

# Slide 13: Rule-based languages

head ← body .

S&L

$\left[ \begin{array}{l} \text{Select } \boxed{\dots} \\ \text{From } \dots \\ \text{Where } \dots \end{array} \right]$

$\hat{=}$  *something*  $\hat{=}$  *generally tuples / create ...*

$\left. \begin{array}{l} \text{head} \\ \text{body} \end{array} \right\}$  *objects/docs ...*  
*"data items"*

Okt 27-14:08

§.27 ... considers as a book :

Page 0 "System"

Titles → first entry on page 1  
 Contents → first entry on page 2  
 Contents → first content on page 3  
 Page → first page on page 4

Okt 27-14:43

page 1 : a country.

name : "jony"

code "D"

pop : 83500000

capital : → page 15

cities : food city → page 12

⋮

next only : page 5

*Different number of links per different country*

*next member of EU → page 8  
next member of NATO → ...*

Okt 27-14:52

page 5 : ~~B~~ a : out

name : 'Belgium'

code B

⋮

cap : → page 123

cities : food city , page 90

next only : → page 80

*next member of EU → page 1  
next member of NATO → page 1*

Okt 27-14:54

page 123: a city

name: Ponsols

ref: ....

⋮

next city → page 1234

next city → p 12k

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page 4: an organization

name: EU

members: → first member <sup>skip</sup> (of ~~EU~~) →

next org: → page 6

~~page 5~~  
page 9

Okt 27-15:06

pg 6: an organization

name: NATO

⋮

member: first member of NATO

✓ stop

→ ~~pg 5~~

pg 93

next org: 801

Okt 27-15:07

→ different organization:

"Redirection"

↳ how record type

membership: → cont  
                  → org

⇒ ⋮

Okt 27-15:11

page 9: a membership (in EU)

→ of conts → page 5 (B)  
in Org. → page 4

next membership in EU → page 10

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page 10: a membership: in EU

→ of conts → page 1 (B)  
in Org → page 4

next membership in EU →  
page...

Okt 27-15:14