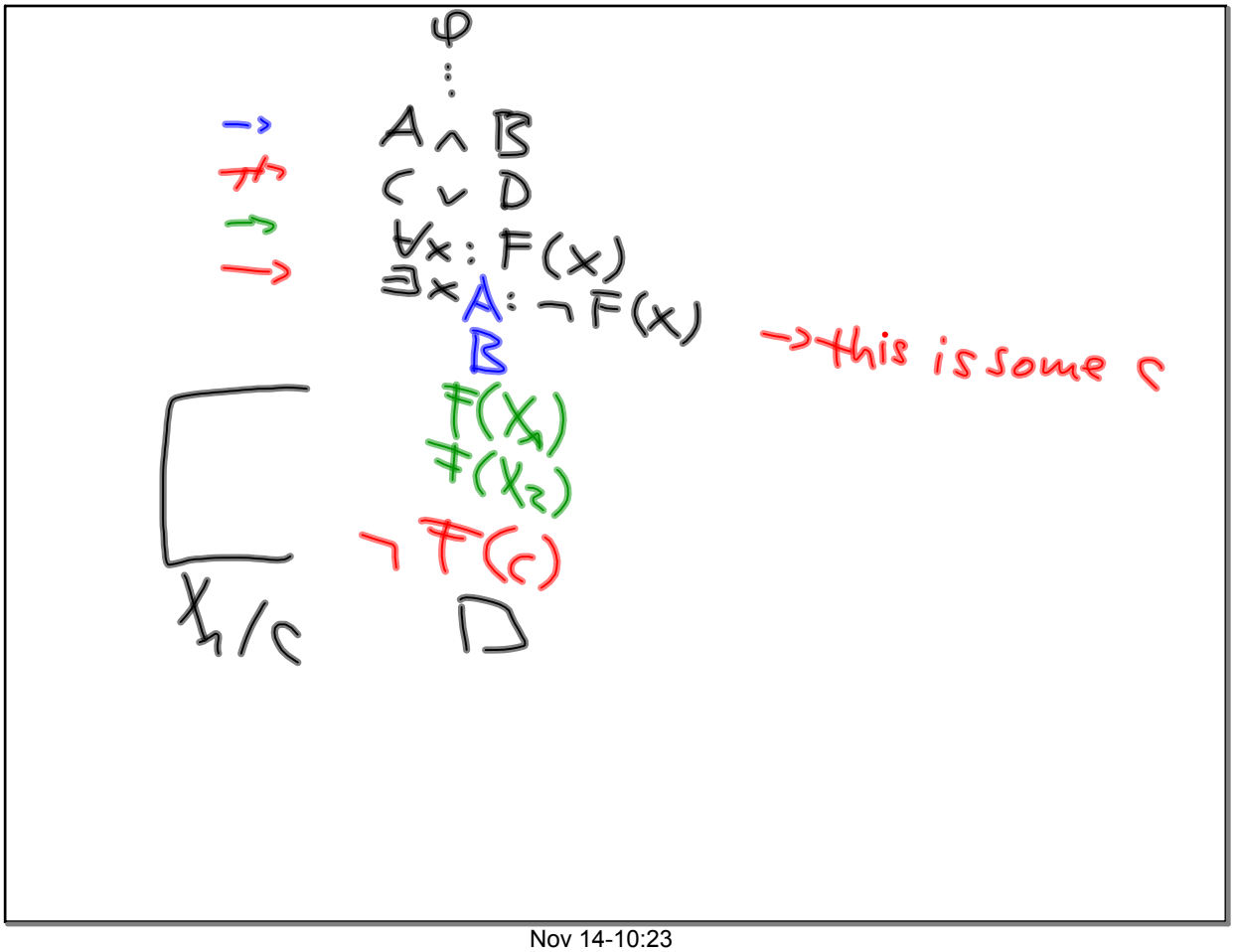
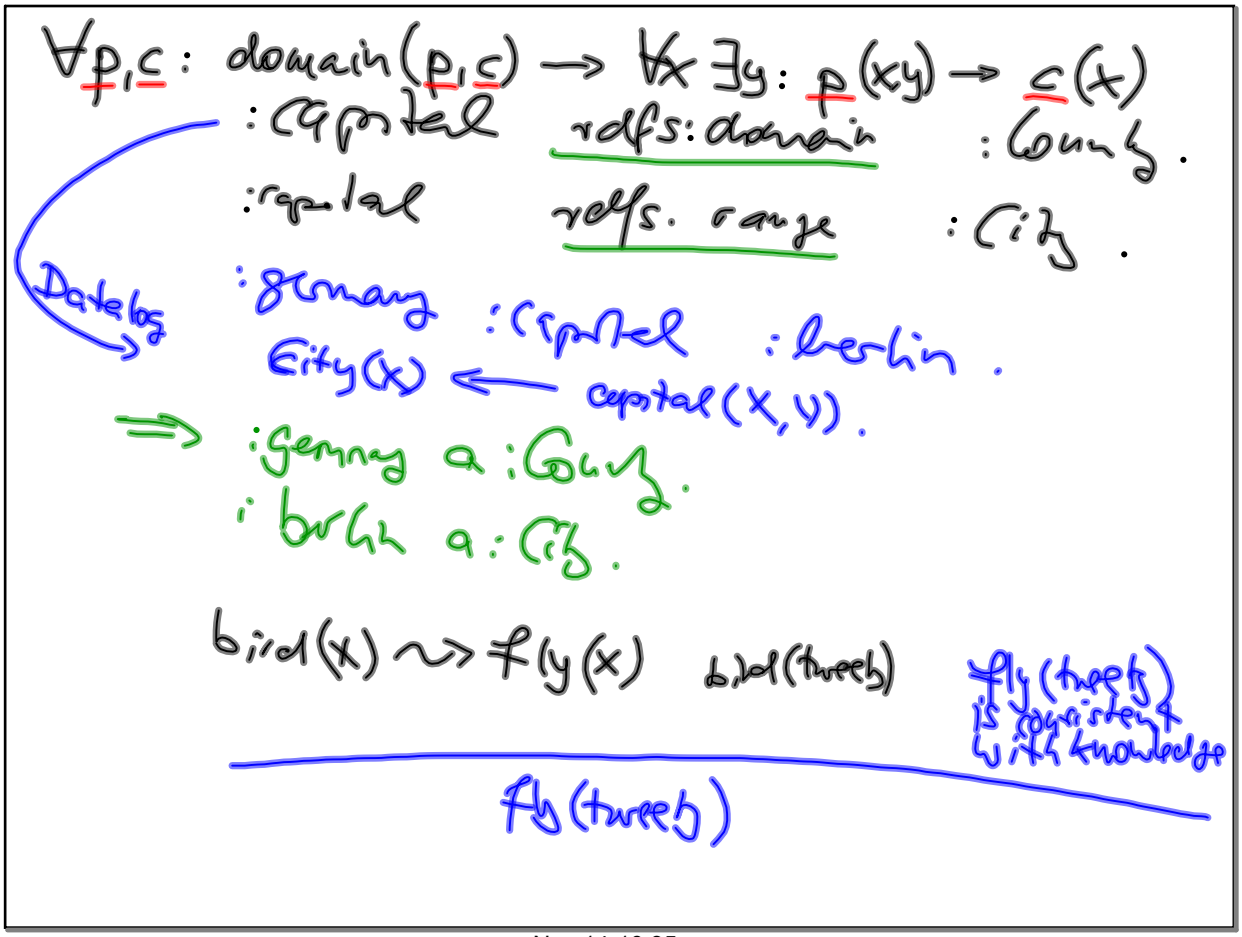


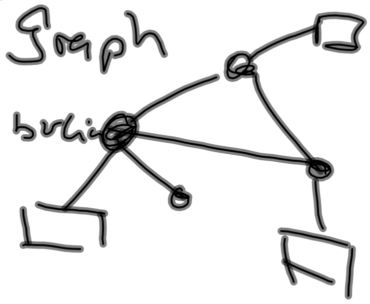
Nov 14-10:23



Nov 14-10:35

DataModel

Graph



2000-2004

RDF

- RDF-DBMS
- Querying: SPARQL

- DL (RDFS / OWL)
- Tableaux

Logic
DL

DB: (S P O) → edges of graph [→ SPARQL graph DB]

vertically partitioned storage

name		pop		capital	
germany	'Germany'	germany	f350 0000	german	berlin

Nov 14-10:55

?X a :City ; → URI

:population ?p .

(FILTER ?P > 100.000)

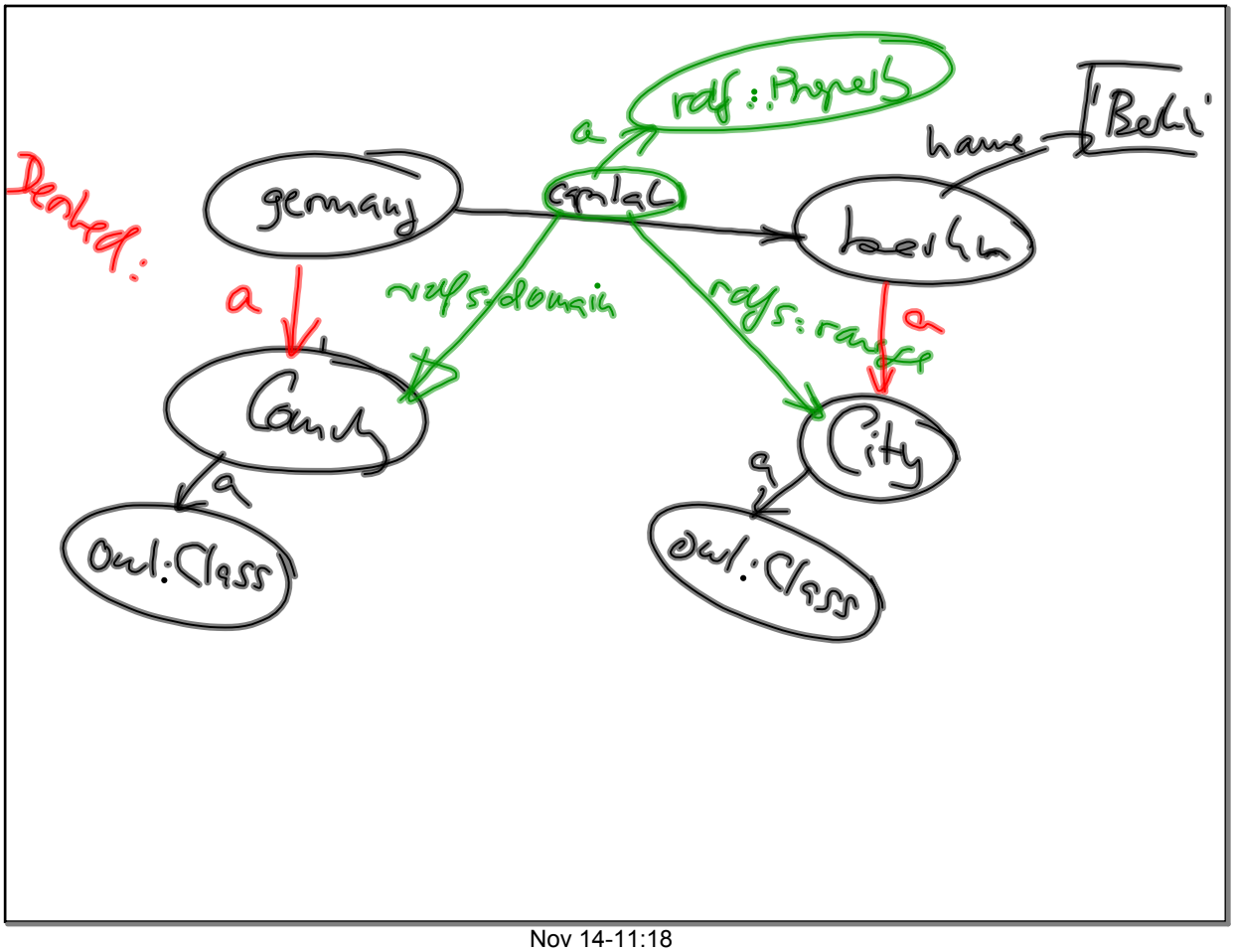
:berlin a :City

:pop 3400.000 .

:berlin a :City

;pop 3500000 ;

Nov 14-11:12


rdf:Property
a
'Berlin'
name
Germany
capital
Berlin
Declared:
a
rdfs:domain
rdfs:range
a
Country
City
a
a
owl:Class
owl:Class

Nov 14-11:18