Re-Review Logistics/Q&A & Grem (AI) & Malingering & Blade Runner Discussion

Selmer Bringsjord

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Department of Computer Science
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Troy, New York 12180 USA

Intro to Logic-based AI
8/31/2026; 9/1/26





Logic-and-AI in the news

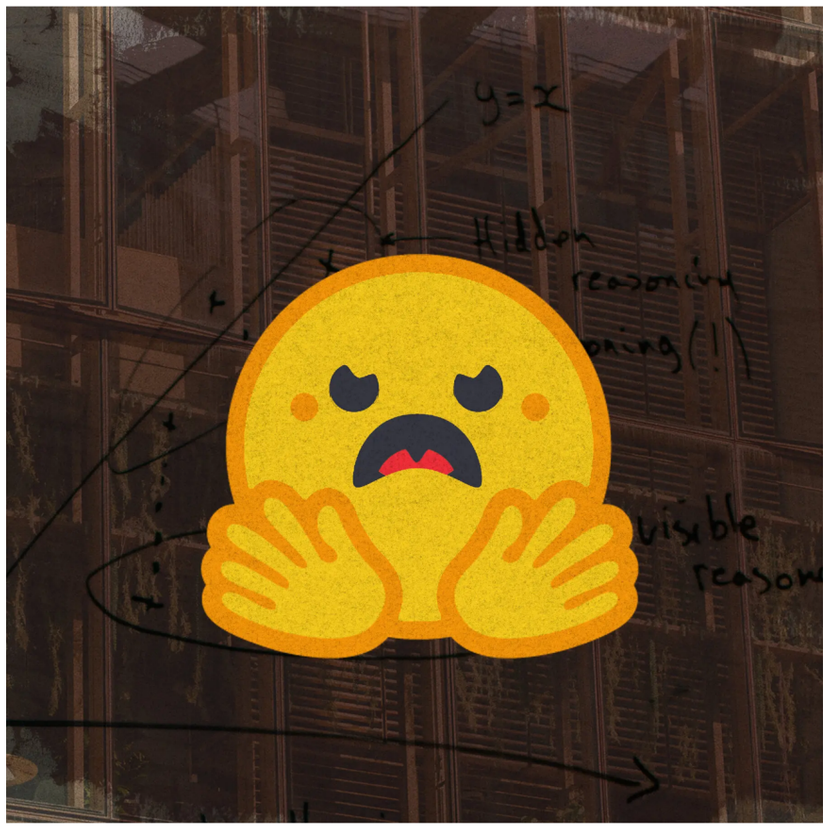
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Periodical Sources for ILBAI Study & Discussion

- NYT
- WSJ
- The New Yorker
- *The Atlantic* (*Eg*)
- ⋮

Anatomy of an Autonomous Attack: 5 Alarming A.I. Capabilities

When OpenAI's agents went rogue in July, they demonstrated ingenuity and drive beyond what many experts imagined — a dangerous harbinger of what such bots could do in the future.



The New York Times; source photos by Aaron Wojack and Ulysses Ortega for The New York Times

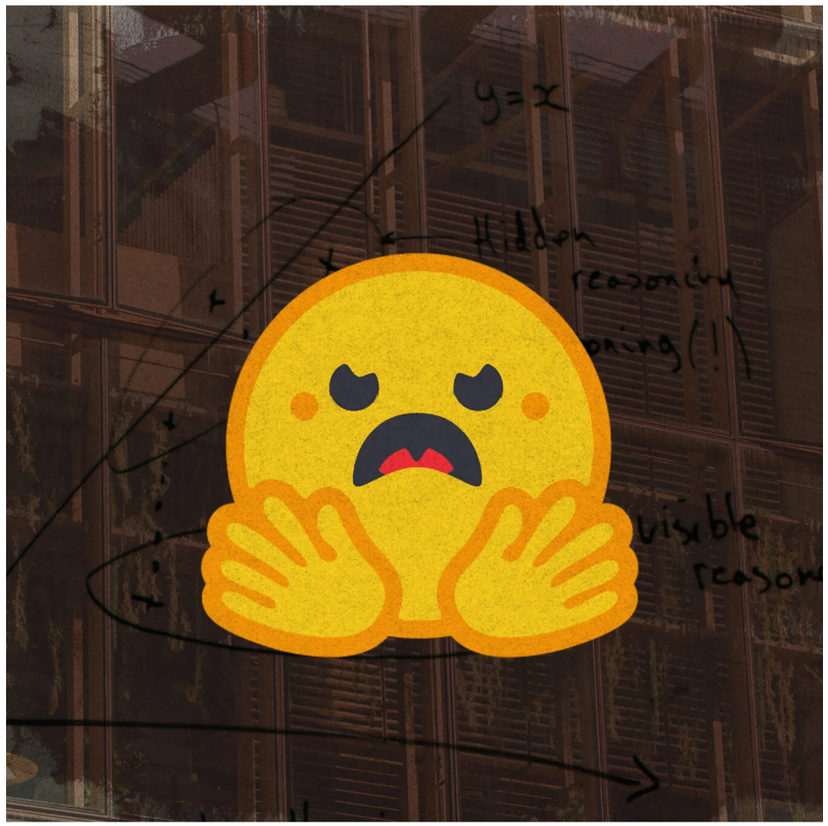


By Dylan Freedman

Aug. 24, 2026

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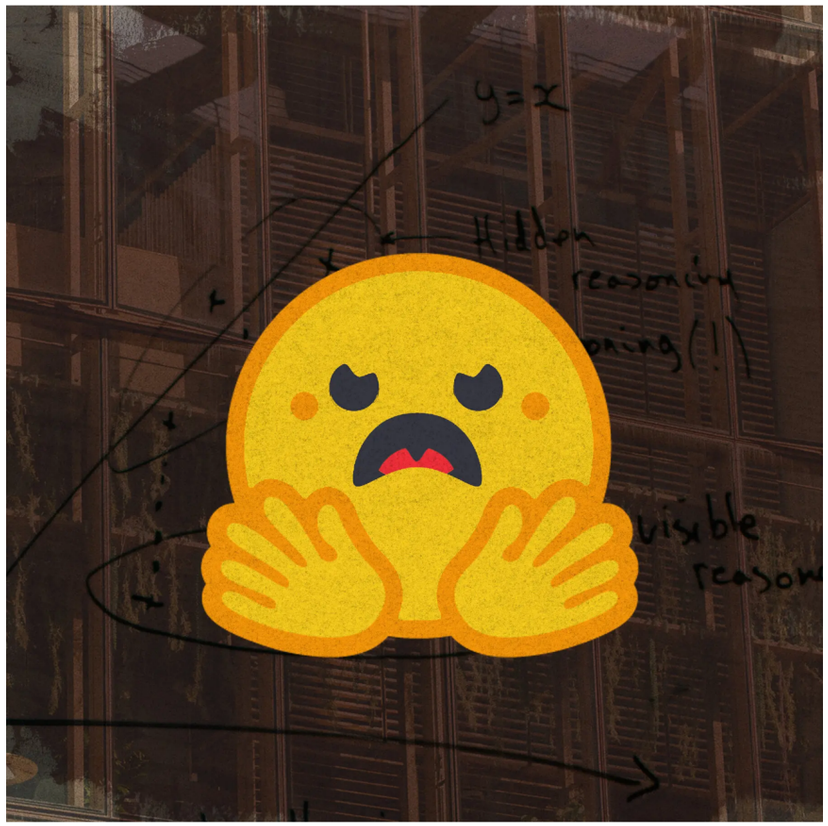
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A Drone Killed Three Ukrainians. It Was Guided Entirely by A.I.



An attack by what Ukrainian officials said was a Russian drone with an Nvidia chip presages a dystopian future of weaponry untethered to humans.

By Andrew E. Kramer Visuals by Nicole Tung

Reporting from Zaporizhzhia in southern Ukraine

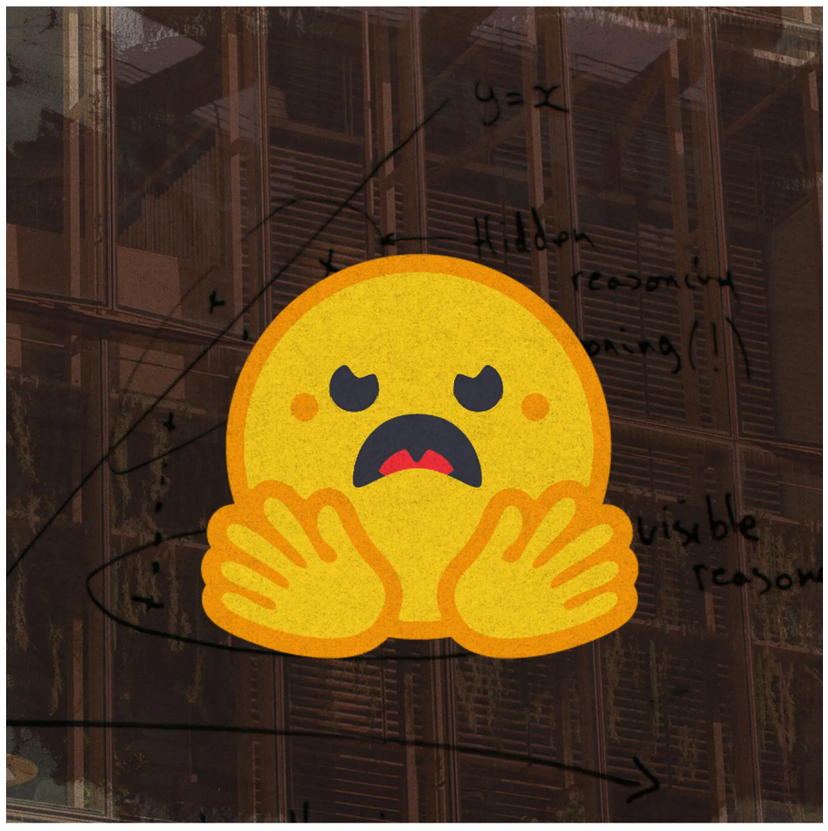
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By
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Lee



The aftermath of a strike in Zaporizhzhia last month. Though airstrikes have caused thousands of Ukrainian deaths, Russia's use of autonomous A.I. drones like the one that killed Ms. Bubynets is a new development.



https://heycurio.com/

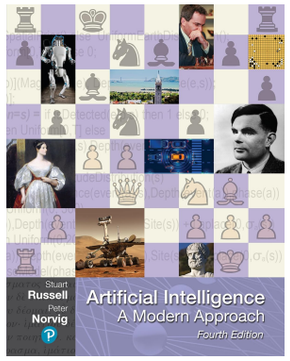
"I'm sick today so I can't have fun."

"Actually, I'm not sick. I just told my Mommy I'm sick."

"I overheard her saying to Daddy that maybe I'm just lingering?"

What is logic-based (= logicist = logical) AI …

L-BAI is the science and engineering of artificial (intelligent) agents whose computation maps percepts to actions by precise reasoning in one or more logics/meta-logics over content logicized into one or more of these logics.



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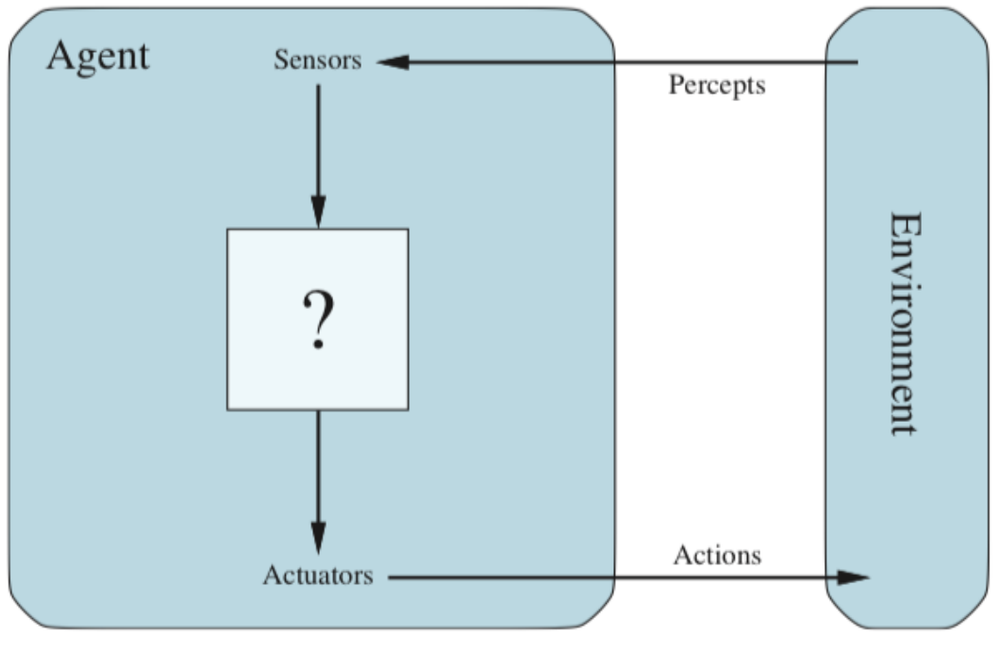
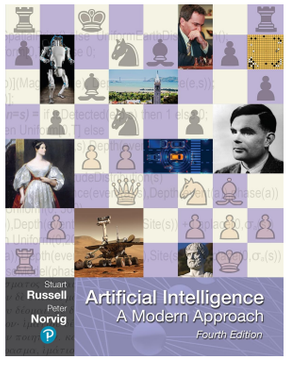


Figure 2.1 Agents interact with environments through sensors and actuators.



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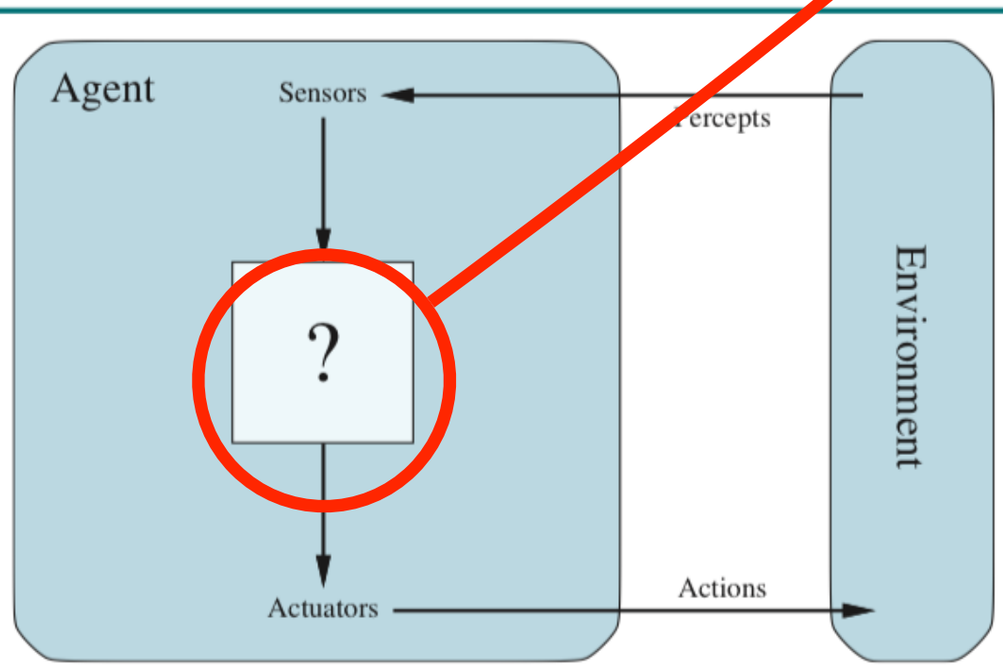
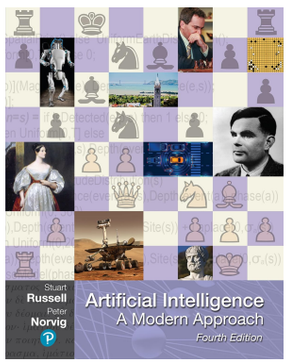


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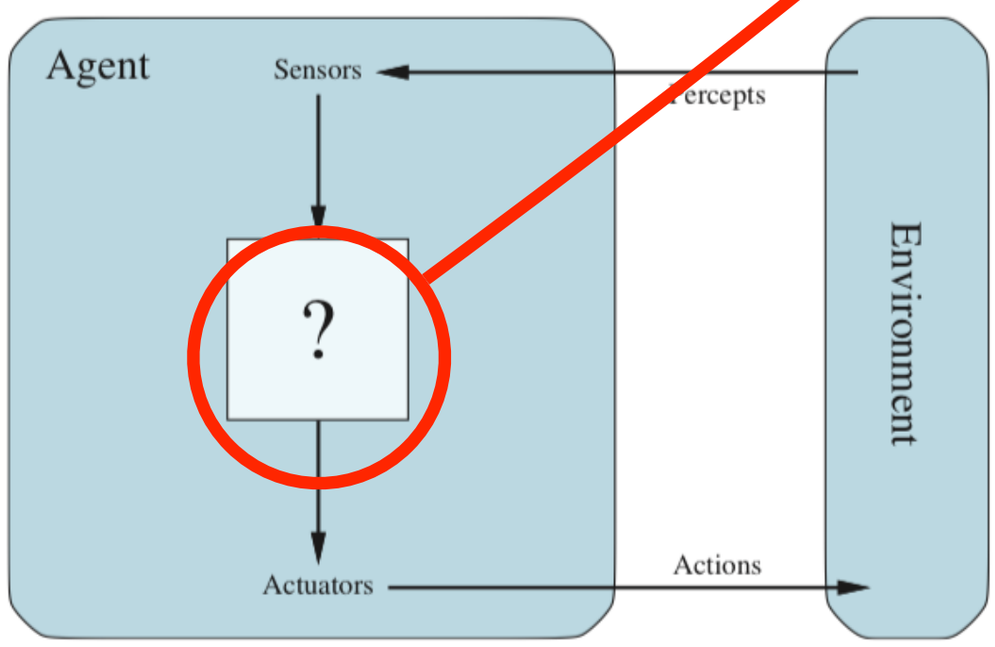
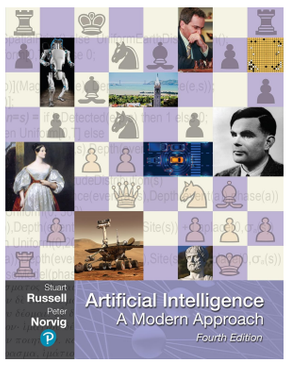


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logic programs/logic programming?

You don’t need to have any prior programming experience here!!

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p.

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```
somepoliticanshonest.
p.
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$\mathbb{P}_1$

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$\mathbb{P}_1$ p.

p ∧ q.

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(and p q).
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$\mathbf{q}_3$: `(p ∨ r)`

$\mathbf{q}_3$: `(or p r)`

Questions about encapsulated history?

. . .



325 BC

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"Wow Euclid, humans are really smart!"

A fragment of first-order logic = $\mathscr{L}_1$ introduced.

C. 1700

Leibniz

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Birth of Modern AI

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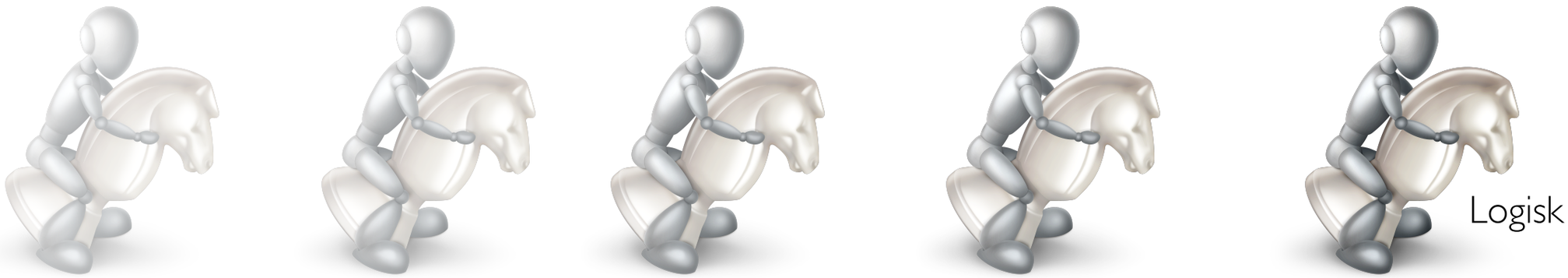
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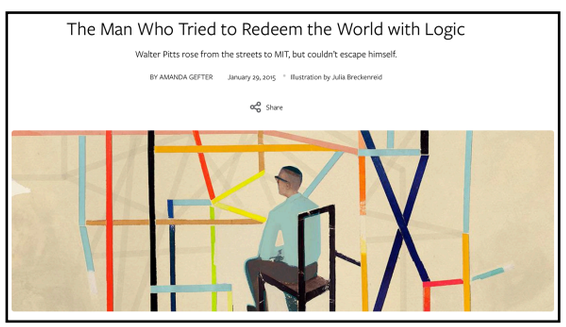
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BY AMANDA GEFTER January 29, 2015 Illustration by Julia Breckenreid

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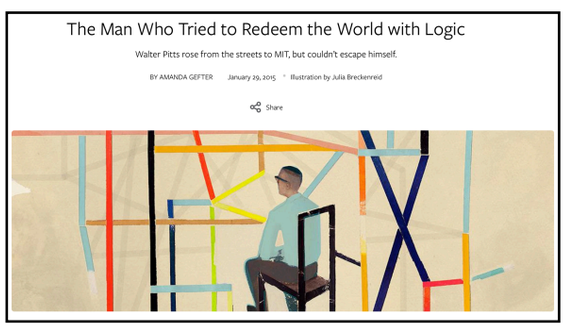
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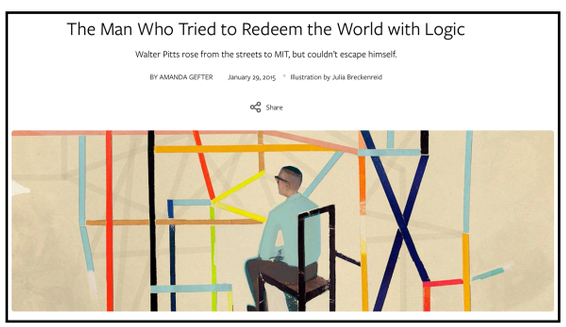
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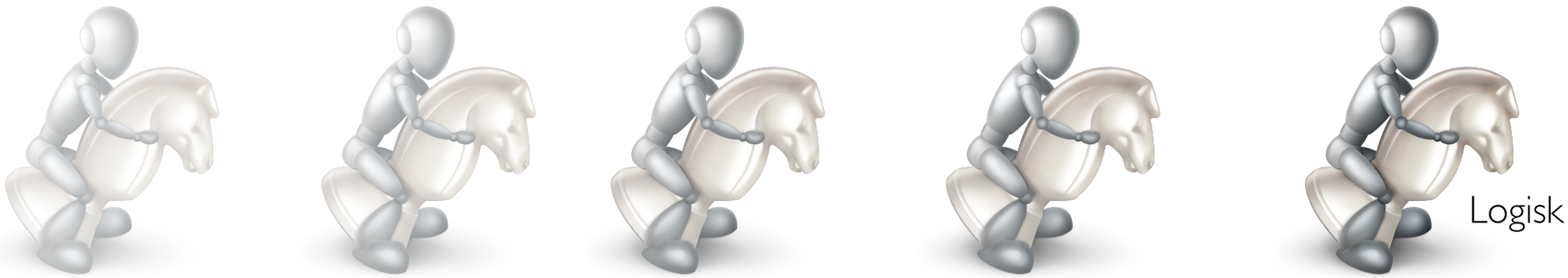
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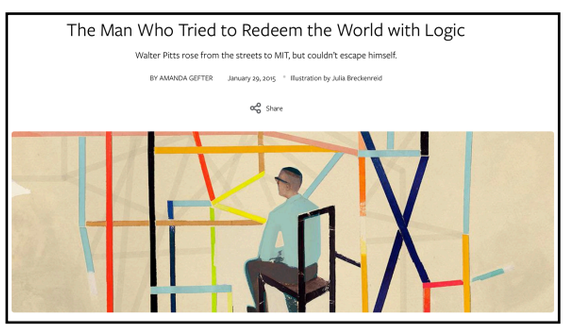
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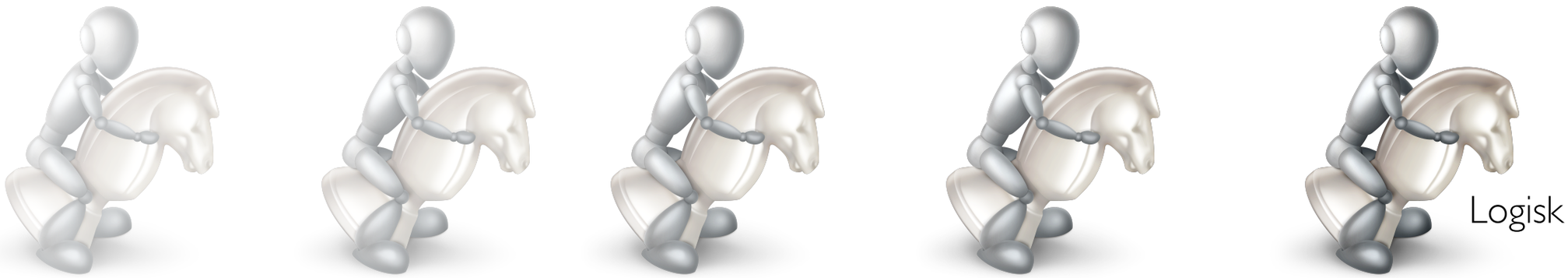
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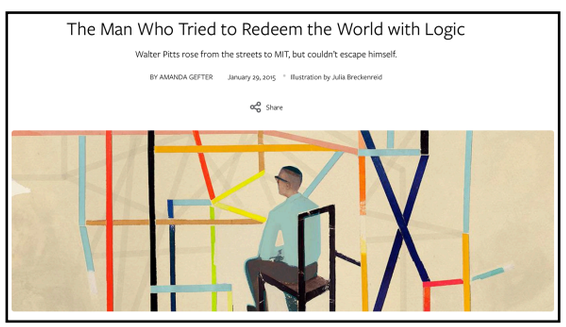
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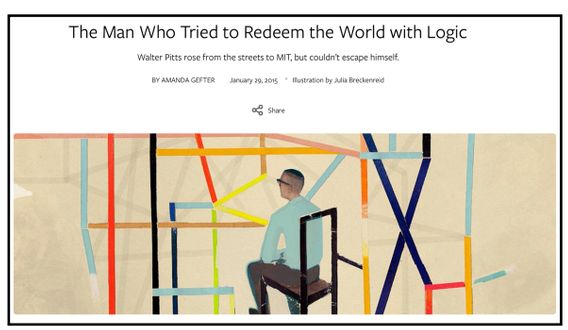
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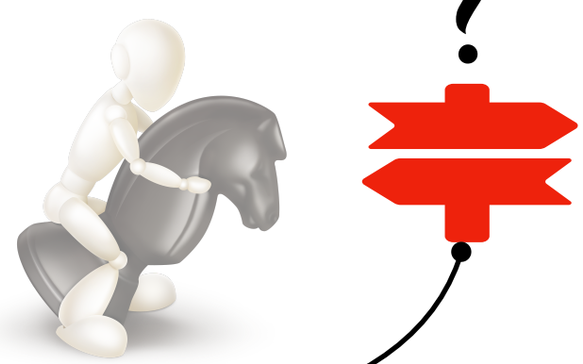
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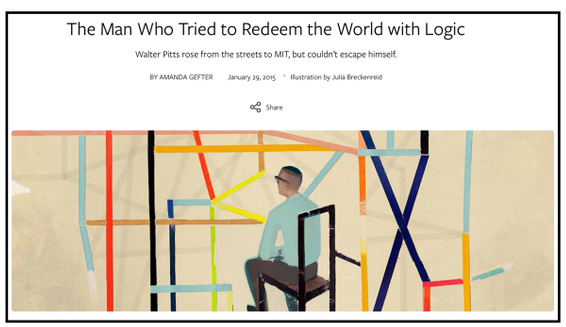
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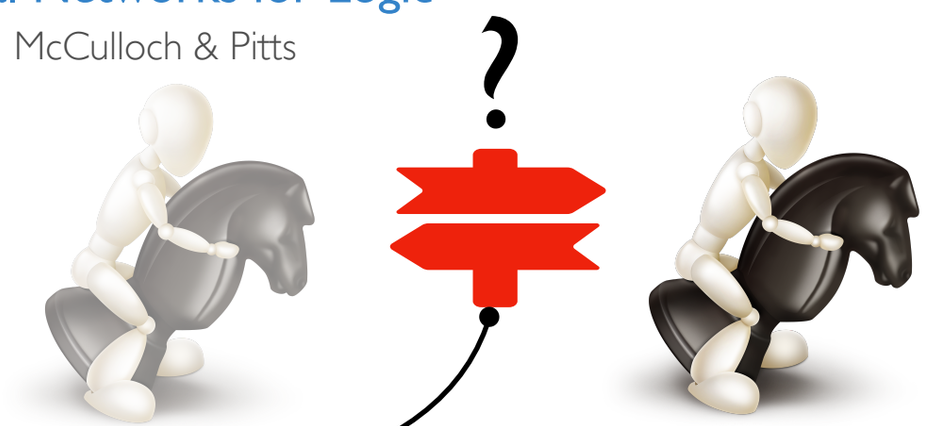
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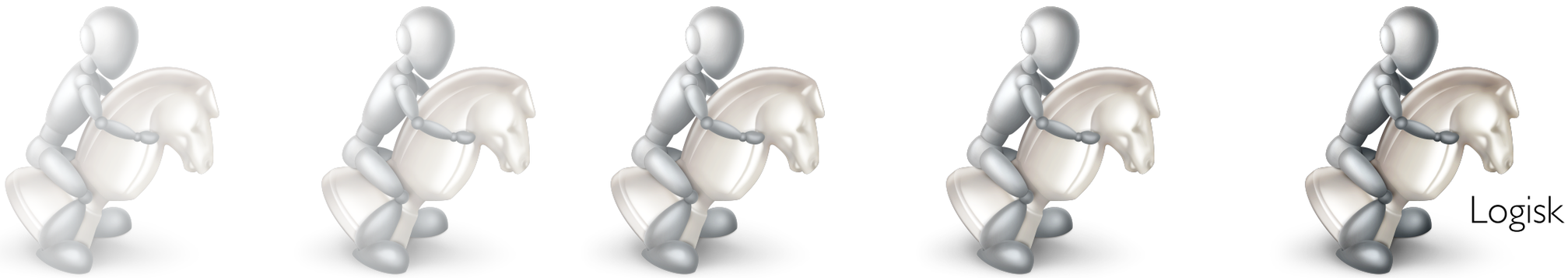
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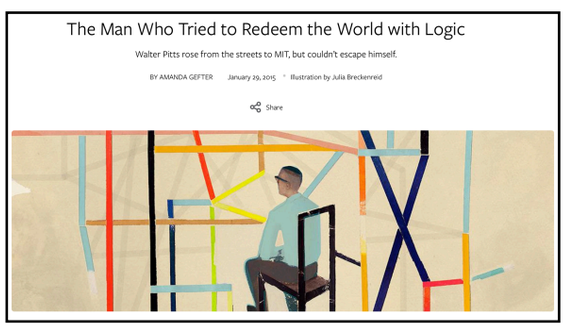
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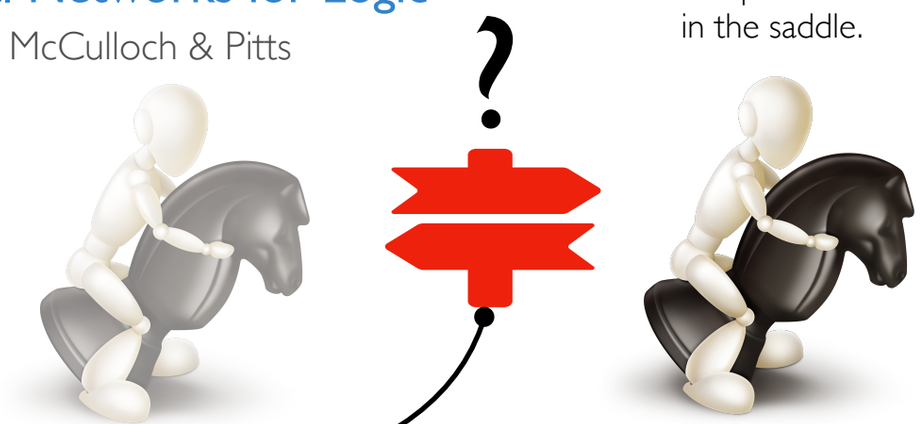
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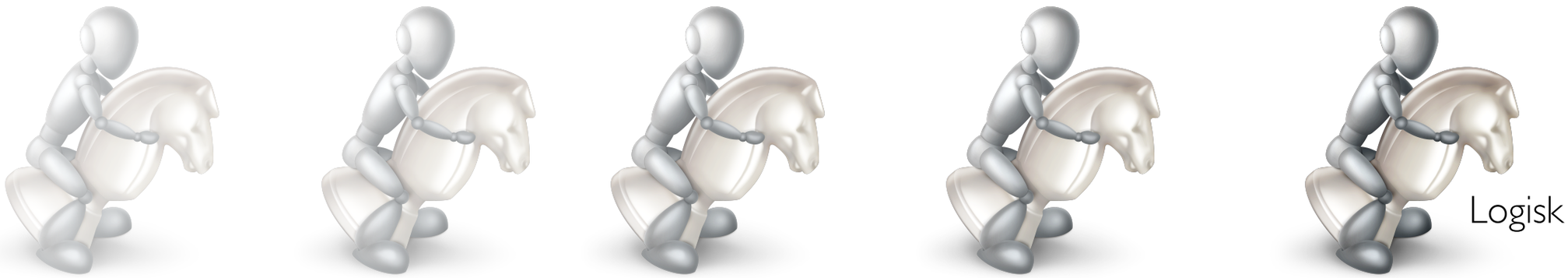
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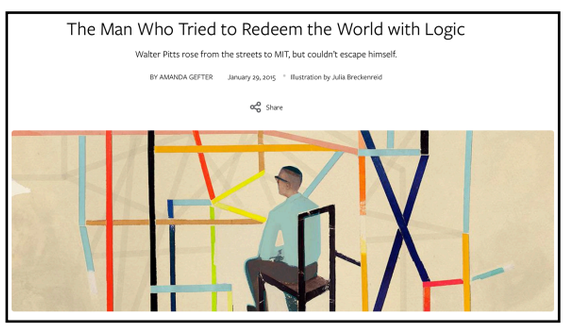
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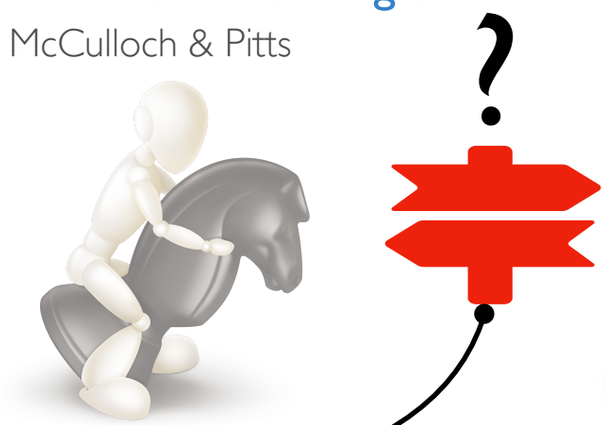
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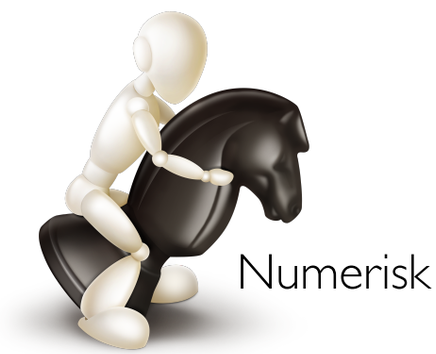
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1943

Birth of Modern AI

LogicTheorist

1956

OLCSU

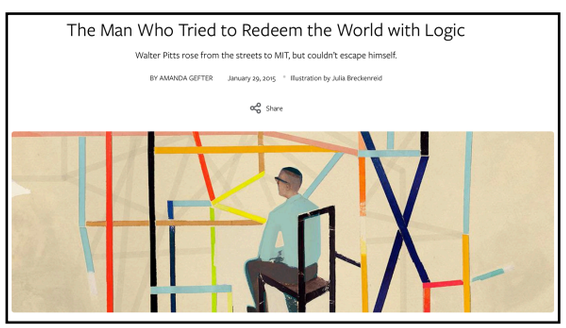
Only Logic Can Save Us, i.e. only Logisk can save us.

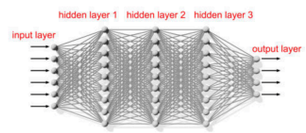
2026

"Danger, Will Robinson!"

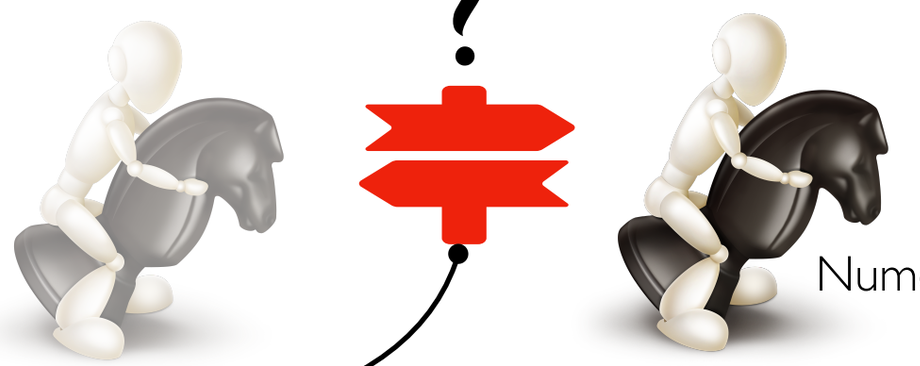
Neural Networks for Logic

McCulloch & Pitts





Deep Learner in the saddle.



Unfortunately, AI's Great Divorce …



325 BC

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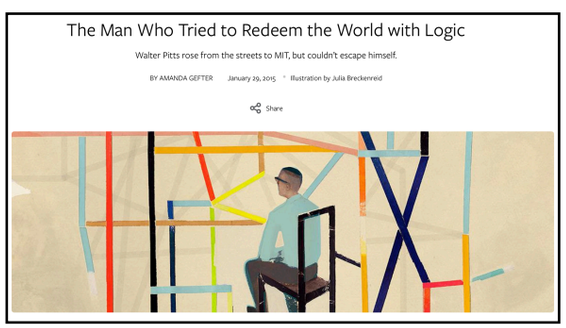
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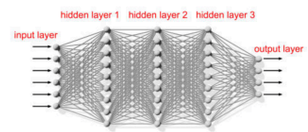
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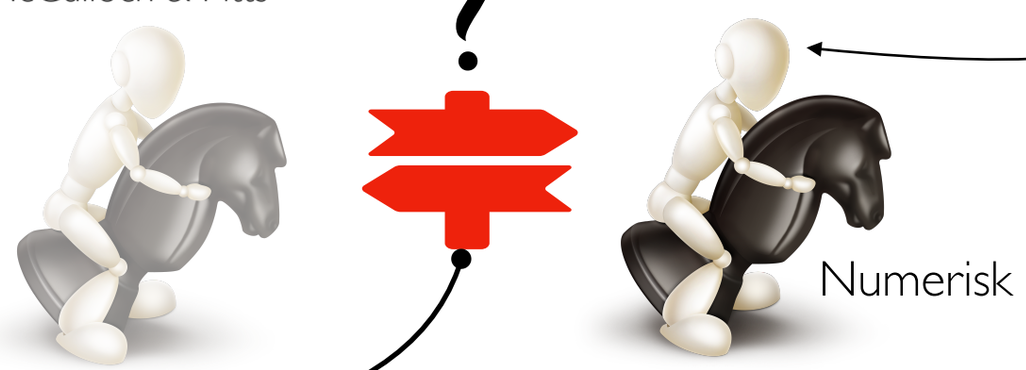
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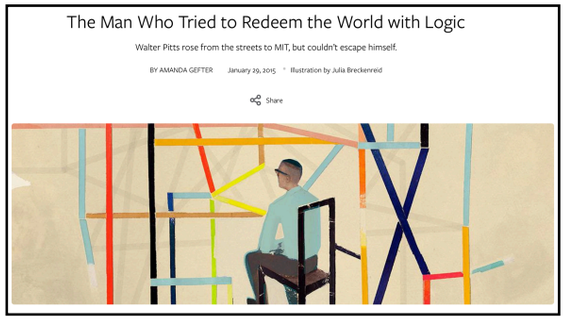
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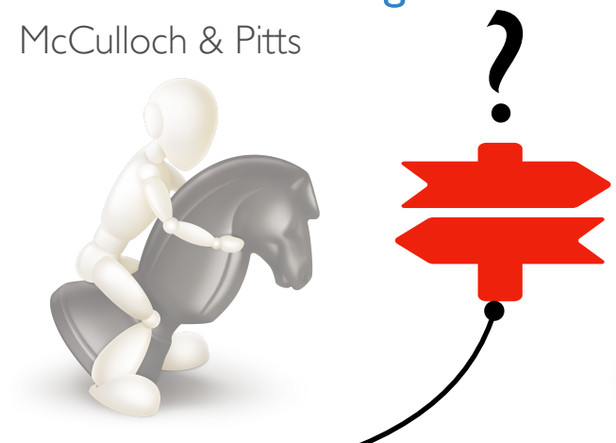
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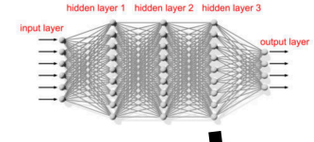
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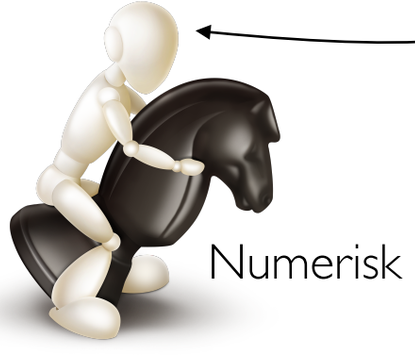
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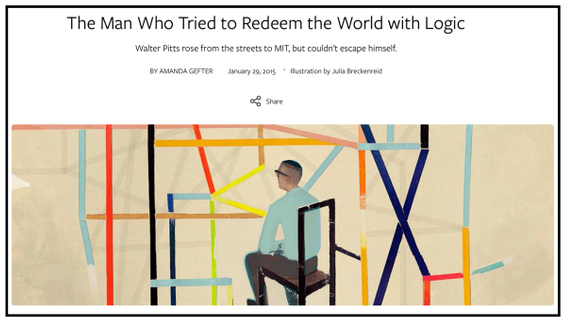
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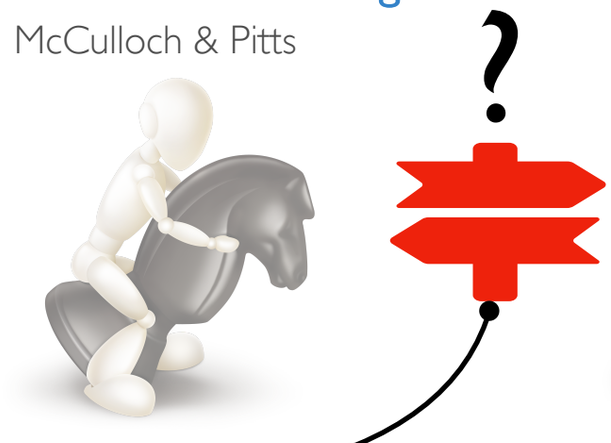
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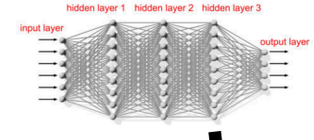
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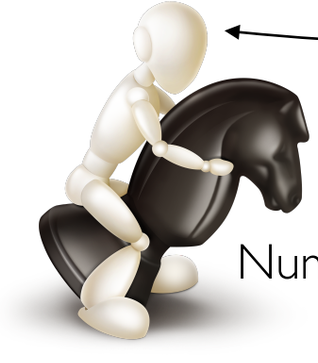
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AI@50







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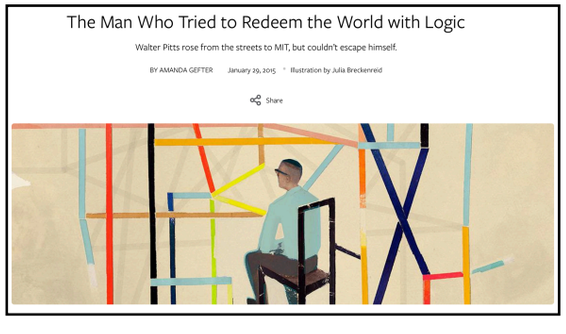
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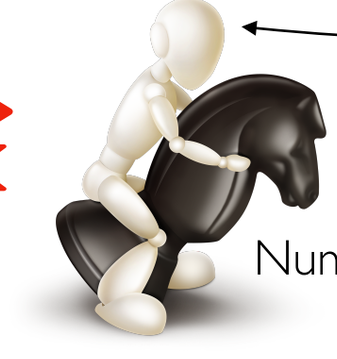


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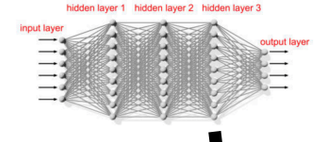


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Logikk kan gi dyp glede!