

Query language design ... concepts:

- * SQL
- * Datalog (match patterns on relations country(N,C,Cap,CapProv,A,Pop))
- * OQL <- SQL + navigation
- * WSL (OEM): match patterns on OEM (like json) objects
- * F-Logic: match patterns on a graph/on a network of frames

higher level:

QL "rule-based design" syntax + semantics

SQL : select ... from ... where ...
 delete ... from where ...

HEAD

BODY

updates: modify relname ... set col=val where cond

(body)

(head)

(body)

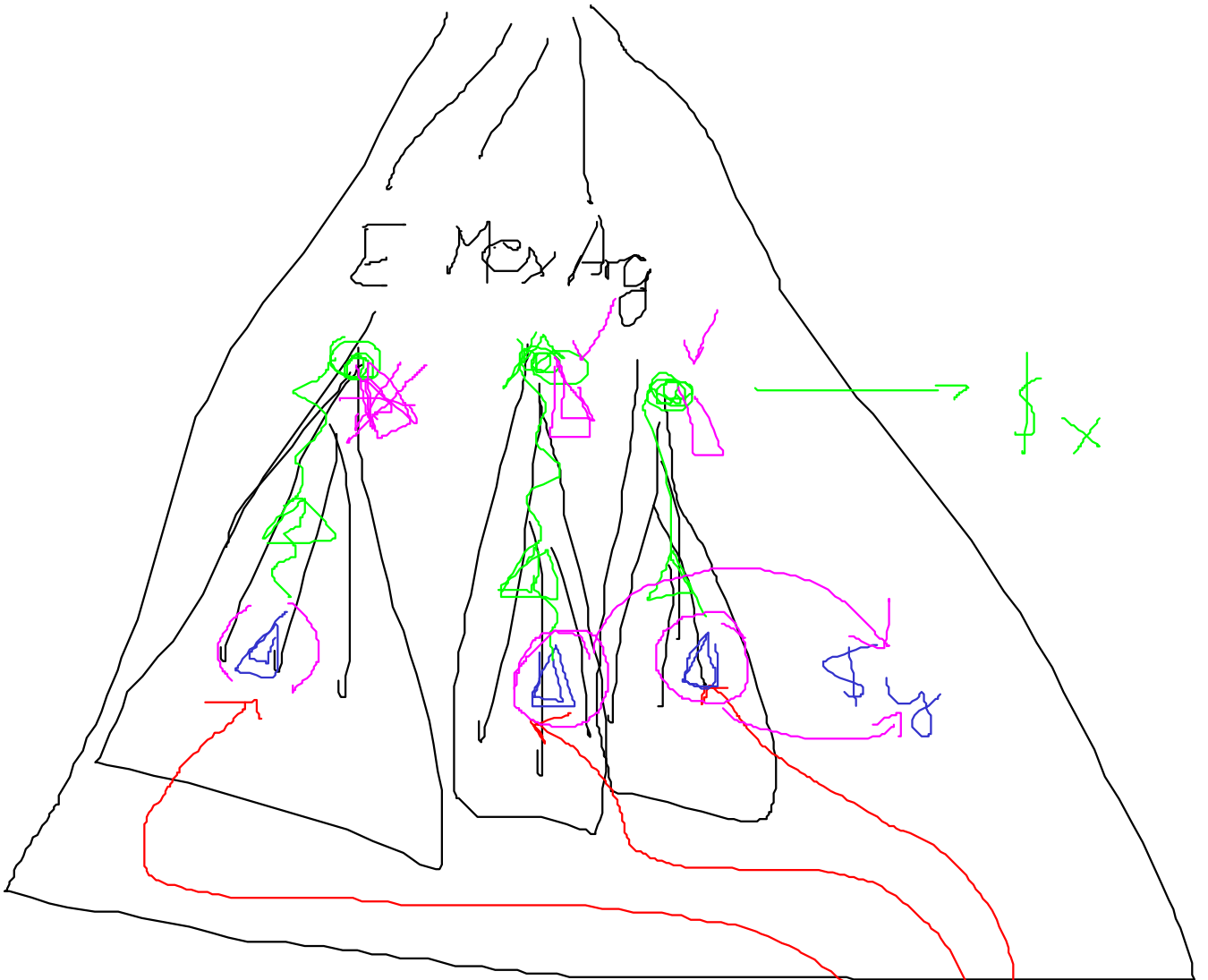
SQL: variables rather implicit:

select ... from country c1, country c2 where

=> propagate values from body to head

declarative semantics: whenever body is satisfied (and extracts values and binds them to variables) then ...
do what is specified in the head

- * output
 - * update database
- => create structures



index on city/name

