Q) what is a fundamental building block of
Logical relation

XOR?

Q) what is a "Logical Relation"

$C = A$ AND B $K = \# > 5$

$D = E$ OR F

$G = H$ XOR I

A) Coupling between state in indipendent domains

Q) what is taging, labeling, categorizing

Example

$K = \#$ of E in X and $Y > 10$

A) An ENTITY e in set E
Can be simultaniously logicaly coupled
with

State "red" in domain "color"

AND

State "large" in domain "size"

Q) what is a lock?

A) A world state with a low probibility
of 1) Creation
2) Destruction
3) Both

Such that deliberate or unlikely conditions
must proceed the state change

Q) How is a lock mechanism related to information?

A) Information is data is a record of a combination of deltas in independent domains.

The information or data is stored as state in one set of domains

The information or data has a relationship with state in a second set of domains.

We are not interested in random state
We are mostly interested in structured state
... state that has some duration

Lock mechanisms produce structured state in the set of domains we consider "real"

Likewise lock mechanisms are required in set of states we store info in.

Q) What types of lock mechanisms exist in set of domains we store info in?

1) Differentiation within state domains.

Ex. T/F in Domain "Present"
EV. 0,1,2,3 in X Domain

2) Logical relationships or coupling between domains that is decoupled from other sets of relationships

Ex. distinct ideas or objects

3) Relationships between real world and information state domains.