A2 11/27 4SRN

UNIQUELY → LANGUAGE
SYMBOLIC SPECIES.

LANGUAGE MYSTERY STORY

WHAT IS IT? – Recursive, hierarchical merge
WHO HAS IT? – ONLY US
WHERE × WHEN – AFRICA. 50,000
HOW? – NEURAL Δ (SMALL).
WHY?

FRENCH + GERMAN.

Brain of vocal learner – songbird/human.
novel learner. – chicken/marmoset

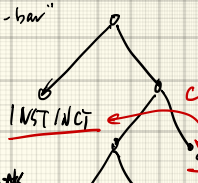
Simple thing → complex → new name.
(pencil).

Connector operation = MERGE

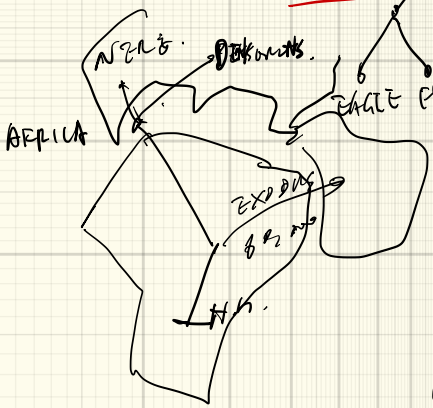
EAGLES THAT FLY INSTINCTIVELY SWIM

INSTINCTIVELY EAGLES THAT FLY SWIM.

Language is a universal "cross-bar"



CLOSER TO. INSTINCTIVELY.
Δ DISTANCE.



60,000
80,000 Blombos CAVE
200,000 YRS AGO.

CHILD. – Anatomically MODERN.
native language
ADULT BLUE(

INCREASE OF BRAIN. SIZE

☆ LANGUAGE ENABLES MERGE
☆ LANGUAGE ENABLES STORY Representation theory
☆ 3M's { MENTALMODEL. MATHEMATICS. MUSIC

newly evolved.

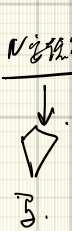
#3?

① SOUND
already song evolved – birds
I/O – speech sign.

② MEANING
mental snapshots stories

– HIERARCHICAL
– ARBCOMPLEX → ∞ USE OF FINITE MEANS.

AGENT – P
ACTION → ATE
APPLES

TOKIO.
CROW. 烏鴉
SYMBOL.

× HIERARCH