

ARE DOGS RATIONAL ANIMALS ?

Jean-Yves Beziau



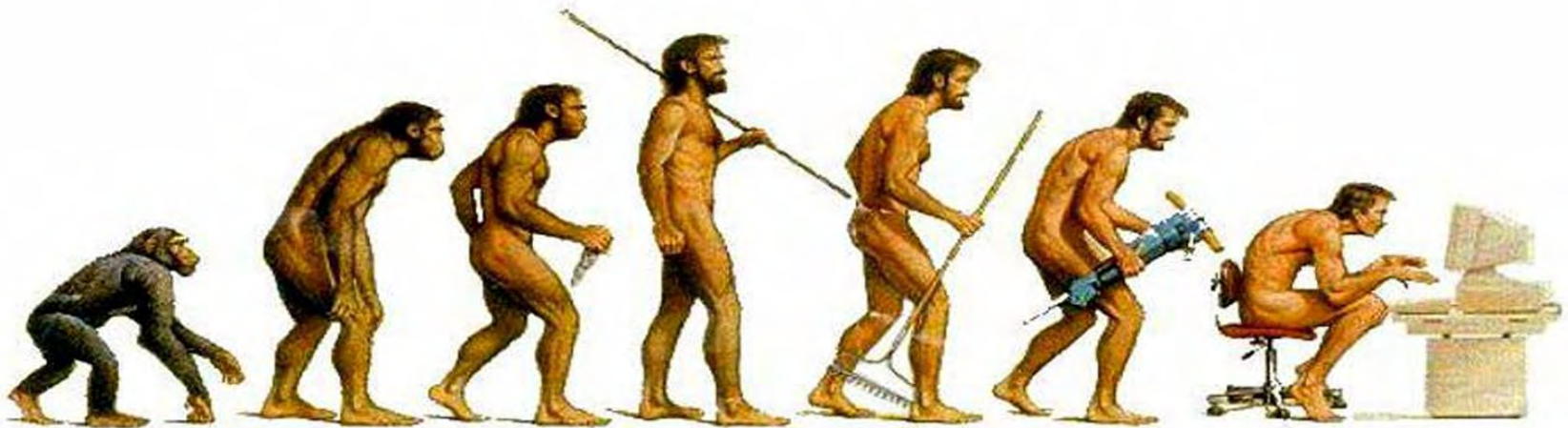


in M.Trepczynski (ed),
Philosophical Approaches to the Foundations of Logic and Mathematics -
In Honor of **Stanisław** Krajewski, Brill, Leiden, 2021.

What is a Rational Animal?

**Rationality is considered as what
characterized human beings**

Human Beings = Rational Animals



“Being Aware of Rational Animals”



In G.Dodig-Crnkovic and R.Giovagnoli (eds),
*Representation and Reality in Humans, Other Living
Organisms and Intelligent Machines*
Springer International Publishing, Cham, 2017,
pp.319-331.

WORLD LOGIC DAY



JANUARY 14

**World Logic Day =
Celebration of Humanity**





Fork Experiment

DISJUNCTIVE SYLLOGISM

$$\begin{array}{l} P \vee Q \\ \sim Q \\ \hline \therefore P \end{array}$$



Can we conclude that
dogs are logical animals
?

Logical animals = yes !

logical animals = no !!

A photograph of ancient Greek temple ruins, likely the Temple of Apollo at Delphi, featuring several tall, fluted columns and a partially collapsed entablature. The scene is bathed in the warm, golden light of a sunset or sunrise, with a clear sky transitioning from orange to blue. The text "logic and Logic" is overlaid in a large, dark blue, sans-serif font across the center of the image.

logic and Logic

La Différance

Logic and logic

- Logic : reasoning
- logic : the theory of reasoning

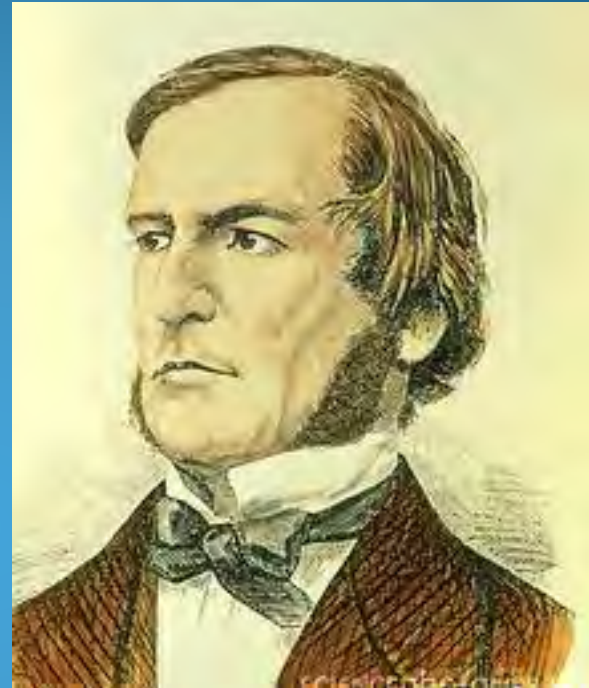
History and history

- History : the series of events
- history : the science which studies History

Woolf, D.: *A global History of history*, CUP, Cambridge, 2011.

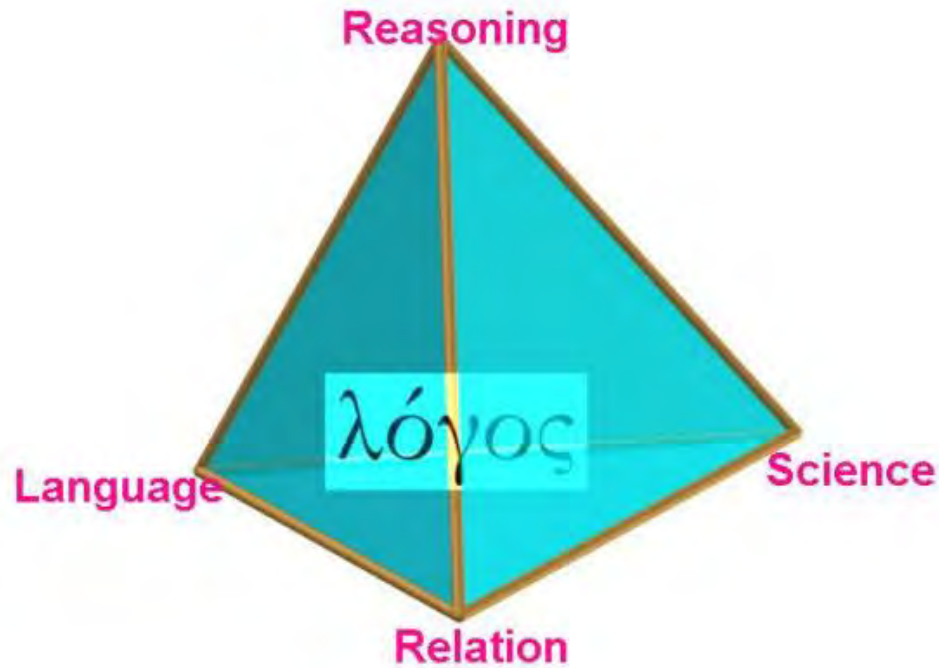
Logic is not logic

- “Logic” the name for the **ACTIVITY** of reasoning
- “logic” the name for the **SCIENCE** of reasoning



The design of the following treatise is to investigate the fundamental laws of those operations of the mind by which reasoning is performed; to give expression to them in the symbolical language of a calculus, and upon this foundation to establish the **SCIENCE OF LOGIC**

George Boole



The 4 aspects of the Logos

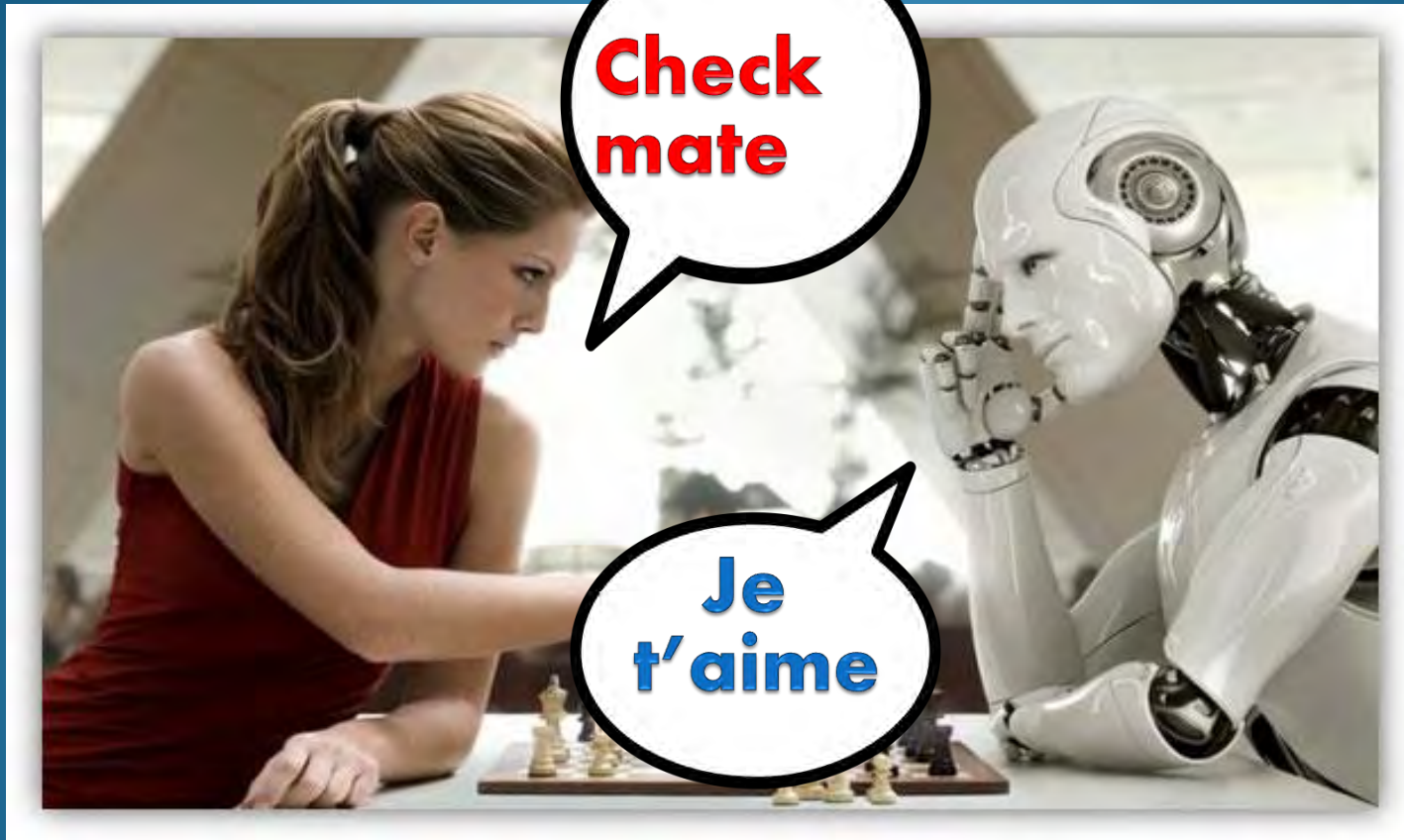
α	β	$\alpha \text{ w } \beta$
0	0	0
0	1	1
1	0	1
1	1	0



Artificial Intelligence



Computers nowadays know pretty well to play chess



But they still are not so good in translating



Human being: the only logical *being*?

Ἐν ἀρχῇ ἦν ὁ Λόγος, καὶ ὁ Λόγος ἦν
πρὸς τὸν Θεόν, καὶ Θεός ἦν ὁ Λόγος



John 1:1

In the beginning was the Logos, and
the Logos was with God, and the Logos
was God.



The End