



Cardinalities  $\Rightarrow$  Reasoning

$\rightarrow$  DL  $\Leftrightarrow$  OWL

DL:

County  $\sqsubseteq \exists 1.\text{capital}.\text{geo:Thing}.$

OWL:

"county parameters"

County `rdfs:subClassOf`

[`owl:onProperty :capital ;`  
`owl:someValuesFrom geo:Thing` ],

[`owl:onProperty :capital ;`  
`owl:maxCardinality 1` ].

Apr 28-15:27

Apr 28-15:33