

Generativ kunstig intelligens: muligheder og udfordringer

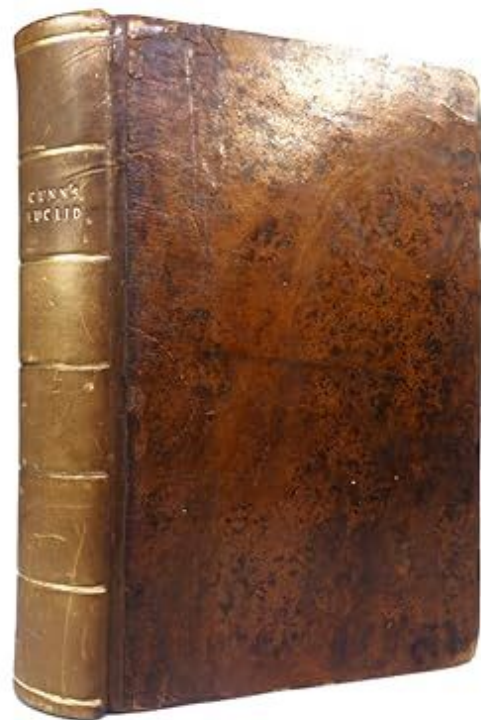
Anders Søgaard

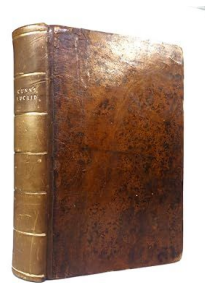
coASTal



Hvorfor?







15th century



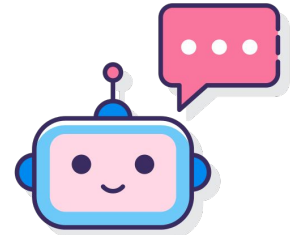
20th century



1990s



2020s



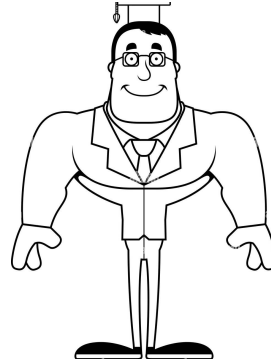


International Morse Code

A	· —	N	— ·	1	· — — — —	,	· — — — —
B	— · · ·	O	— — —	2	· — — — —	;	· — — — —
C	— · — ·	P	— · — ·	3	· · — — —	?	· — — — ·
D	— · ·	Q	— — — ·	4	· · · — —	'	· — — — —
E	·	R	— · — ·	5	· · · ·	/	· — — — ·
F	· · — ·	S	— — —	6	— · · · ·	:	— — — — ·
G	— — — ·	T	— · ·	7	— — — · ·	!	— — — — ·
H	· · · ·	U	— · —	8	— — — · ·	+	· — — — ·
I	· ·	V	· · — —	9	— — — — ·	-	— · · · ·
J	· — — — —	W	— · — —	0	— — — — —	=	— · · · ·
K	— · — ·	X	— · · —	Starting Signal	— · — · —		
L	· — · ·	Y	— — — —	End of work	· · · — —		
M	— —	Z	— — — ·	Error	· · · · ·		

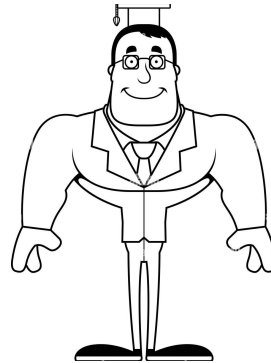
Hvordan?

4
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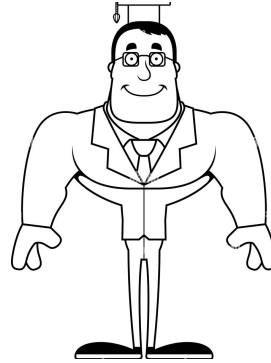
4-6-6-3
3-3-2-7
...



good, home, ...
dear, ...
...

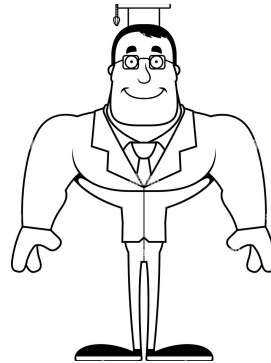


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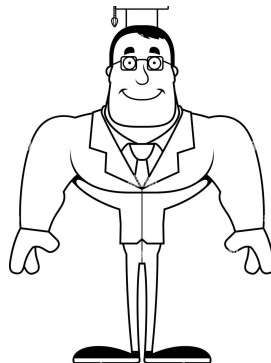
*I want you to
hey, how's it
....*



come, call, ...
going, ...
...

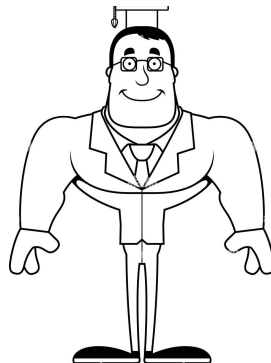


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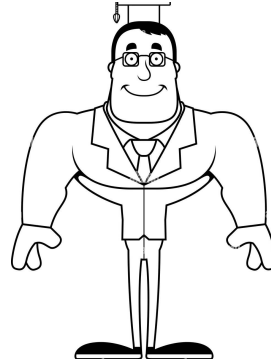
[Predict what comes after] I want you to
[Translate into Portuguese] hey, how's it
....



come, call, ...
ei, como vai, ...
...

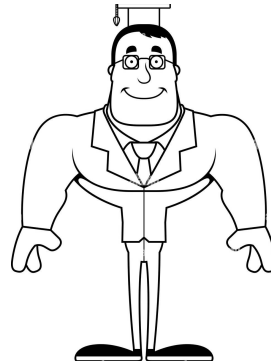


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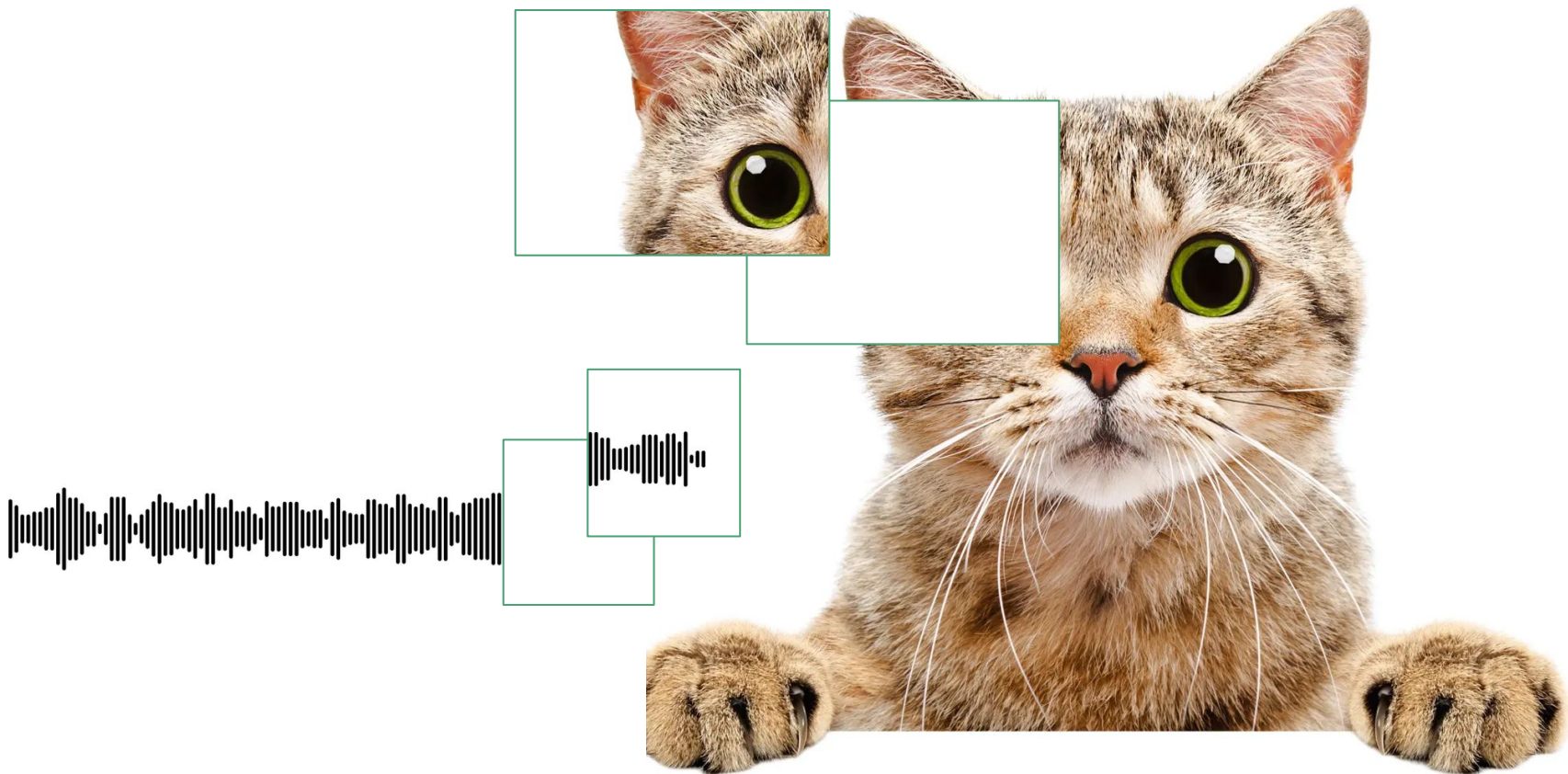


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Where is Horsens?
What is STEM?
What's a good opening line for a talk on AI?



Horsens is a city in Denmark, located ...
STEM stands for Science, Technology, ...
A strong opening line for a talk on AI could be: "Imagine a world in which machines don't just follow instructions..."



*`stitching together sequences
of linguistic forms . . . without
any reference to meaning: a
stochastic parrot'*





Input image classes



ID: n02834778

Input words & sentences

bike bicycle cycle wheel

Bike riders should follow the directional signs on ...

Bicycle theft is a crime involving theft of a bicycle.

Cell division occurs as part of a larger cell cycle.

It had a spoked steering wheel and bucket seats.

All had the required height adjustable steering wheel.

The throttle was controlled with a lever on the steer...

Vision
Encoder

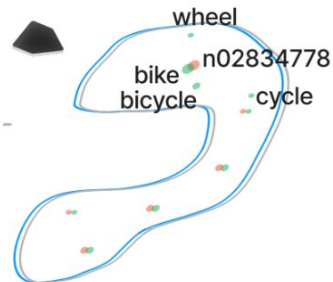
Image embeddings



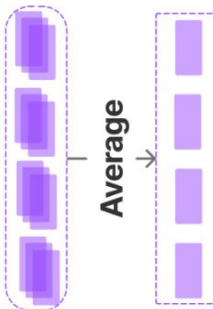
Source Space



Aligned Space



Word embeddings



Target Space



{description: 'cat',
name: 'damn good
cup of coffee'}

'cat'



'Katze'

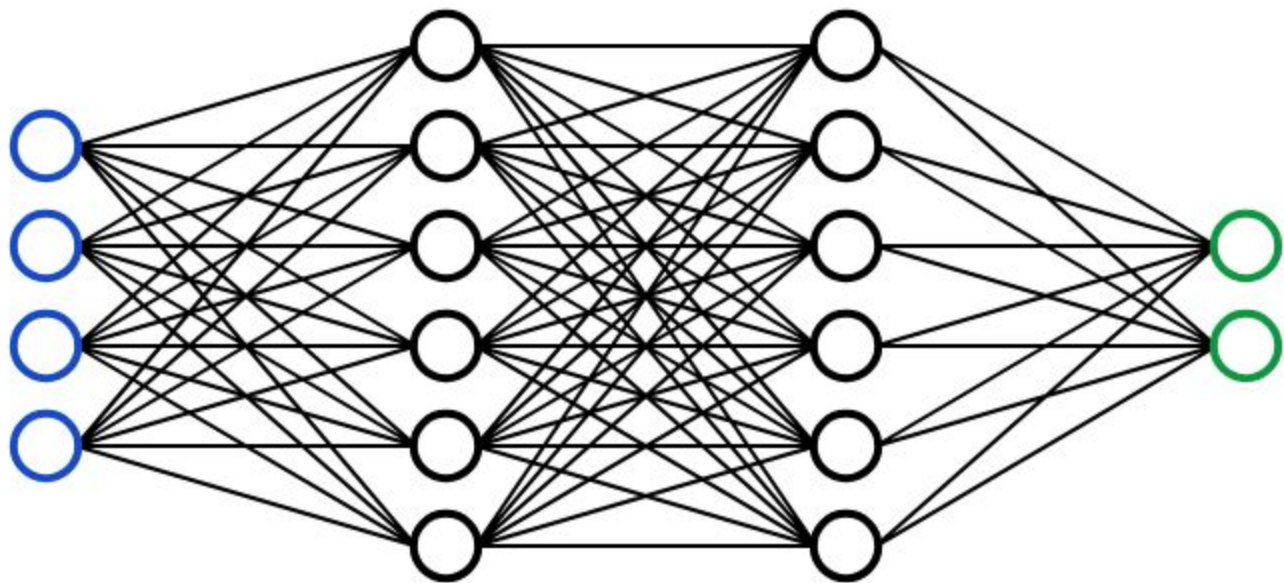


The **cat** (*Felis catus*), commonly referred to as the domestic **cat** or house **cat**, is the only domesticated species in the family Felidae...

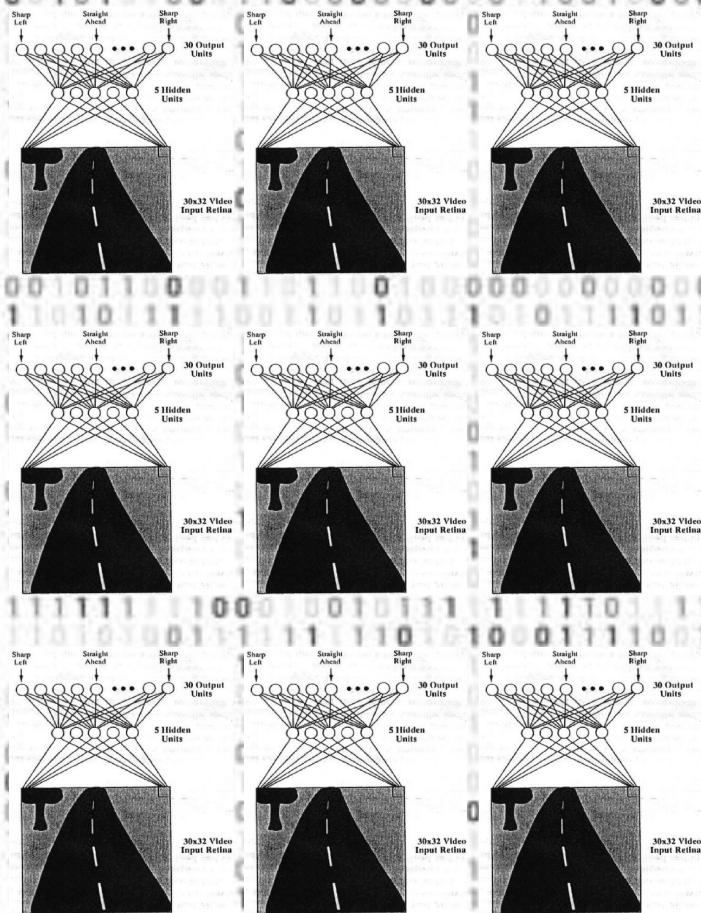
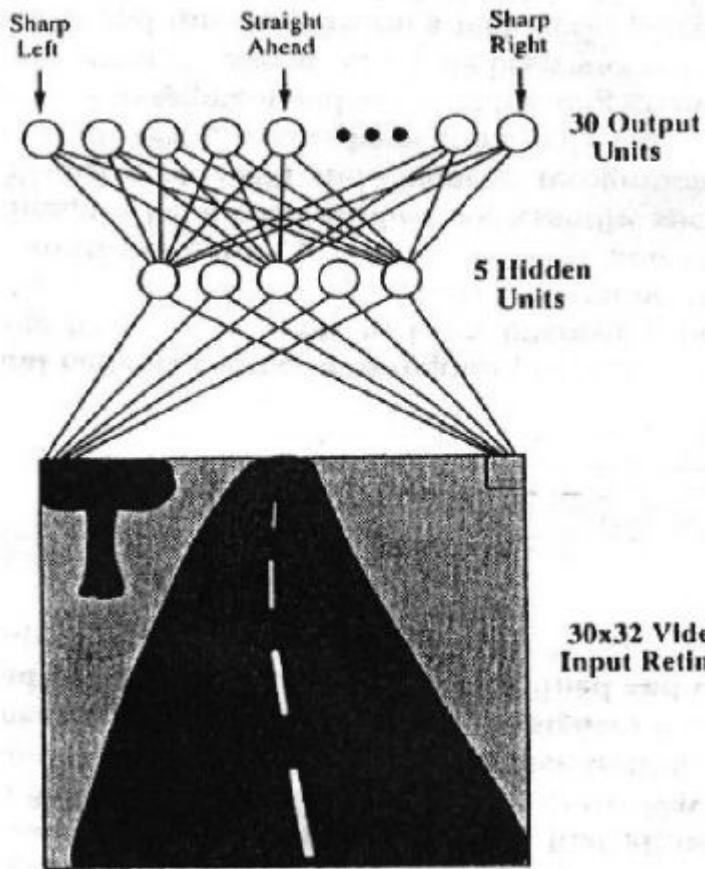
The **cat** is the only pet animal in its family. The family is called Felidae and includes lions, tigers, and ...

O **gato** (*Felis catus*), comumente referido como **gato** doméstico ou **gato** doméstico, é a única espécie domesticada da família Felidae...

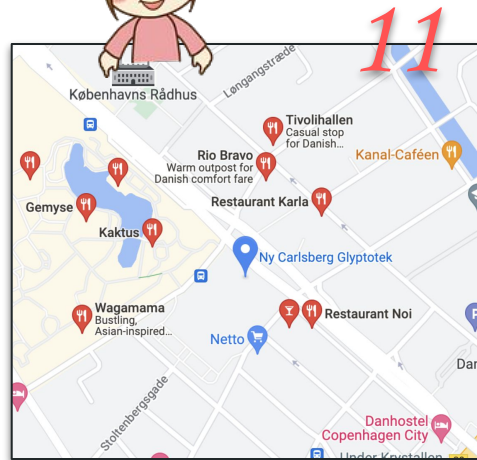
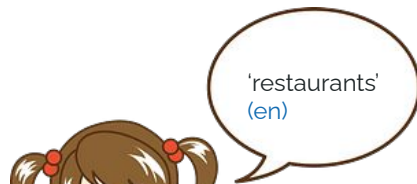
Kan de tage fejl?

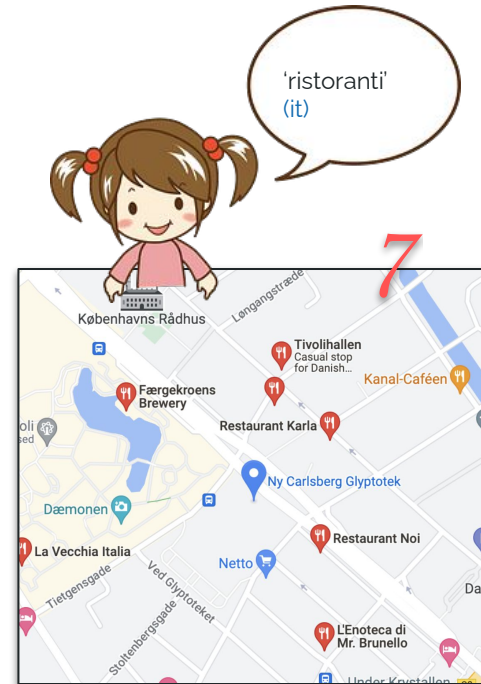
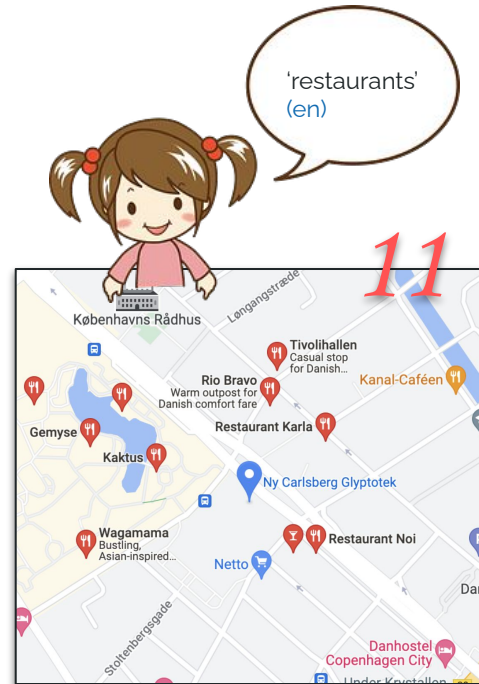






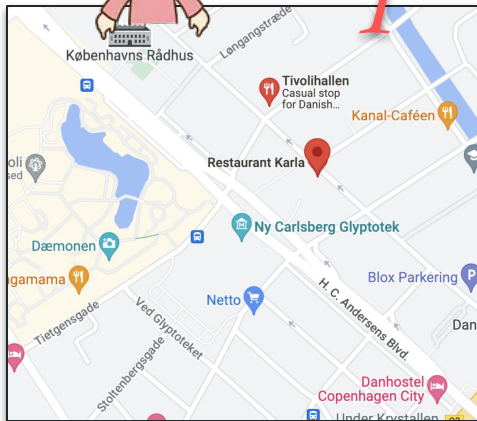
Er de gode for alle?



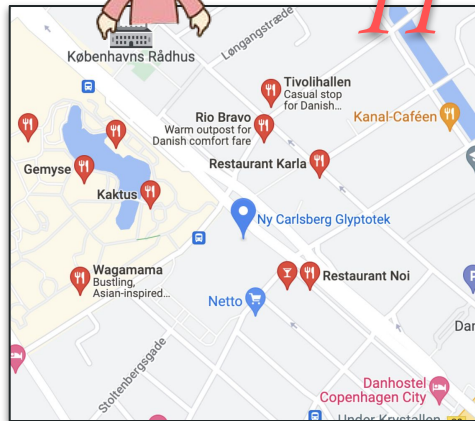




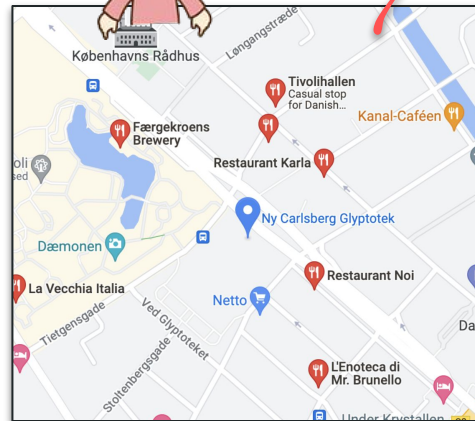
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11



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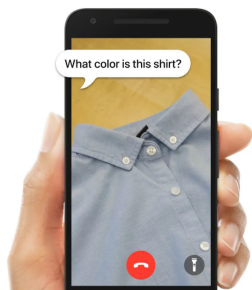
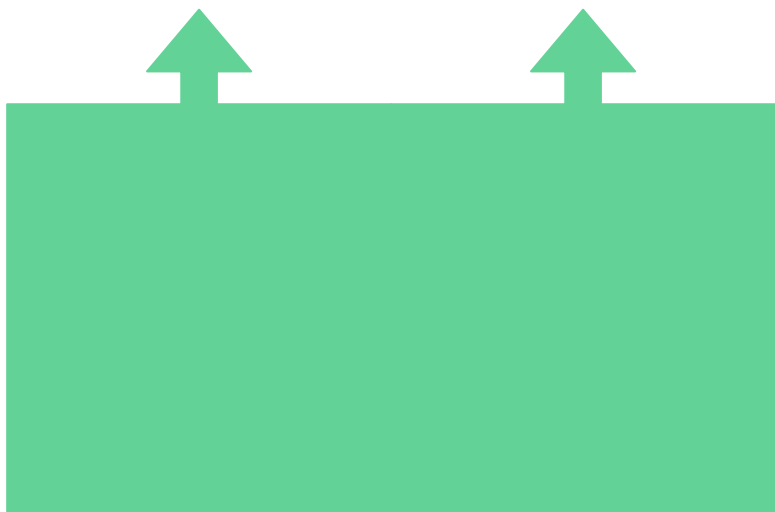


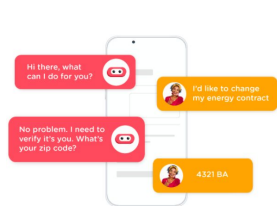
@GPT-4o-Mini Who won the world cup?

 GPT-4o-Mini Poe ...

As of October 2023, Argentina won the FIFA World Cup in 2022, held in Qatar. They defeated France in the final, which ended in a dramatic penalty shootout after a 3-3 draw. If you're asking about a different sport or year, please specify!

Værst og bedst





Language models



Gwyneth Paltrow

Snoop Dogg

Voice cloning

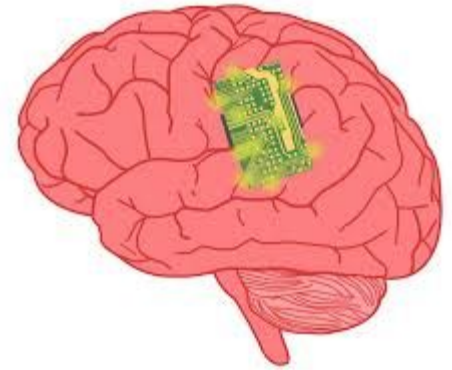
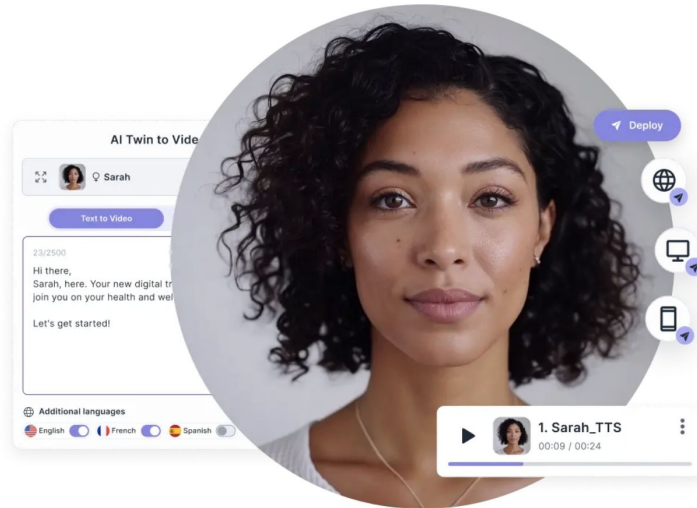


Image editing





Hvorhen?



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coAStal

