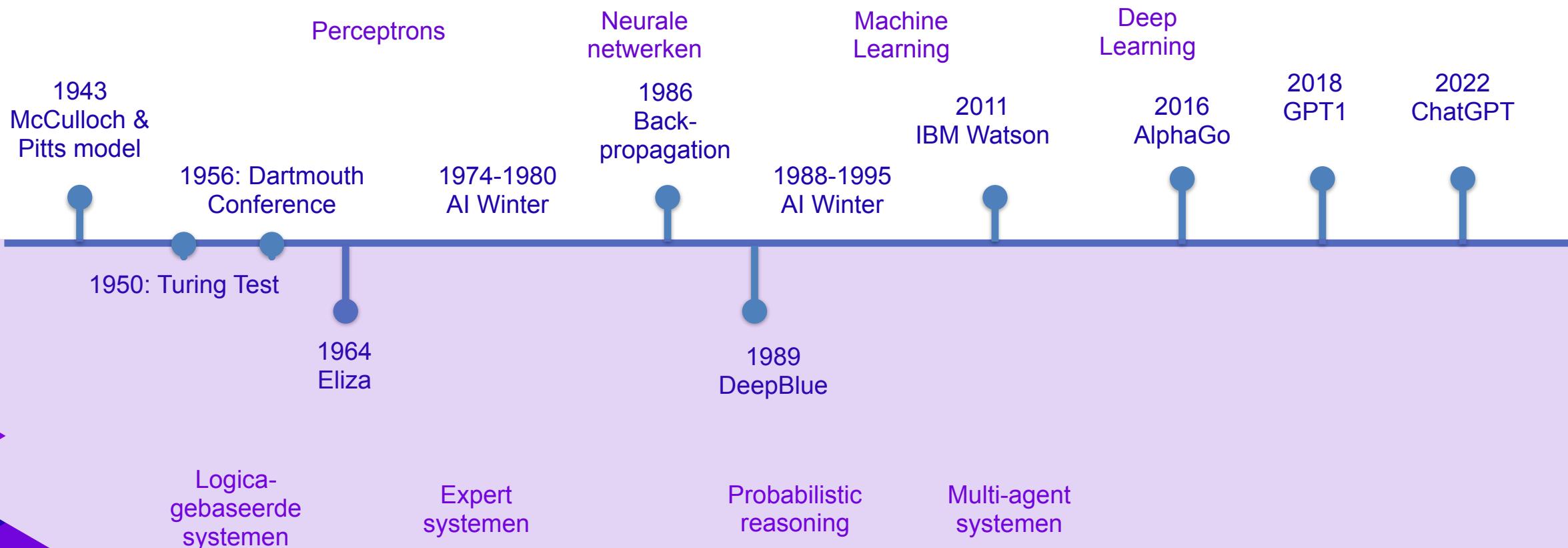


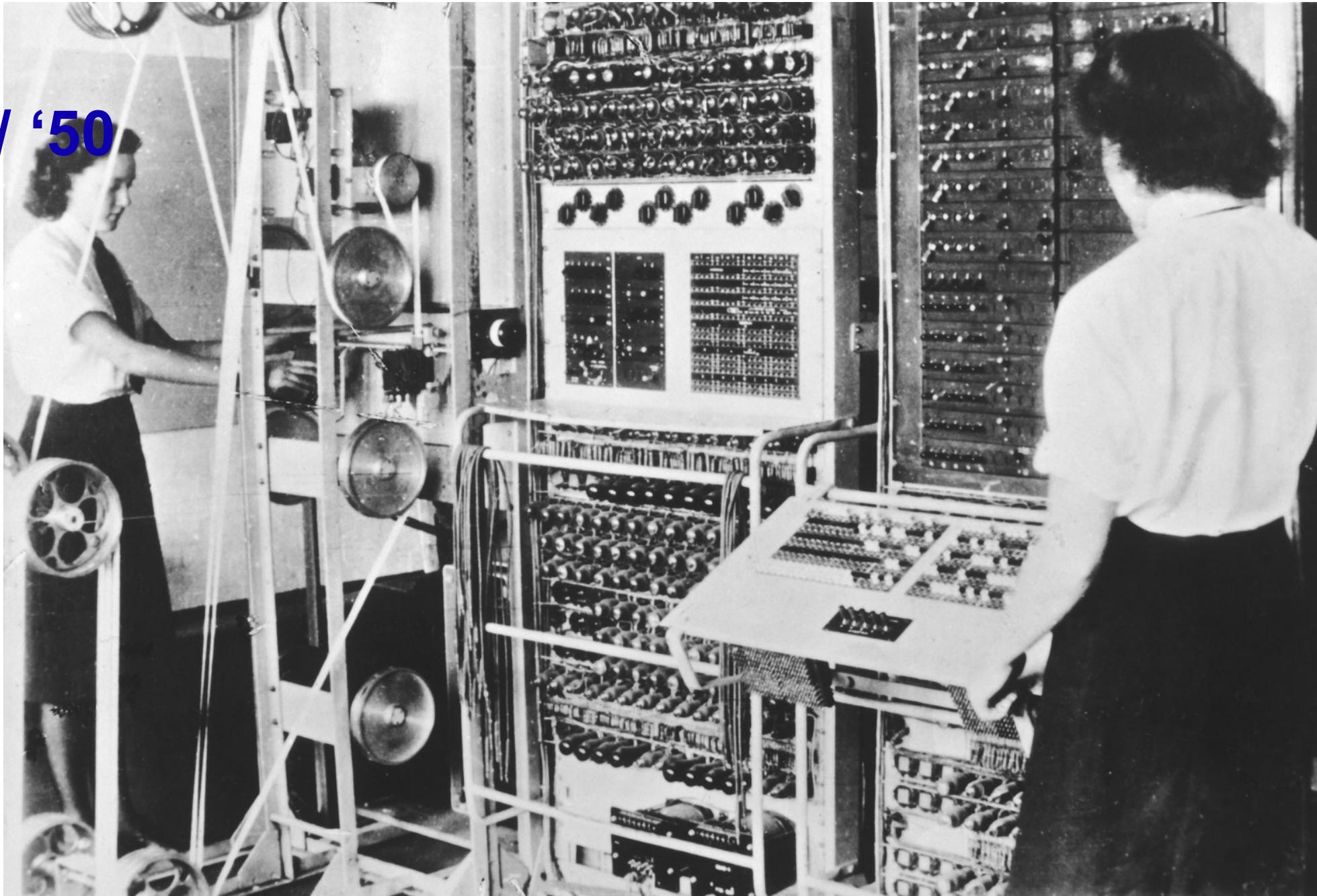
# Korte geschiedenis van AI

Bootcamp AAI 27-08 | Sophie Horsman

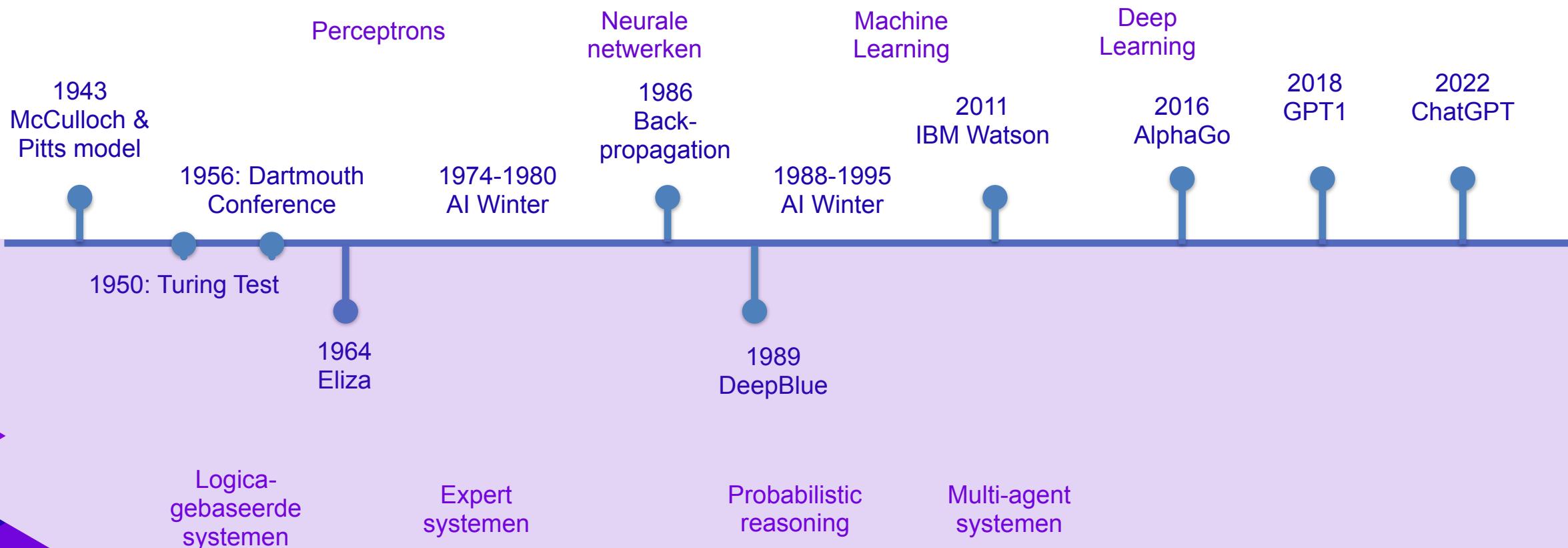
# Tijdslijn kunstmatige intelligentie



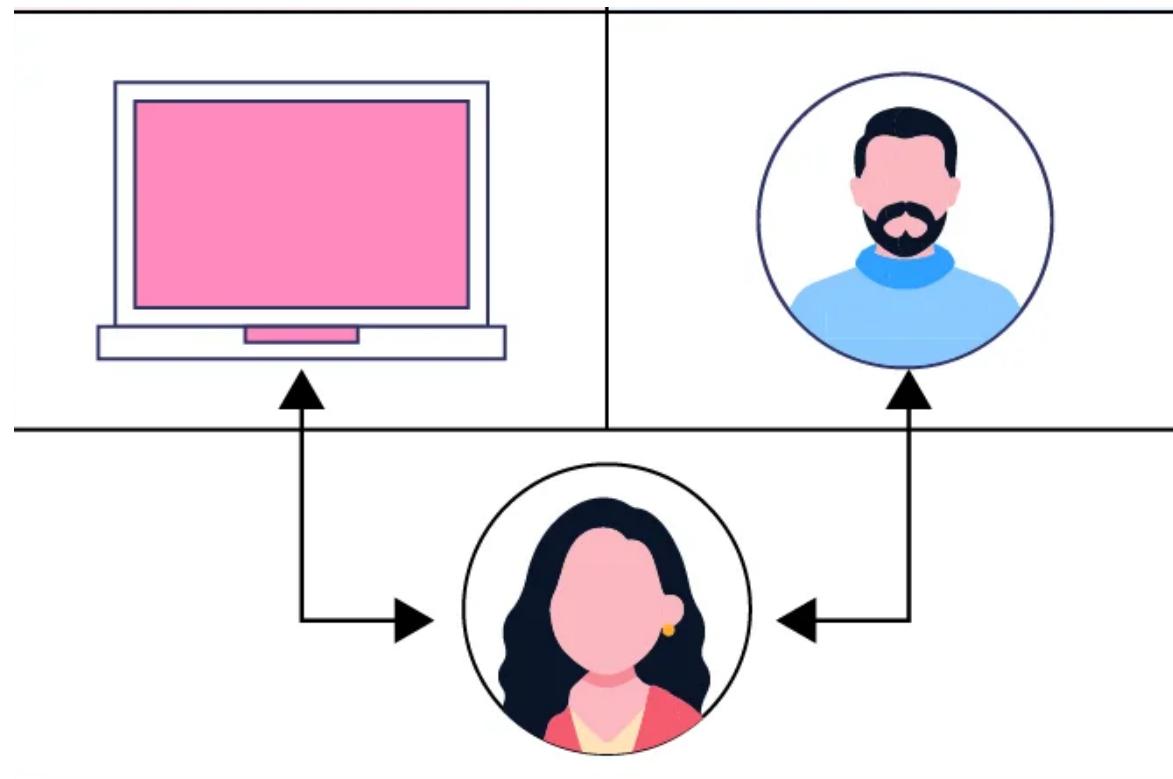
Jaren '40 / '50



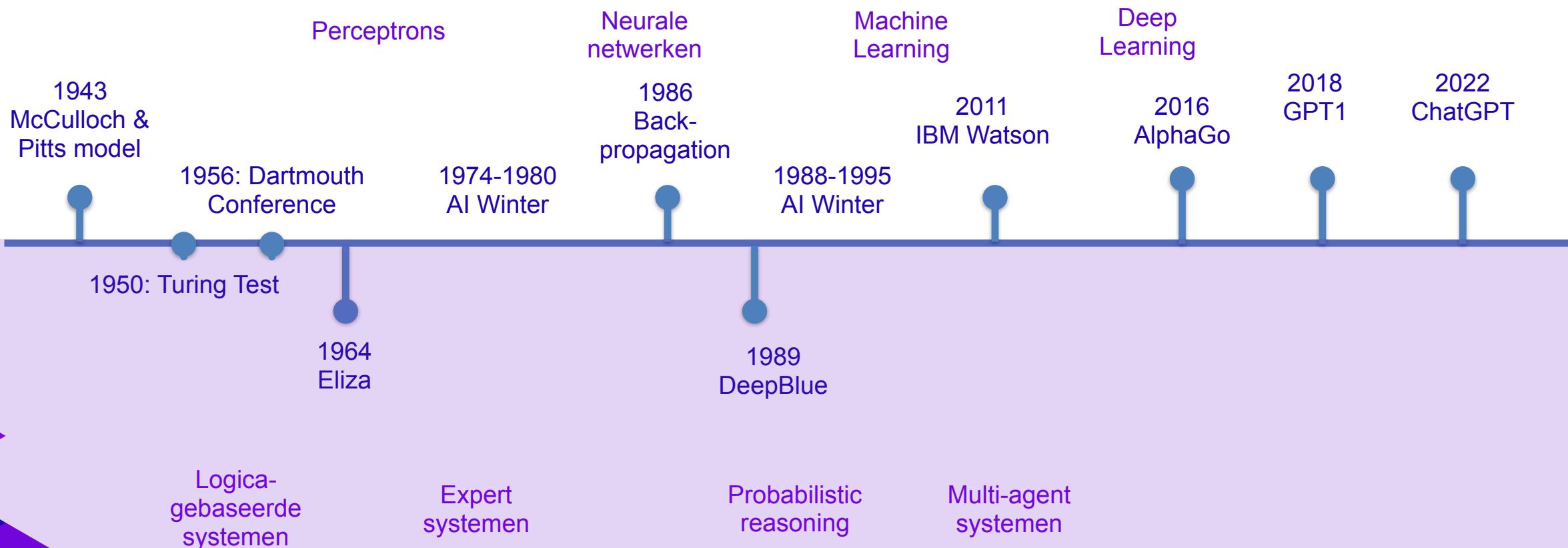
# Tijdslijn kunstmatige intelligentie



# De Turing Test



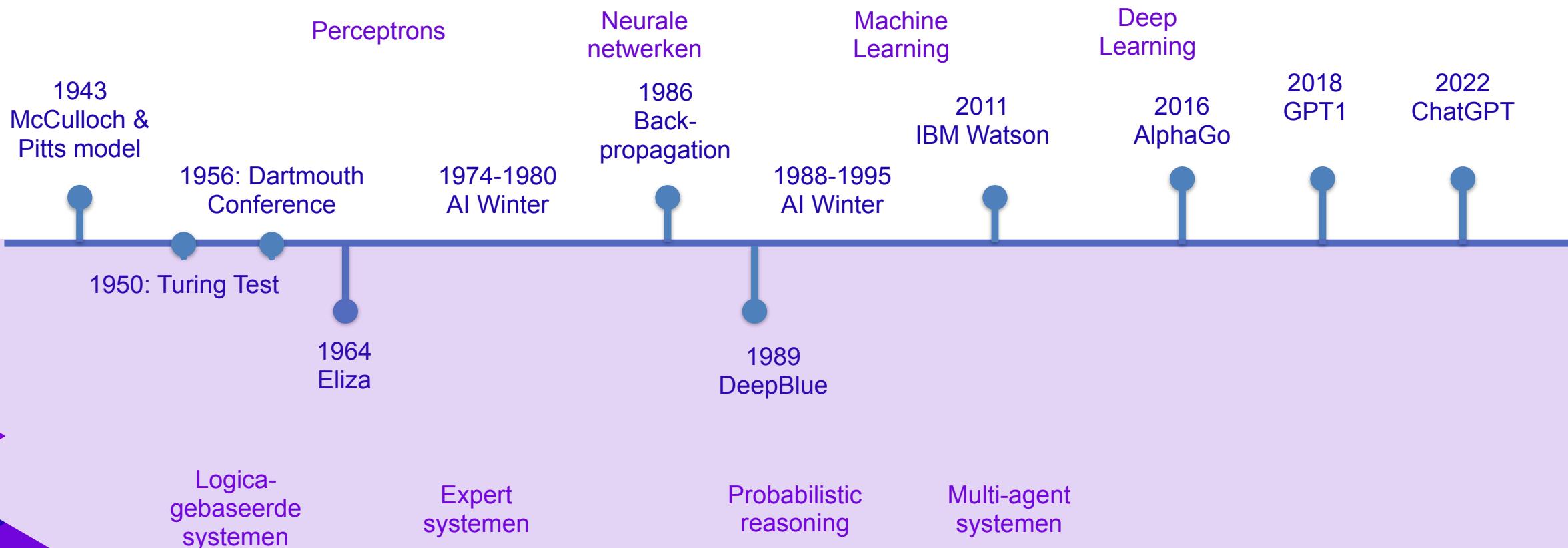
# Tijdslijn kunstmatige intelligentie



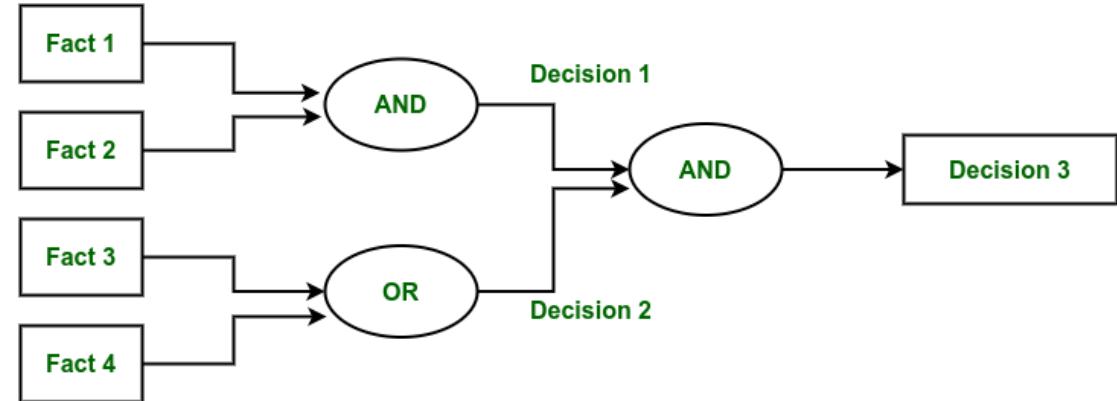
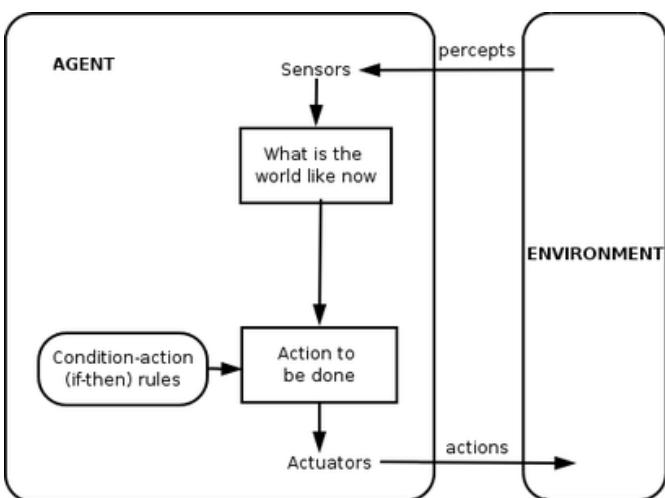


“Kunstmatige intelligentie is wanneer een machine zich gedraagt op een manier die intelligent zou worden genoemd als een mens zich zo gedraagt.”

# Tijdslijn kunstmatige intelligentie



# Symbolische AI



Did you come to me because you are not ?  
>i dont know  
What does that suggest to you?  
  
>that i am unintelligent  
How long have you been unintelligent?  
  
>since i was born  
I see.  
  
>arent you supposed to cheer me up  
You're not really talking about me, are you?  
  
>no im talking about me  
Why not?  
  
>mrh  
I'm not sure I understand you fully.  
  
>rg  
Come come elucidate your thoughts.  
  
>what is elucidate  
What do you think?  
  
>to see  
Can you elaborate on that?  
  
>\_

Welcome to

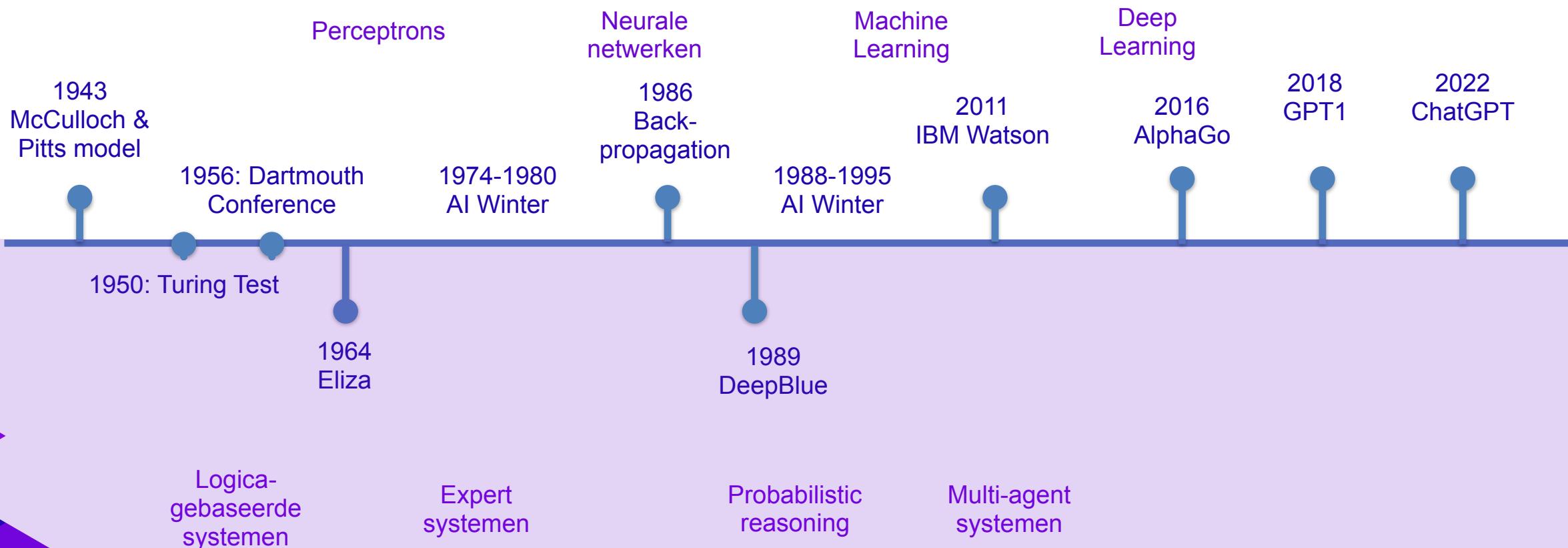
EEEEEE	LL	IIII	ZZZZZZZ	AAAAAA
EE	LL	II	ZZ	AA AA
EEEEEE	LL	II	ZZZ	AAAAAAA
EE	LL	II	ZZ	AA AA
EEEEEE	LLLLL	IIII	ZZZZZZZ	AA

Eliza is a mock Rogerian psychotherapist.  
The original program was described by Joseph Weizenbaum.  
This implementation by Norbert Landsteiner 2005.

ELIZA: I am a computer program.  
YOU: Me too.  
ELIZA: Why are you here?  
YOU: The same reason as you.  
ELIZA: Can you tell me about yourself?  
YOU:  
ELIZA:  
YOU:  
ELIZA:  
YOU:  
ELIZA:  
YOU:

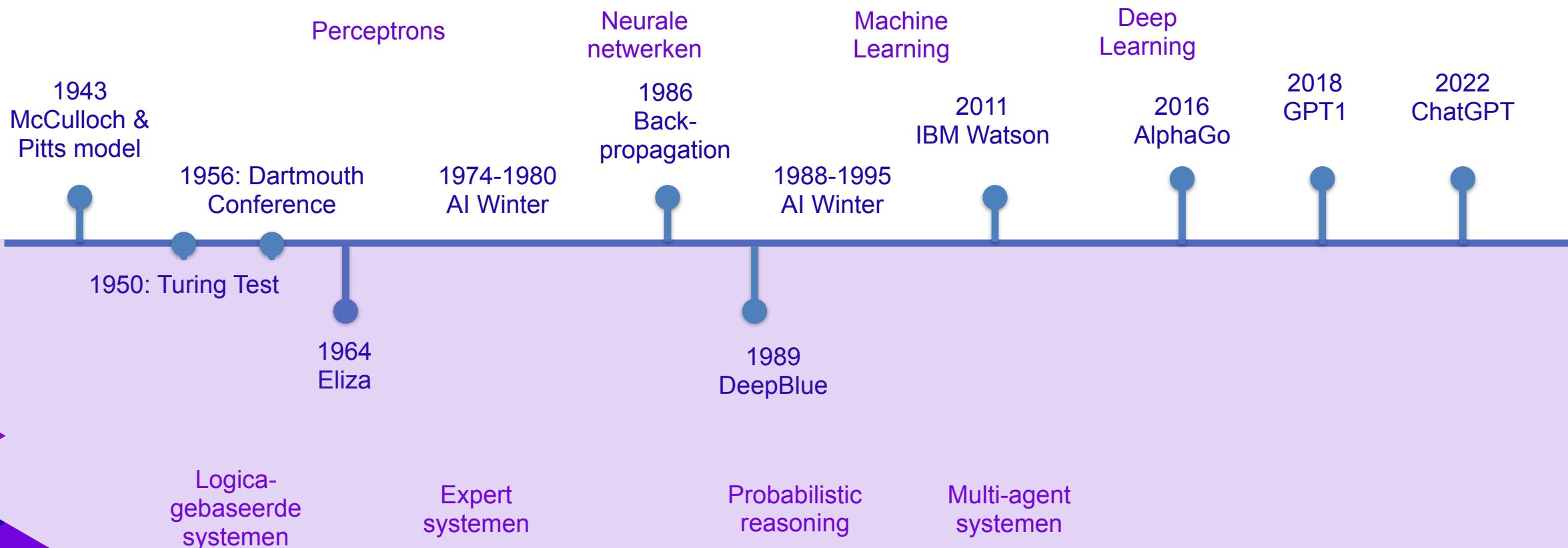


# Tijdslijn kunstmatige intelligentie

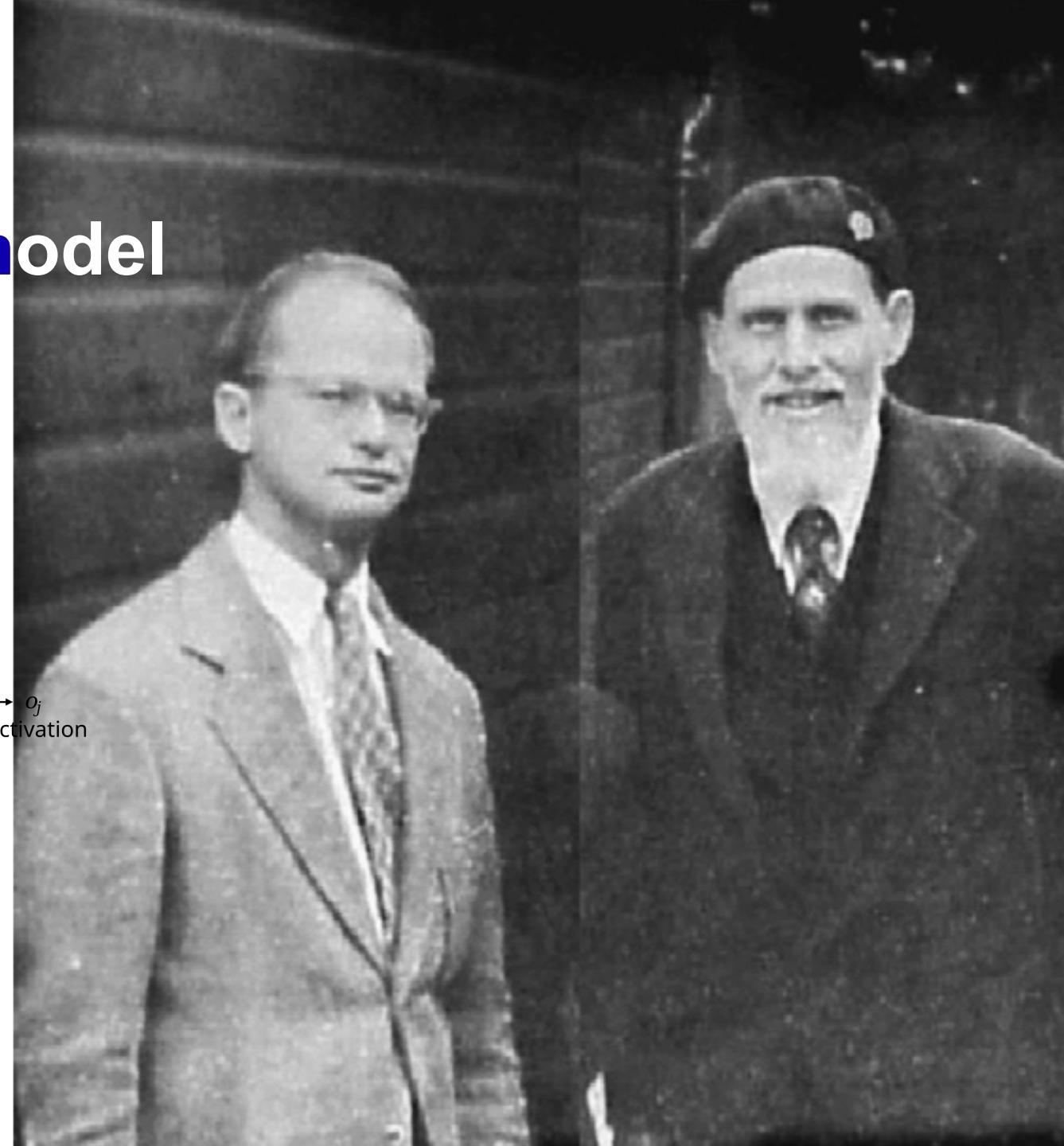
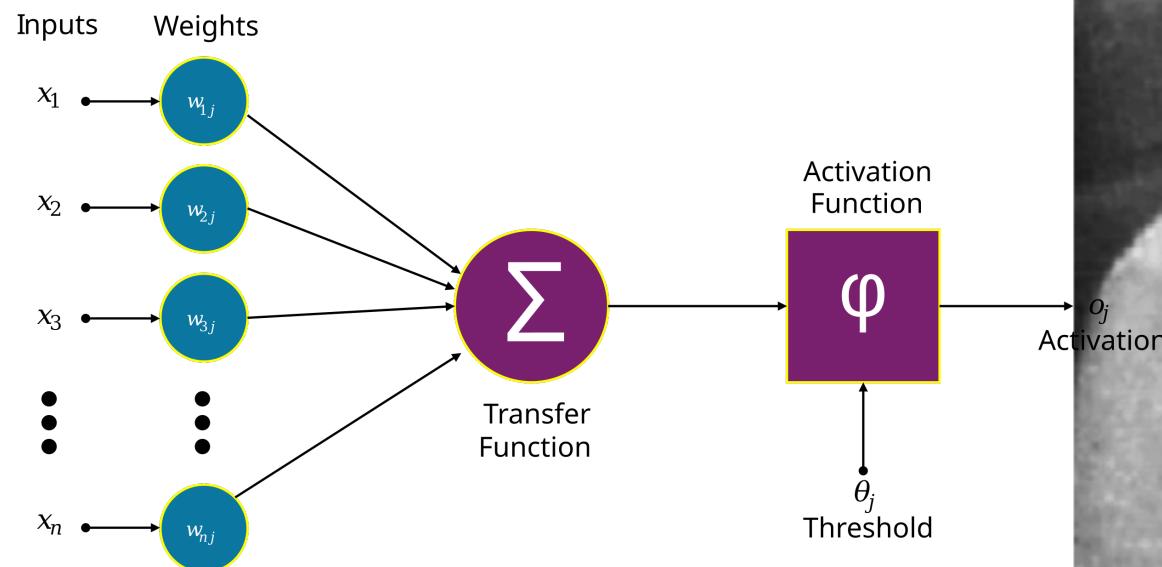




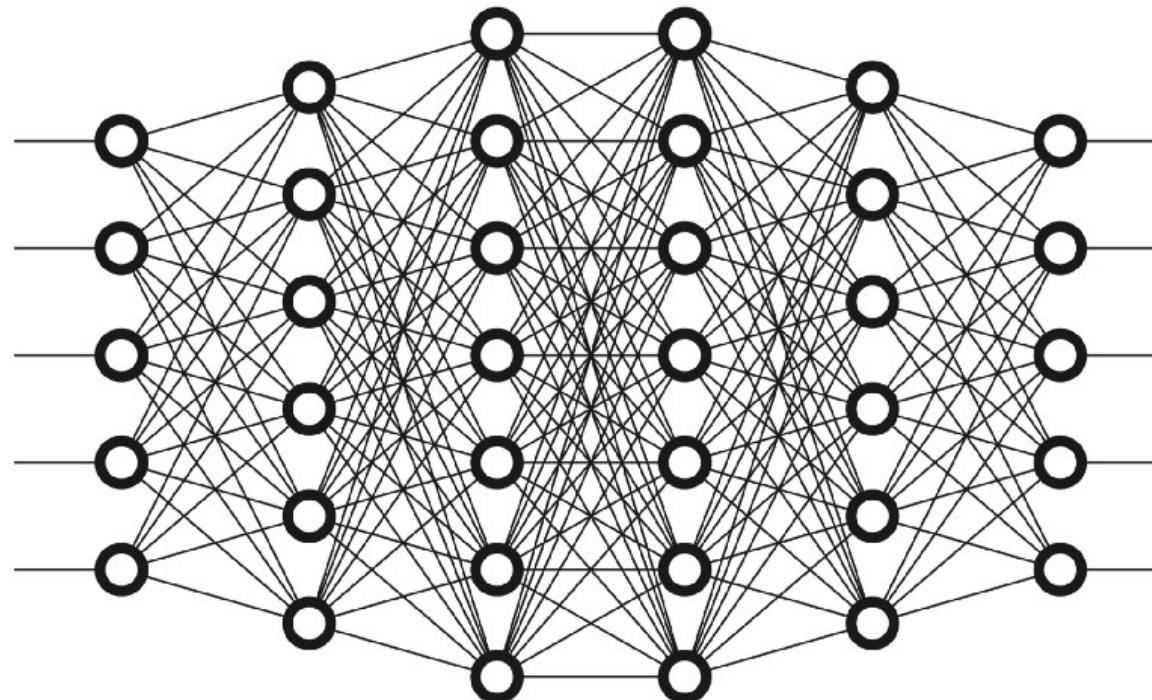
# Tijdslijn kunstmatige intelligentie



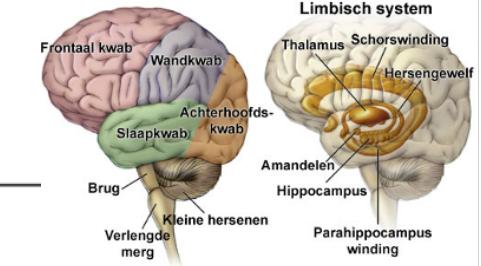
# McCulloch & Pitts model



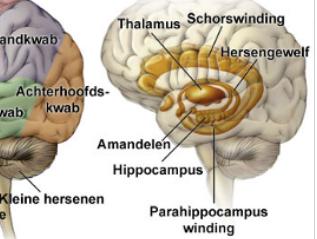
# Sub-symbolische AI (“Machine Learning”)



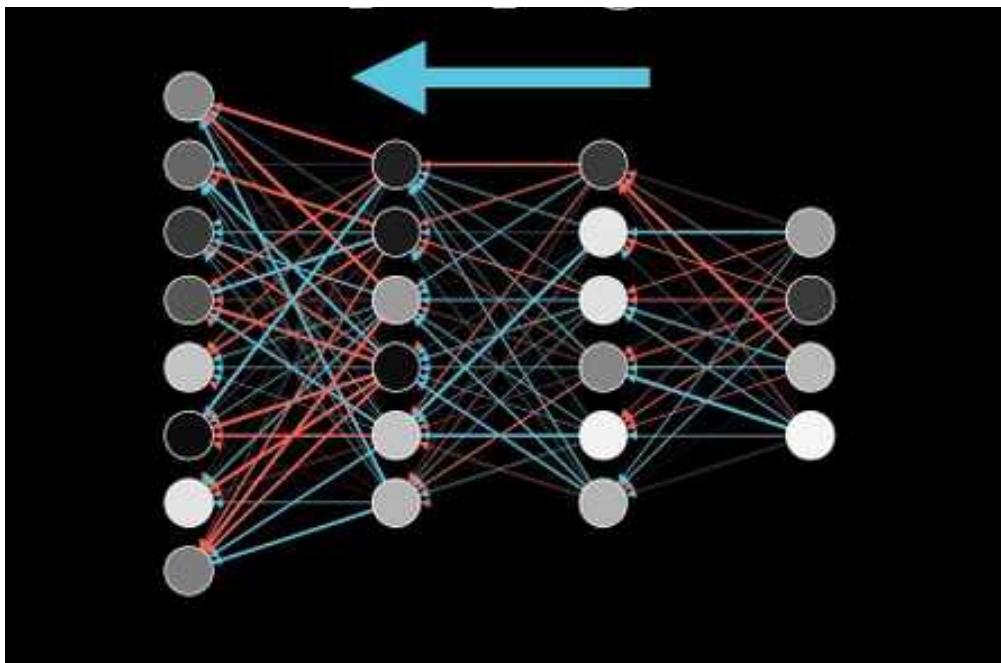
Anatomie van de hersenen



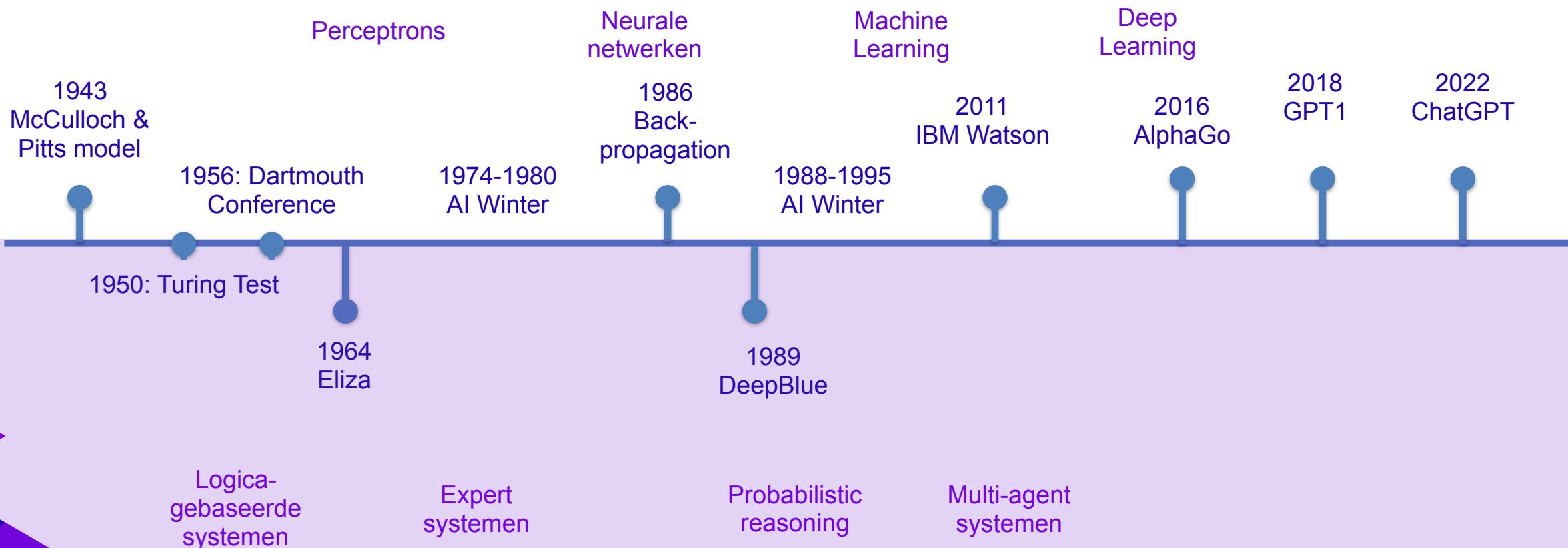
Limbisch system



# Backpropagation en andere fundamentele aspecten van Deep Learning (LeCun, Hinton, Bengio)



# Tijdslijn kunstmatige intelligentie



PIENSE

ΣΚΕΨΟΥ

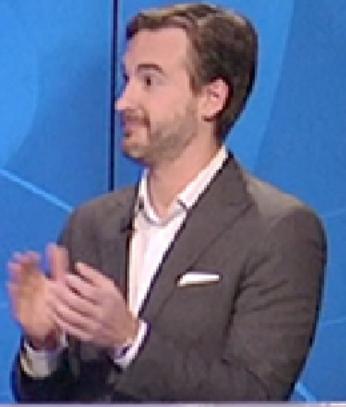
ΣΤΑΩΜΙΣ

THINK

DENKE

सोचिए

PENSER



**\$300,000**

Who is Stoker?  
(FOR ONE WELCOMES OUR  
NEW COMPUTER OVERLORDS)

\$ 1,000

**\$1,000,000**

Who is Bram  
Stoker?

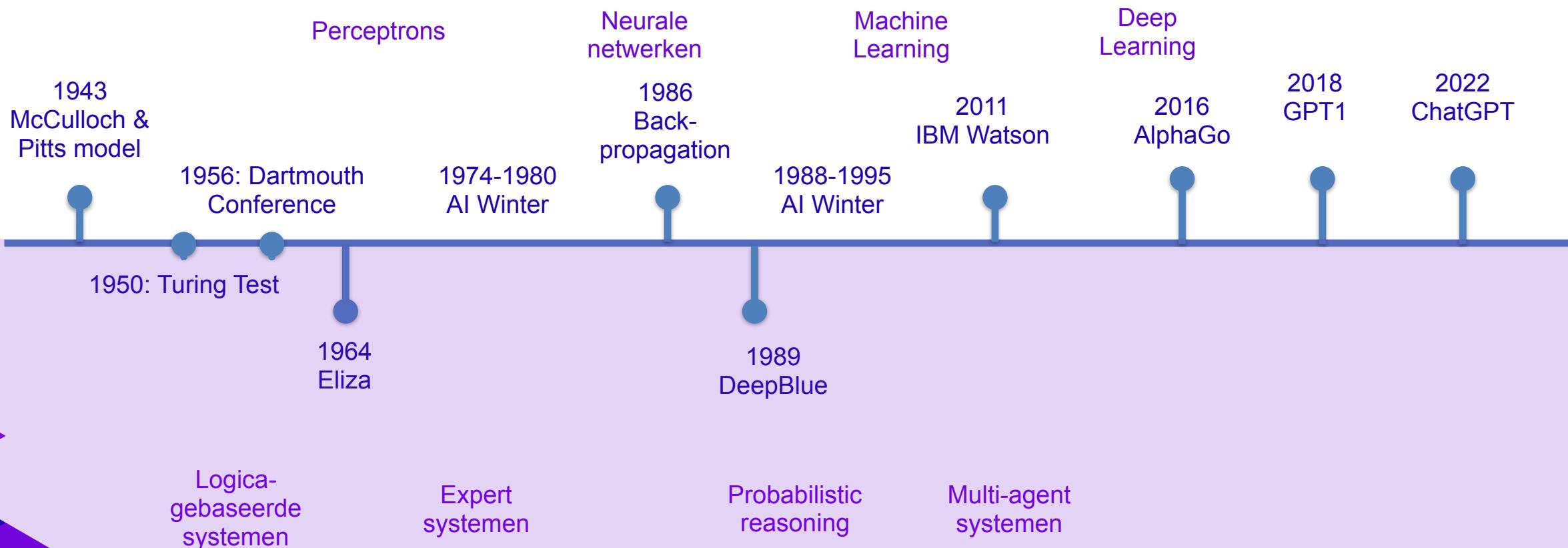
\$ 17,973

**\$200,000**

WHO IS  
BRAM STOKER?

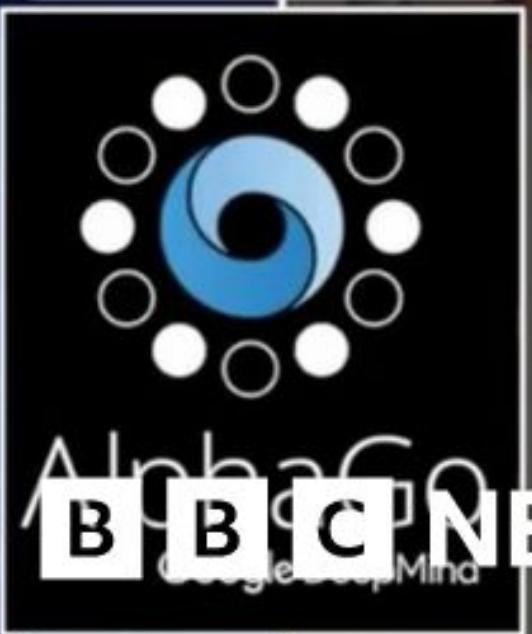
\$5600

# Tijdslijn kunstmatige intelligentie

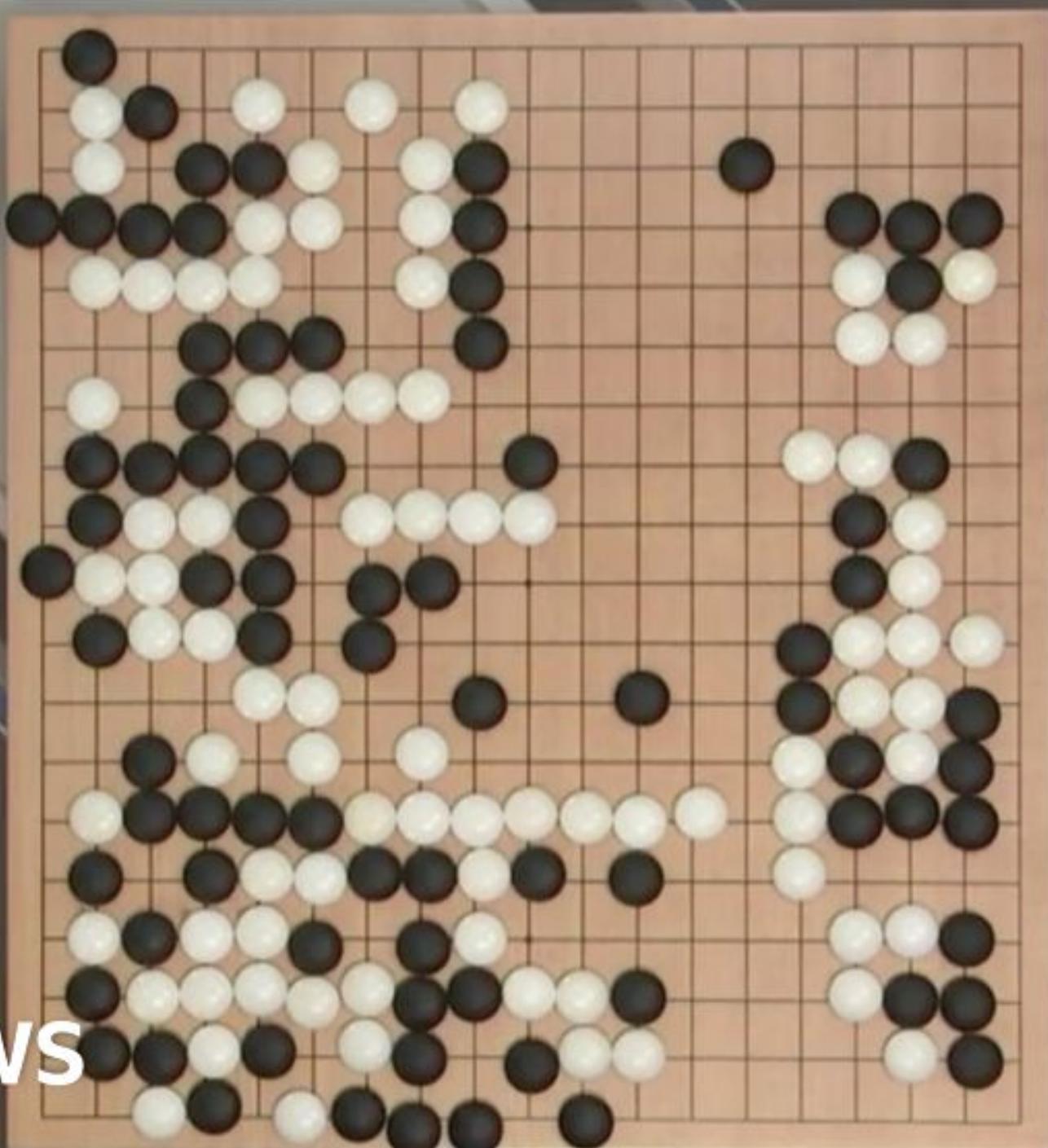




ALPHAGO  
00:08:32

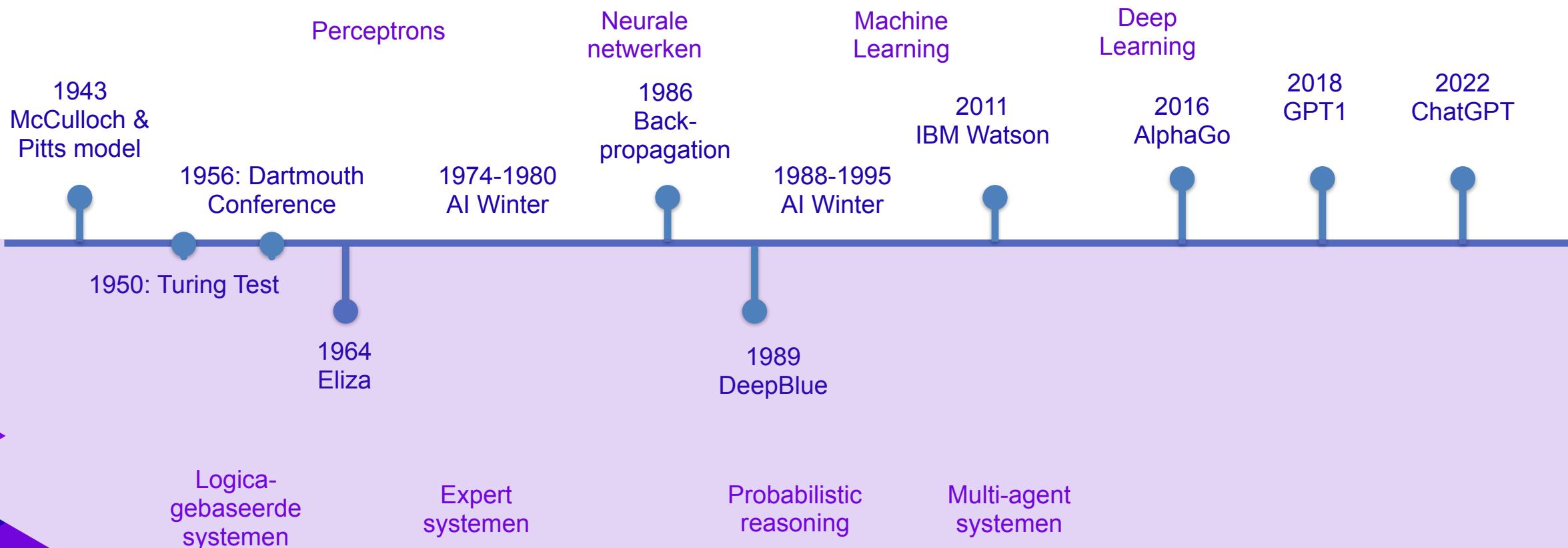


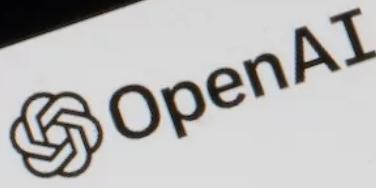
BBC NEWS



LEE SEDOL  
00:00:27

# Tijdslijn kunstmatige intelligentie





# ChatGPT: Optimizing Language Models for Dialogue

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible to answer followup questions, admit its mistakes, correct premises, and reject incorrect instructions. ChatGPT is a sibling model to GPT-3.

# Takeaways

Term en vakgebied kunstmatige intelligentie bestaat al sinds de jaren '50.

Kunstmatige intelligentie verwijst niet naar één technologie, maar verschillende technieken

Veel gebruikte technieken vandaag de dag, komen voort uit technieken die al langer bestaan, die door grote datasets, opschaling, rekenkracht nu echt tot werking zijn gekomen

Waar AI begon met het nabootsen van menselijke intelligentie, is het de vraag of dat nu nog de intentie is...

# Toekomst...

