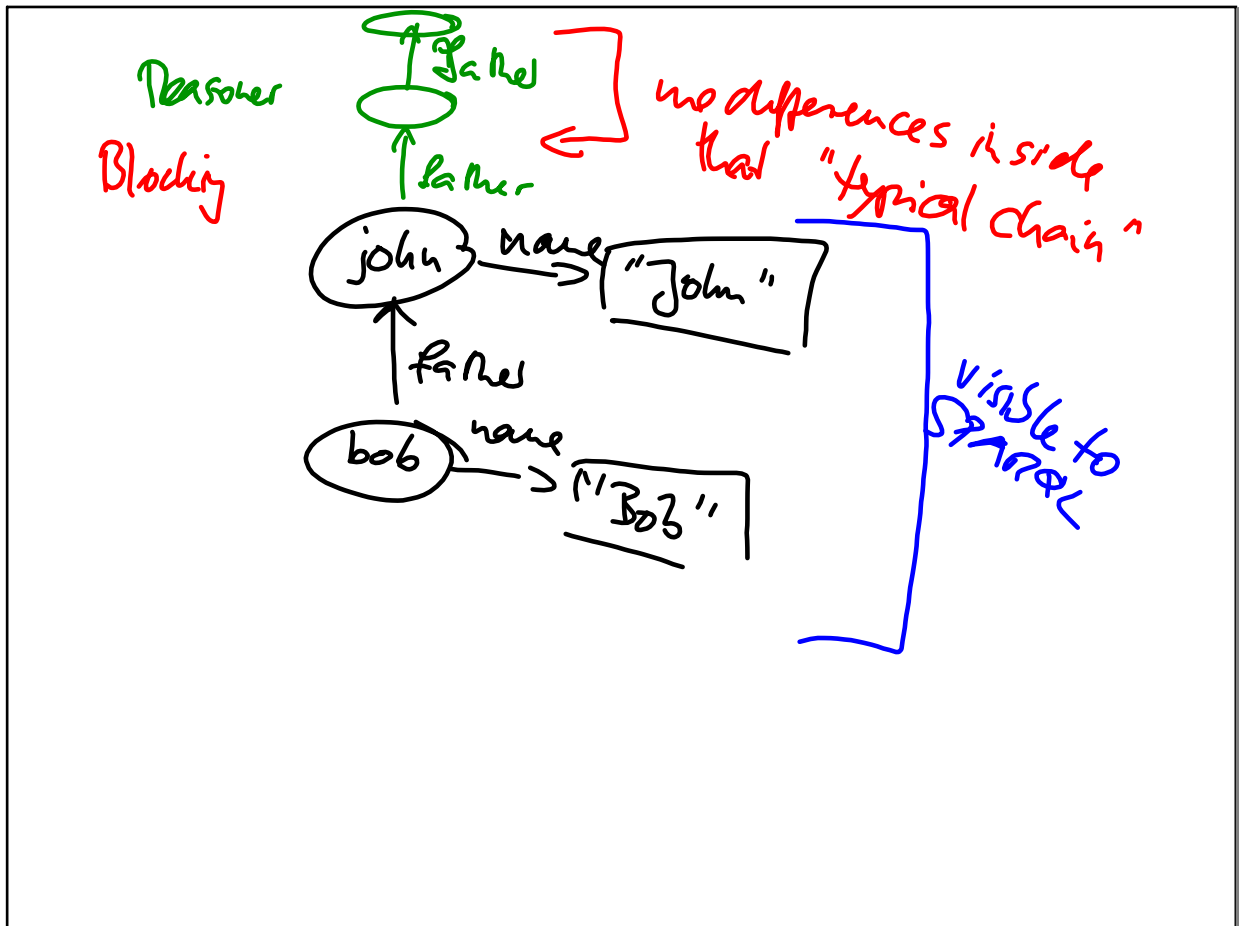


$0 \rightarrow 1 \rightarrow 2 \rightarrow \dots$

$\pi \rightarrow S(\pi) \rightarrow S(S(\pi)) \dots$

$\mathbb{Z}_3 \cong \mathbb{N}_+$   
 $S(2) = 0$

Jun 28-10:42



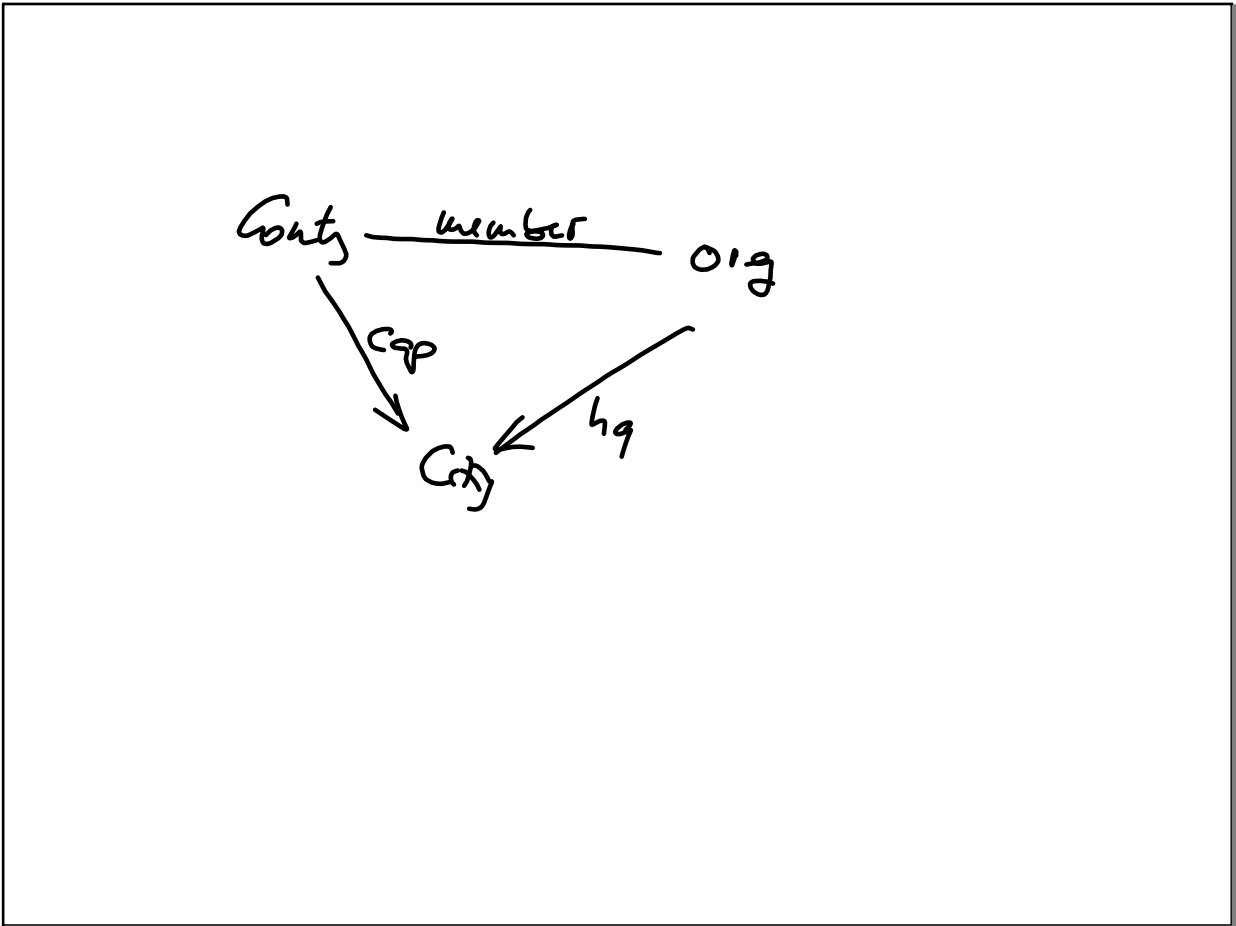
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Functionality of properties

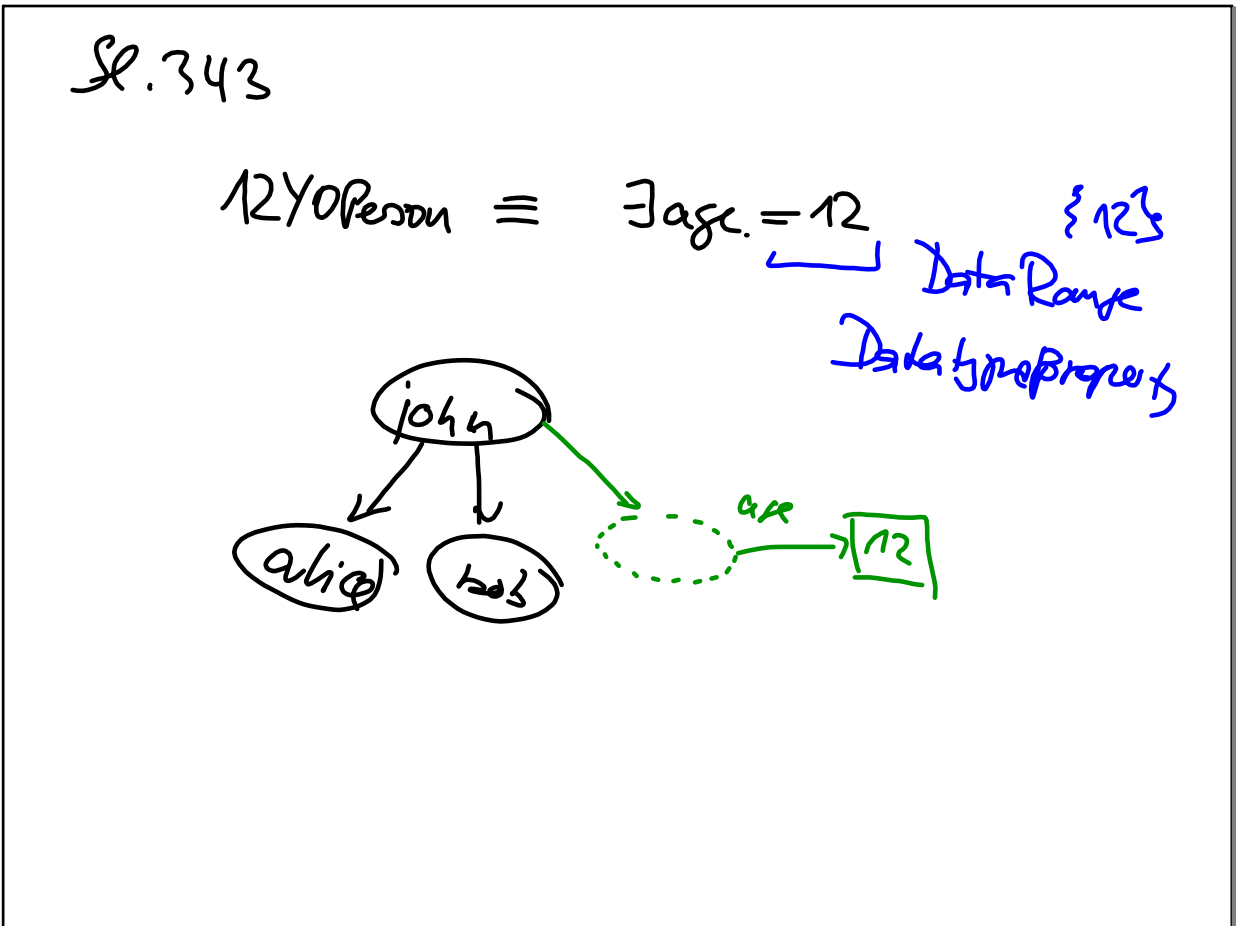
explicit : :P a owl:FunctionalProperty

$T \sqsubseteq \exists \leq 1. q$

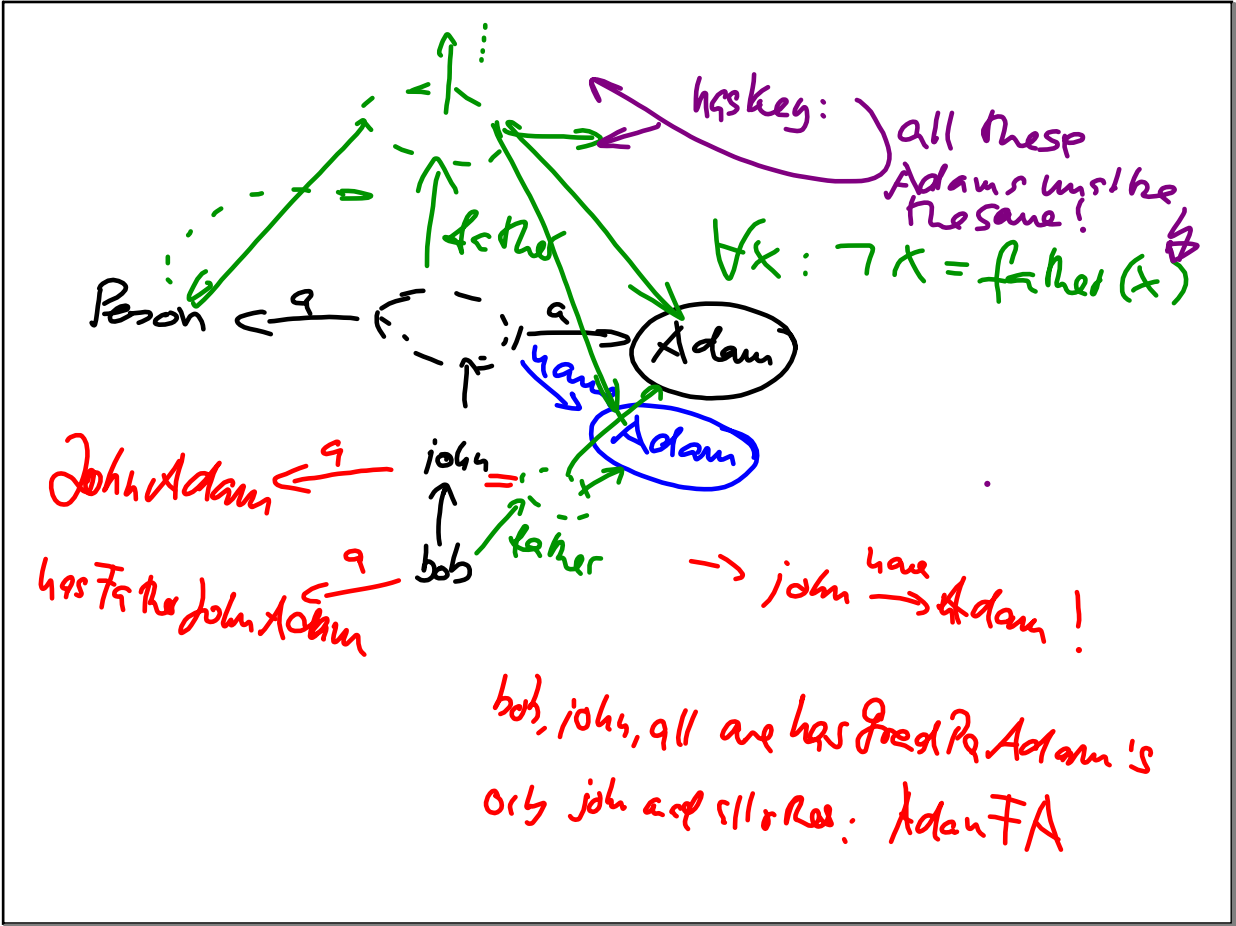
Jun 28-10:57



Jun 28-11:09



Jun 28-11:18



Jun 28-11:28