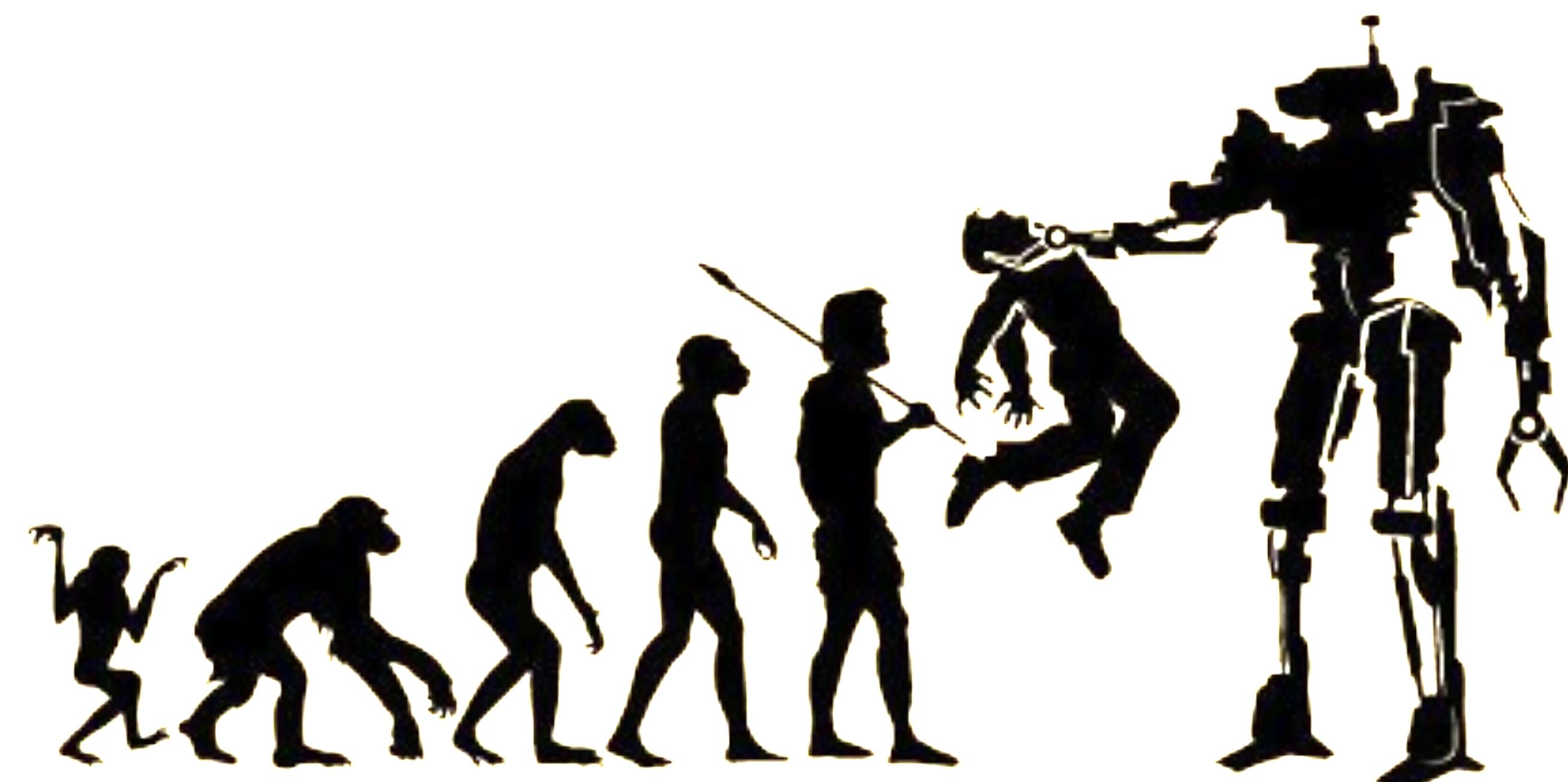


mens en machine



2040

“

Cognitive computing

“

Cognitive computing describes technology that is based on the disciplines of artificial intelligence and signal processing.

Platforms that use machine learning, reasoning, natural language processing, speech recognition and object recognition, human-computer dialogues and narrative generation.

“ “

artificial intelligence

signal processing

machine learning

reasoning

natural language processing

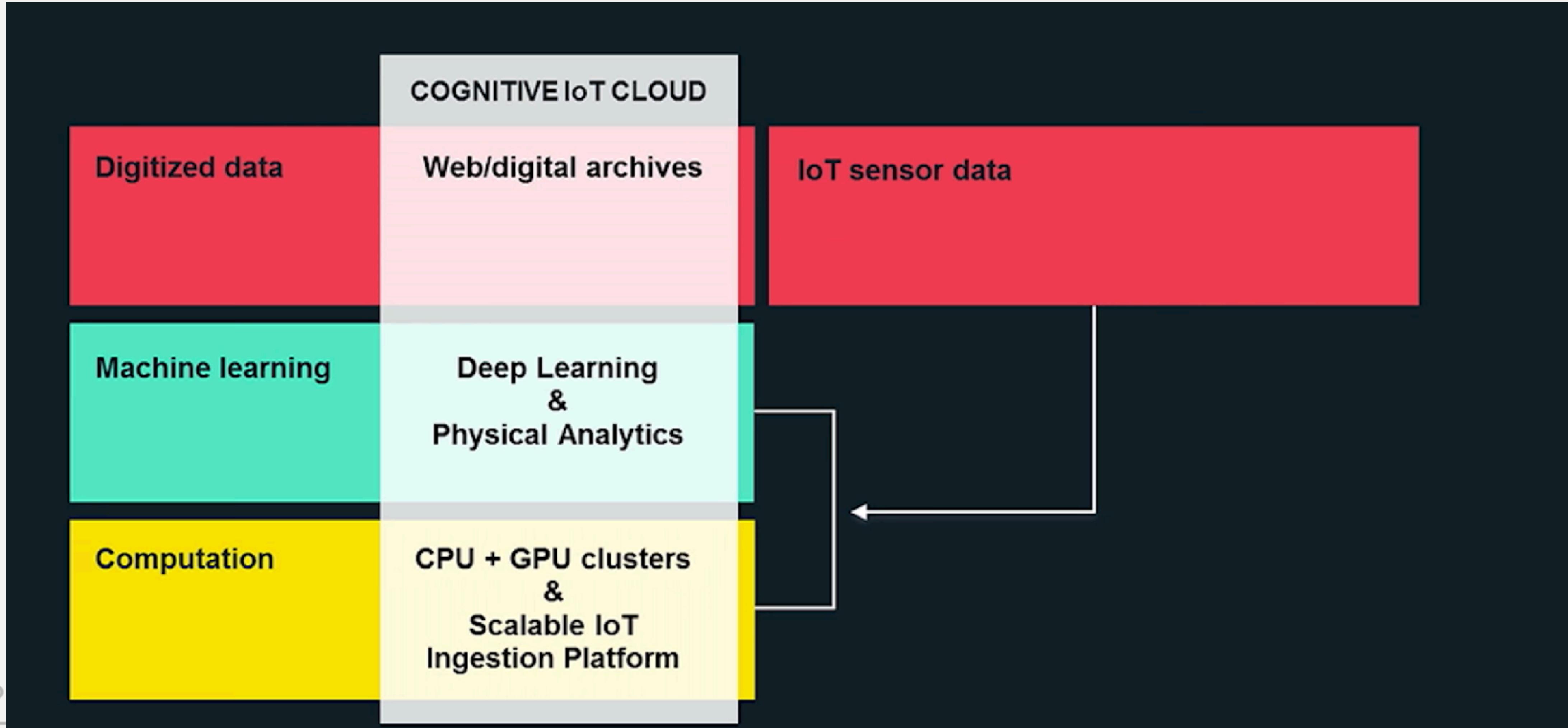
speech recognition

object recognition

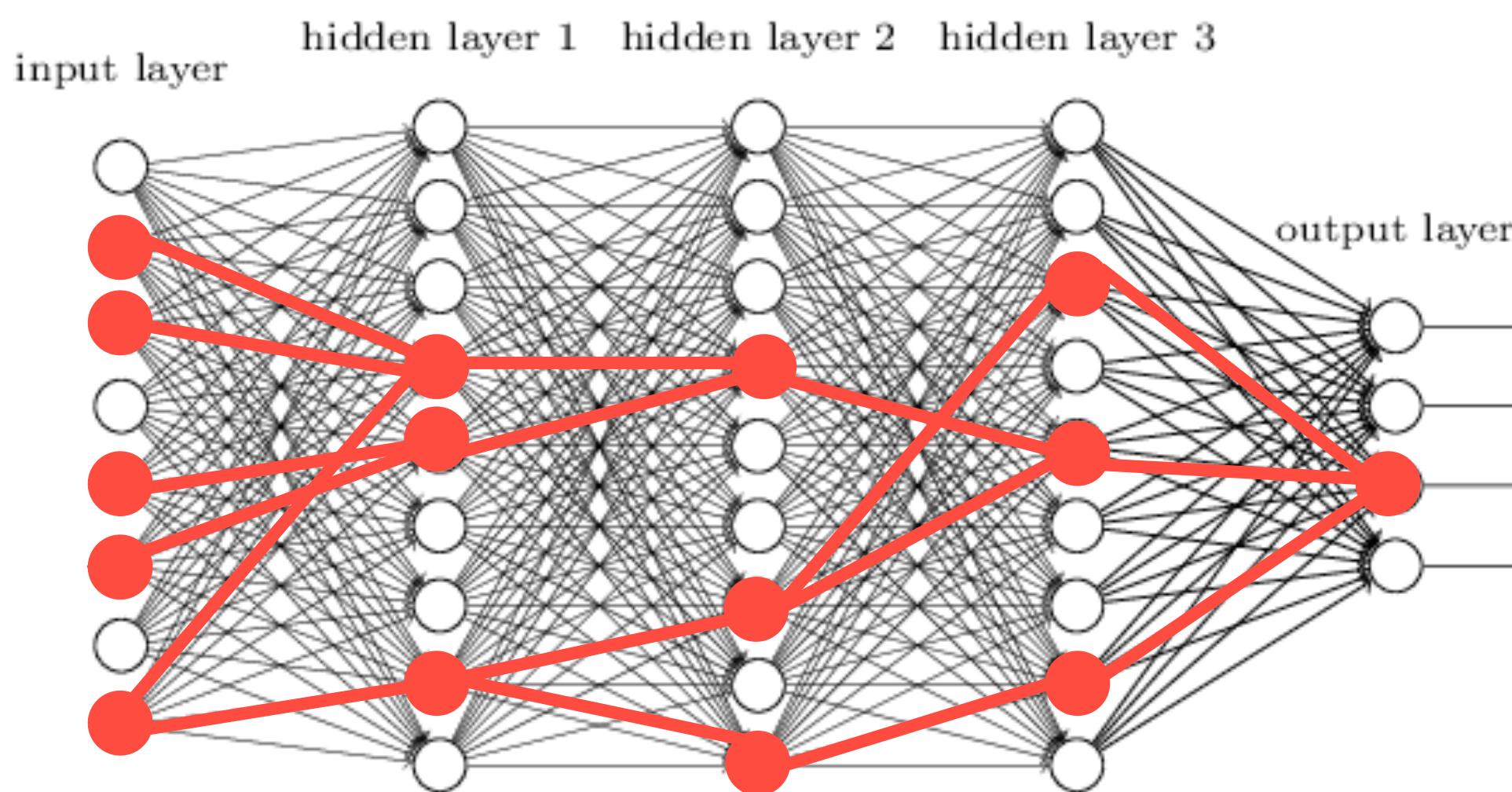
human-computer dialogues

narrative generation

Waarom nu ?



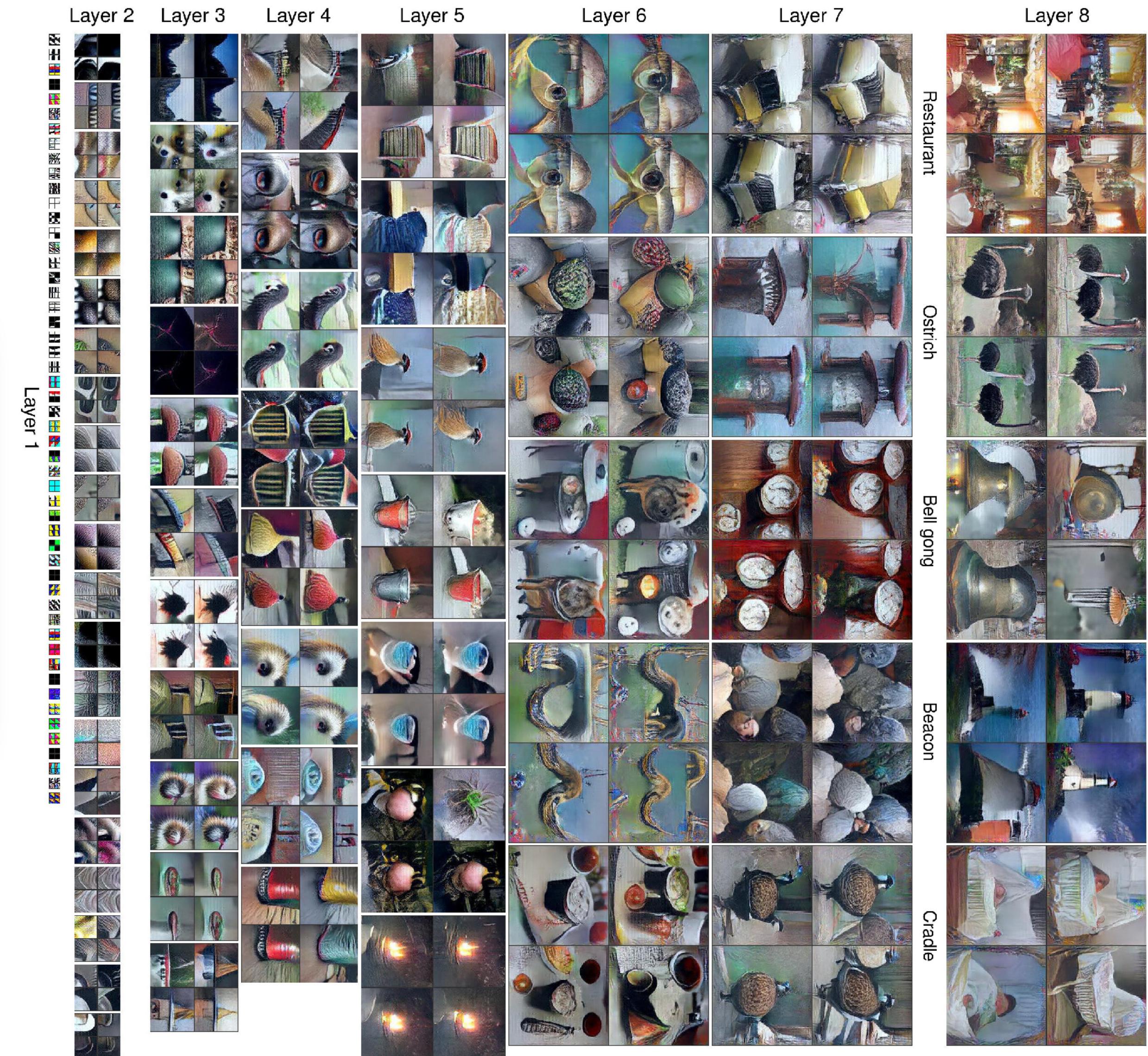
Input



Output



Input



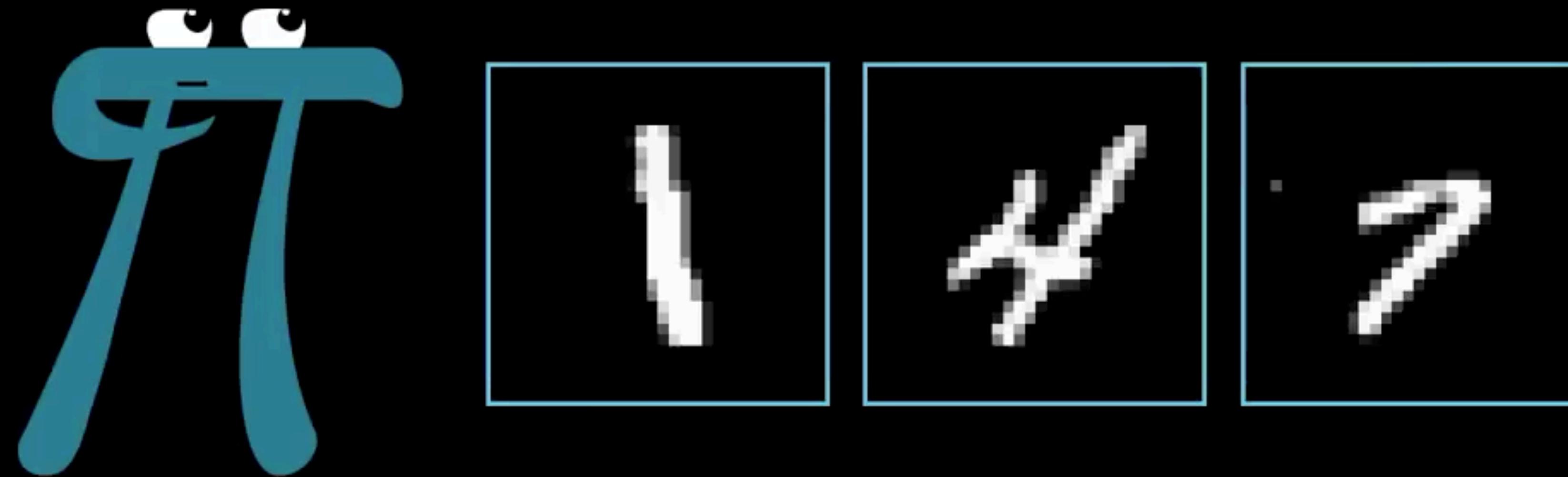
Output



Ostrich

$$\text{circle} = \text{cyan pen} + \text{green pen} + \text{yellow pen} + \text{orange pen} + \text{red pen}$$

$$\text{pen} = \text{pink pen} + \text{purple pen} + \text{dark purple pen}$$



Input



Output



Het *if this then that* algoritme
heeft zijn beste tijd gehad

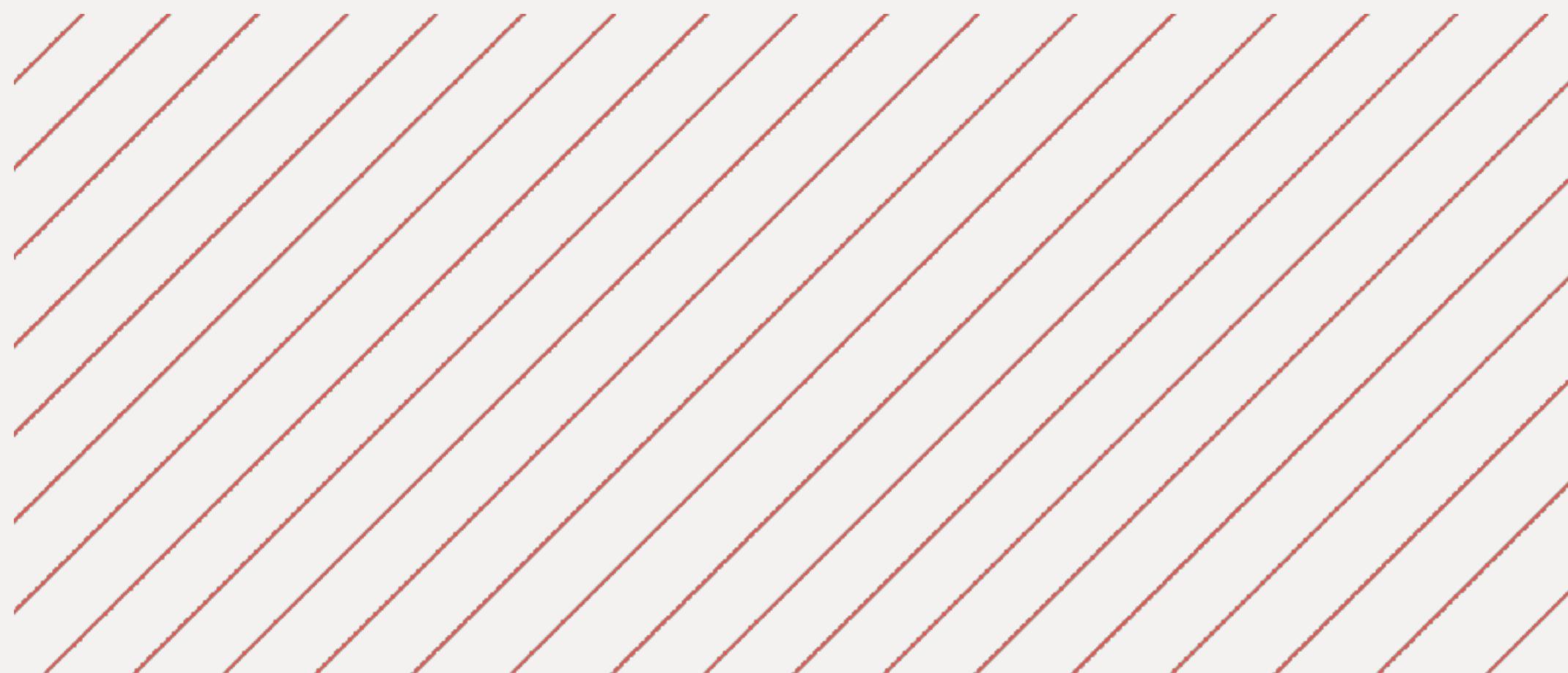
Is die blackbox gevaarlijk?

Persoonlijke
Details

Person X

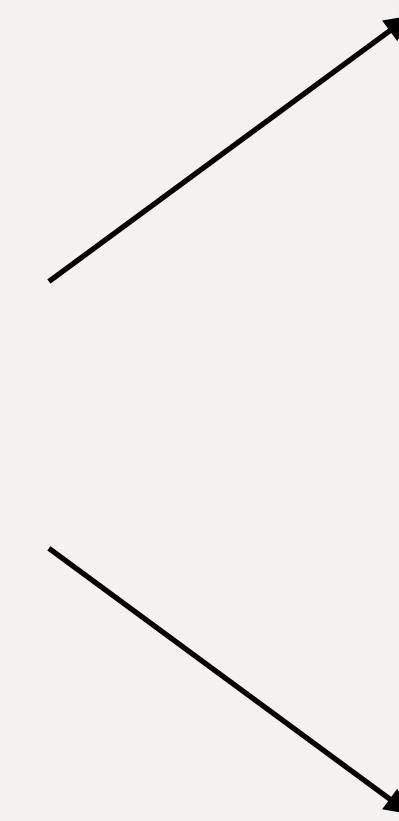
Bewijs

Verborgen lagen



Schuldig

Niet
Schuldig



*Enkele positieve praktische
toepassingen van dit alles....*

Autonom **rijden**

Waymo

Self-driving cars in public trial

- *Google* Company
- 82.000 orders
- binnen 5 jaar
- 15000 taxi's in NY

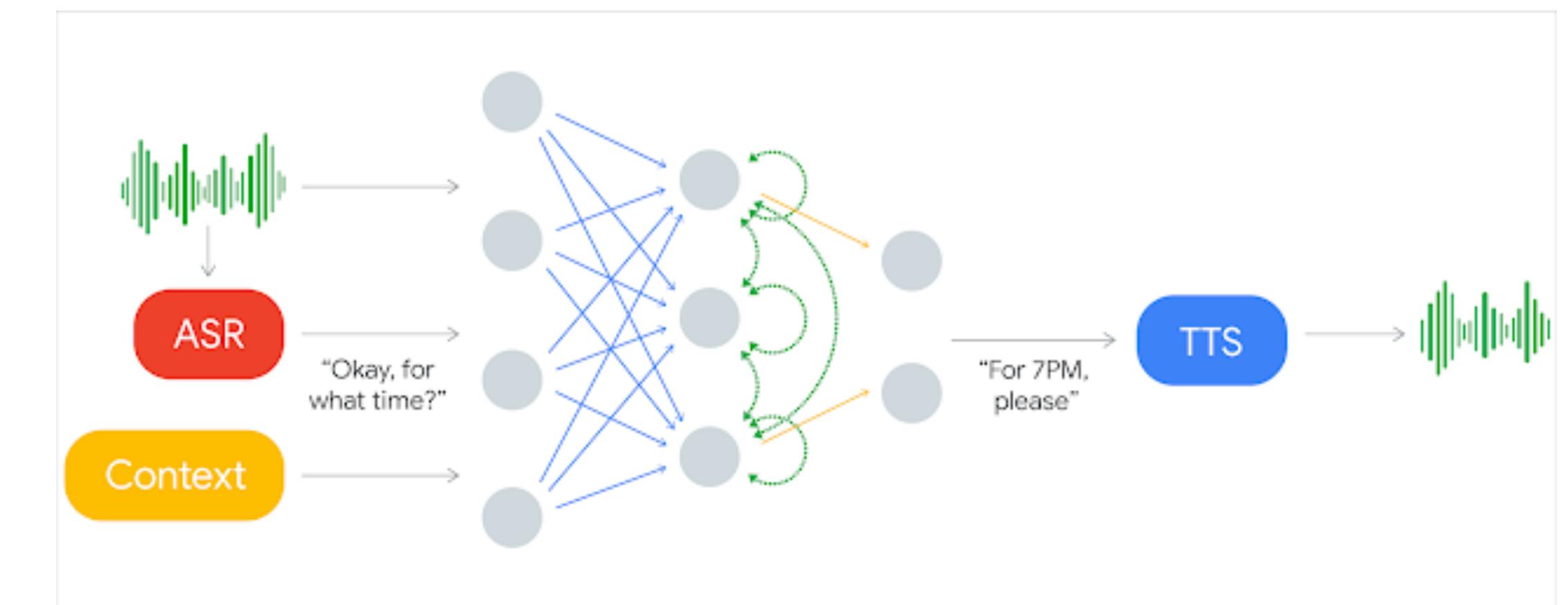


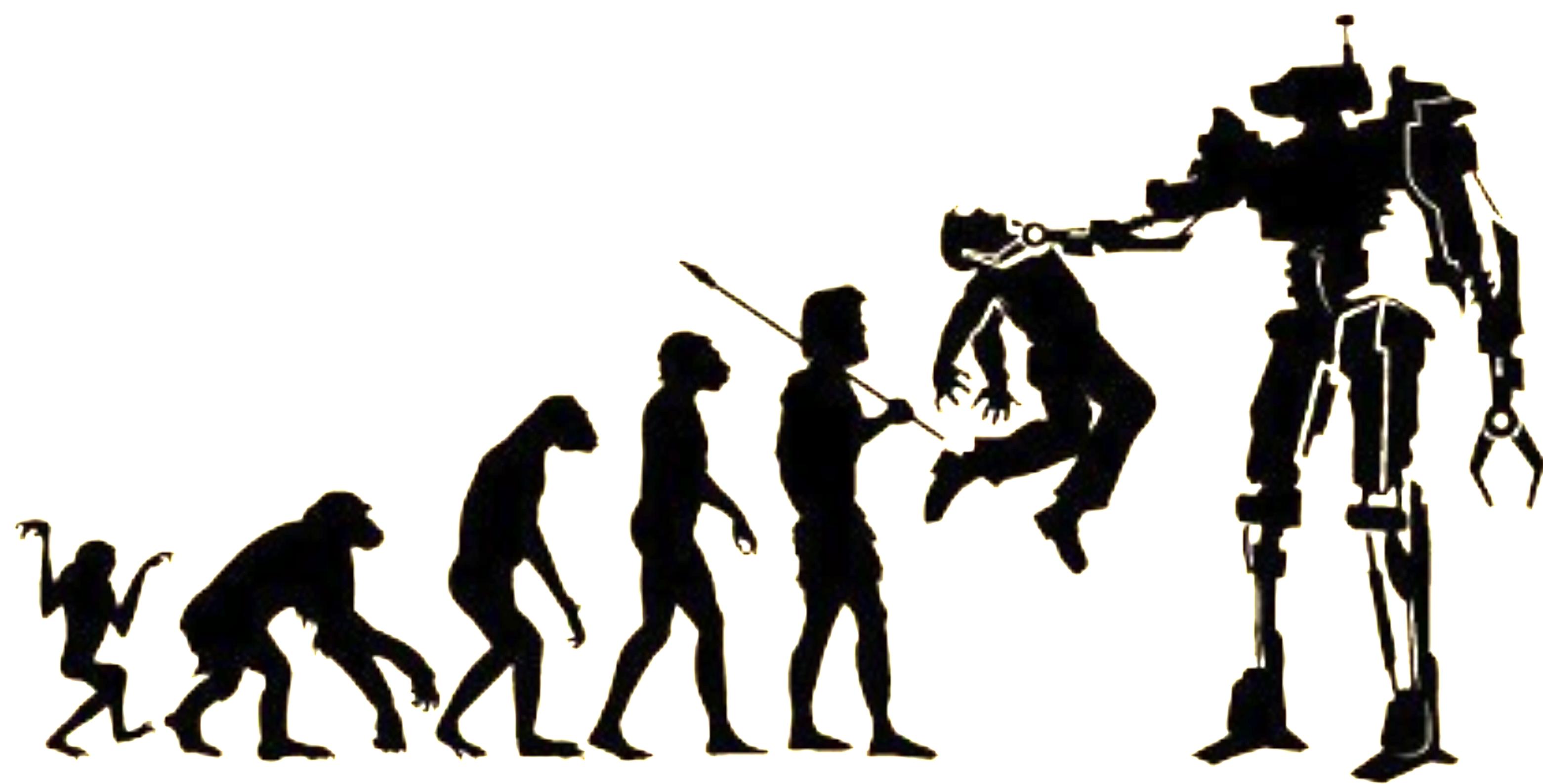
A dark, overexposed photograph of a residential street covered in snow. Several houses with snow-laden roofs are visible in the background. In the foreground, a white minivan is parked on the left, and a dark sedan is parked on the right. A utility truck is driving away from the camera in the center. The scene is very bright and lacks detail due to the overexposure.

ExpovistaTV

Google Duplex

Real-world tasks over the phone

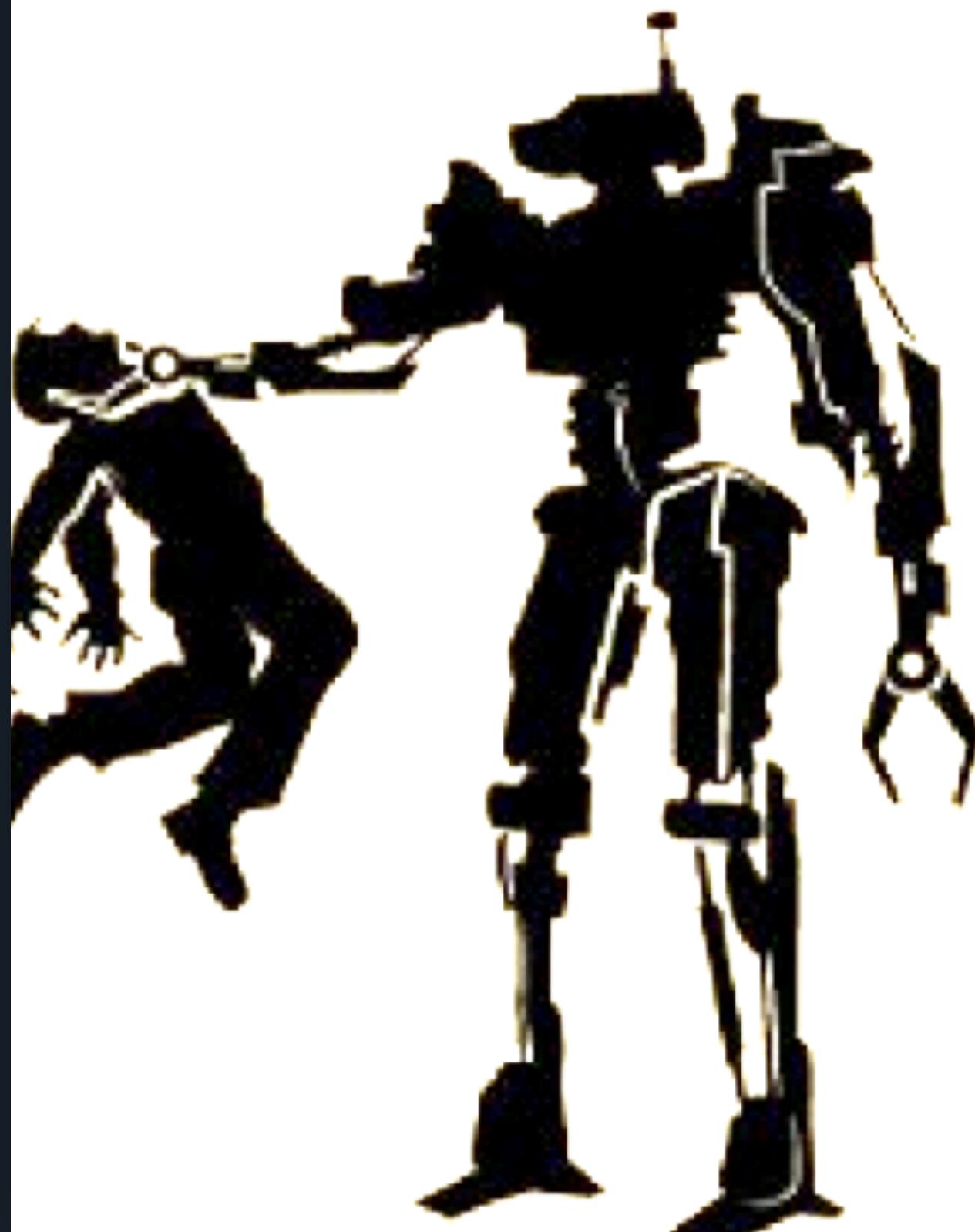




Asia & Pacific

China's plan to organize its society relies on 'big data' to rate everyone

By [Simon Denyer](#)



BEIJING — Imagine a world where an authoritarian government monitors everything you do, amasses huge amounts of data on almost every interaction you make, and awards you a single score that measures how “trustworthy” you are.

In this world, anything from defaulting on a loan to criticizing the ruling party, from running a red light to failing to care for your parents properly, could cause you to lose points.

And in this world, your score becomes the ultimate truth of who you are — determining whether you can borrow money, get your children into the best schools or travel abroad; whether you get a room in a fancy hotel, a seat in a top restaurant — or even just get a date.



Wie beoordeelt en bepaalt de input?

Wie beoordeelt de output, het leren ?

Wat wordt het centrale beloningsmechanisme?

Welke status geven we de nieuwe algoritmes?

=> *handelingsvrijheid, maatschappelijke importantie*

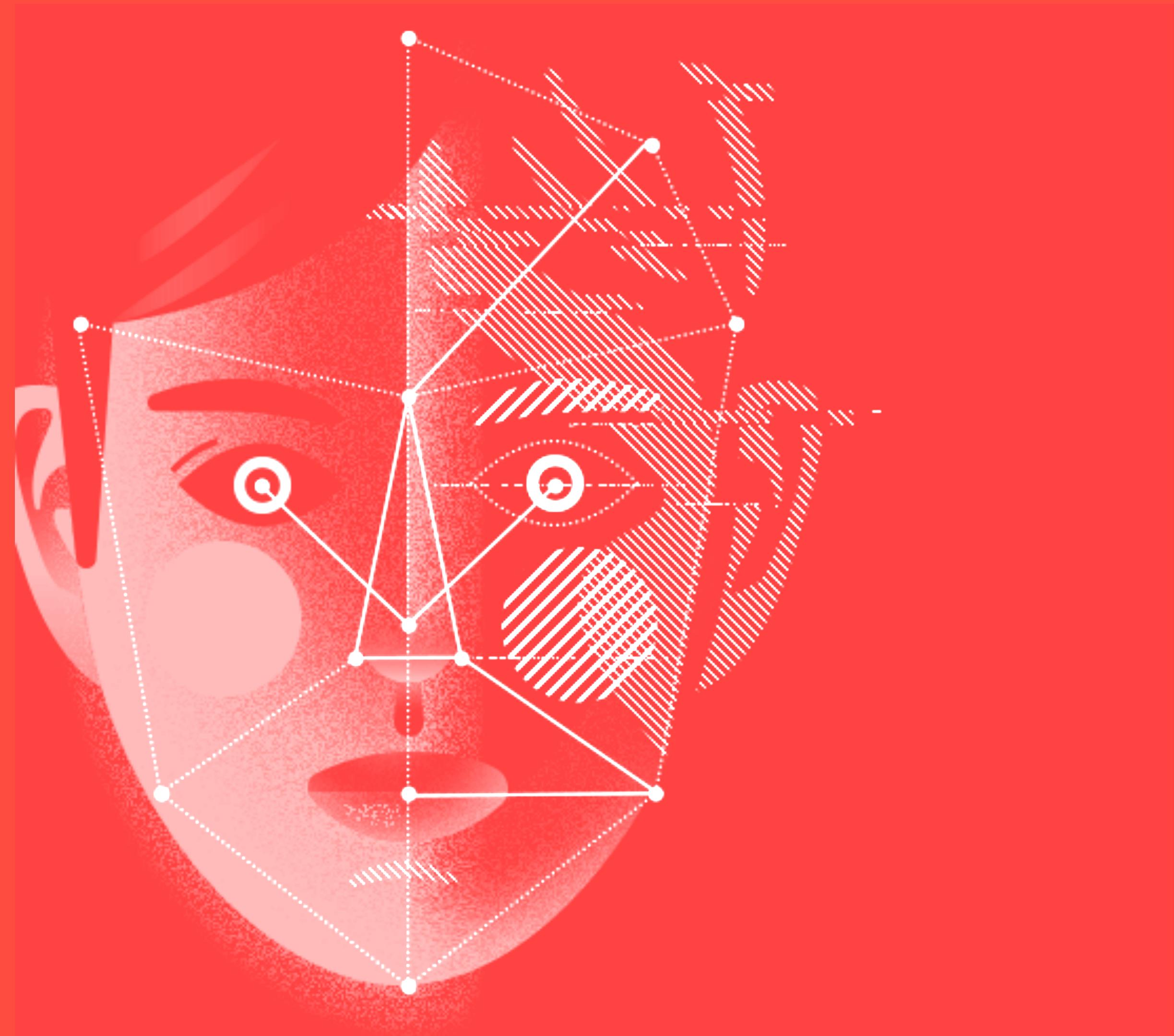


Waar en hoe expliciet zetten we dit in?
=> *sales, belastingen, banken, verzekeringen, politie, ..*

Wat doe dit met reeds rammelende cybersecurity?
=> *hackbaarheid dienstverleningen, huwaidebat?*

Wat doet dit met het ideaalbeeld opleiding kinderen?

Hoe blijven we 'in charge' zonder technologie te zien als bedreiging?



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