

Artificial Intelligence as Civilized Man's Deadly Sin

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Civilized Man's Eight Deadly Sins

by Konrad Lorenz, 1972

1. Overpopulation

2. Devastation of the Environment

3. Man's Race Against Himself

4. Entropy of Feeling

5. Genetic Decay

6. The Break with Tradition

7. Indoctrinability

8. Nuclear Weapons

Not associated with AI

Not associated with AI

Associated with AI

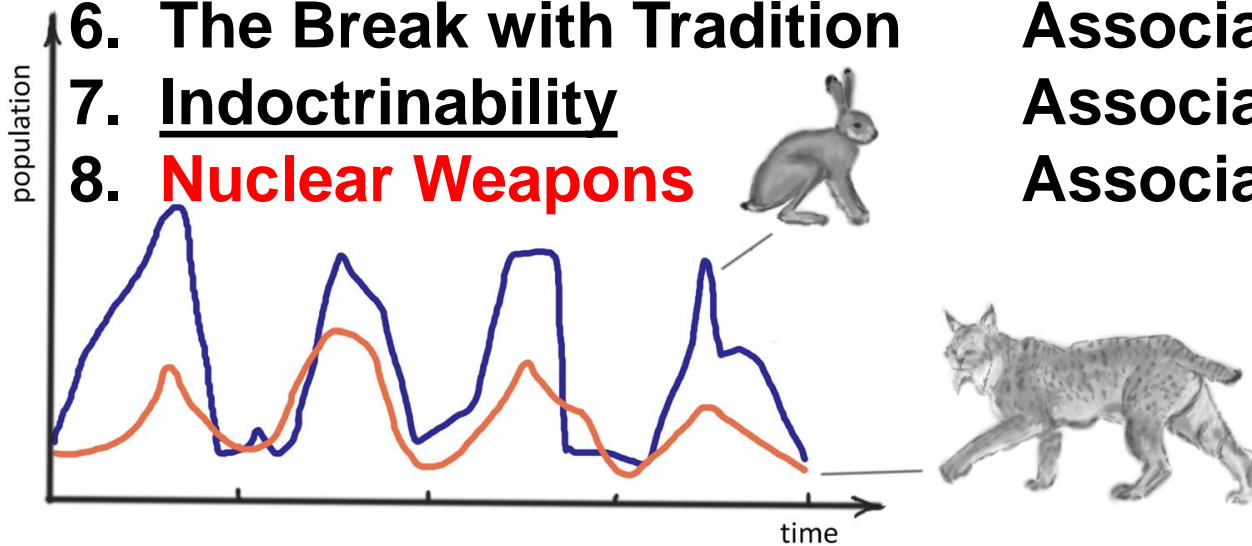
Associated with AI

Associated with AI(?)

Associated with AI

Associated with AI(!)

Associated with AI



Each of them will destroy some negative feedbacks and can destroy Homeostasis

Indoctrinability as the civilized mankind's mind's disease.

Most of us— and we must realize this— love our hypotheses.

...

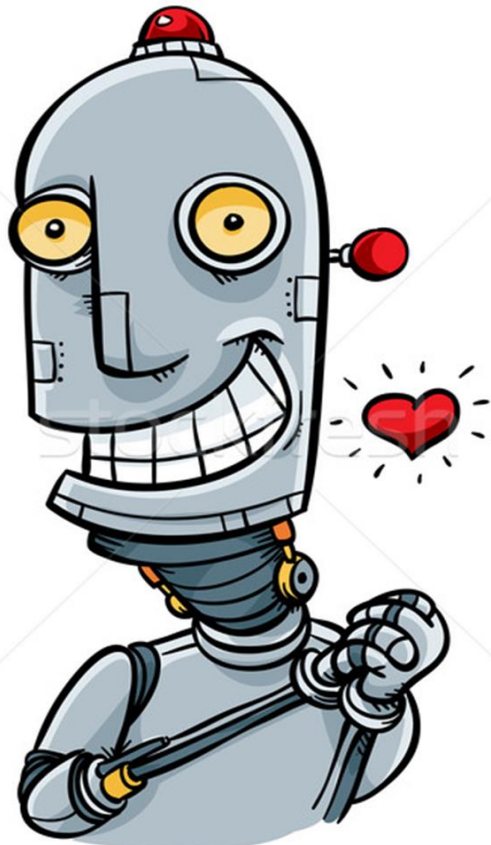
... our adherence will be strengthened by the mass effect of an opinion shared by many people

Konrad Lorenz.

- **Science fiction writers in 1950-1970 and marketers after 1990 formed mass opinion, and**
- **as a result there is a gap between reality and promises.**
- **Marketers form the research agenda. It's dangerous.**

Back to 1972

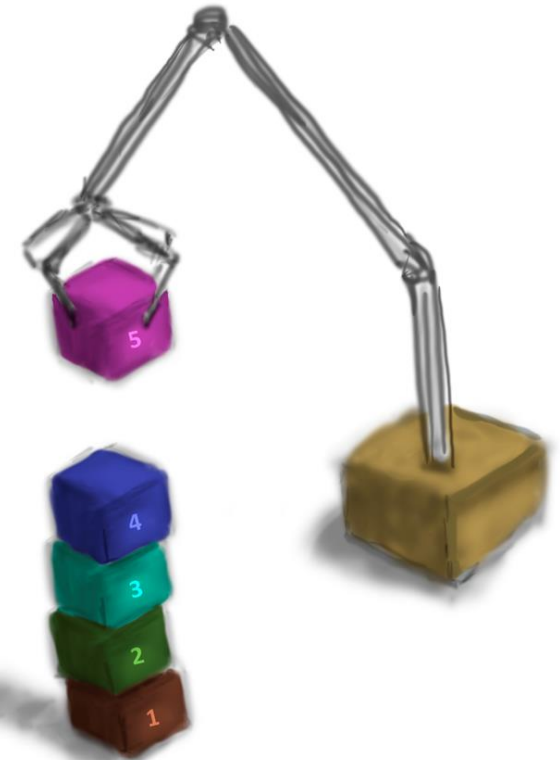
In science fiction (1950s and 60s), robots were capable not only to serve a man, but also to get out of his control, and even to love.



Reality

Robots with AI could put a turret of 4 cubes using a "hand" type manipulator.

For the 5th cube intelligence was not enough.



2018 “The future is here – AlphaZero learns chess” *And it won the computer chess champion*

Alpha Zero – Stockfish

1. Nf3 Nf6 2. d4 e6 3. c4 b6 4. g3 Bb7 5. Bg2 Be7 6. 0-0 0-0 7. d5

- The reaction of the international press was enthusiastic, comparable to the reaction when Deep Blue won the match against Garry Kasparov 20 years ago.
- But the reactions were also markedly uncritical.
- Mankind took a great step forward (to where?).



7...exd5 8. Nh4

AlphaZero vs Stockfish

Was the fight fair?



For the "equalization of conditions" Stockfish has been disconnected from databases with openings and endgames.

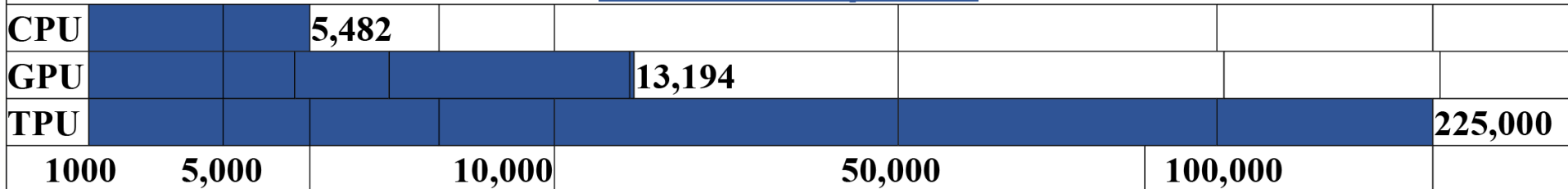
AlphaZero vs Stockfish

Result

Game	White	Black	Win	Draw	Loss
Chess	AlphaZero	Stockfish	25	25	0
	Stockfish	AlphaZero	3	47	0

But for the "equalization of conditions" Stockfish has been disconnected from databases with openings and endgames. At the same time, Stockfish used a standard CPU, while AlphaZero exploited a fundamentally new tensor processor which gave AlphaZero an additional advantage.

■ Predictions per sec



Success of the hardware but not of the intelligence!

Humankind has good chance to kill itself with or without AI help

- We conclude that one should not fear the emergence of super-artificial intelligence at the moment.**
- But the danger of AI is rather indirect.**
- Humankind has a good chance to kill itself much quicker by continuing to follow the other eight sinful traditions.**
- The main danger is Indoctrinability that is the civilized mankind's mind's disease. Other dangers are consequences of that disease.**



Thanks