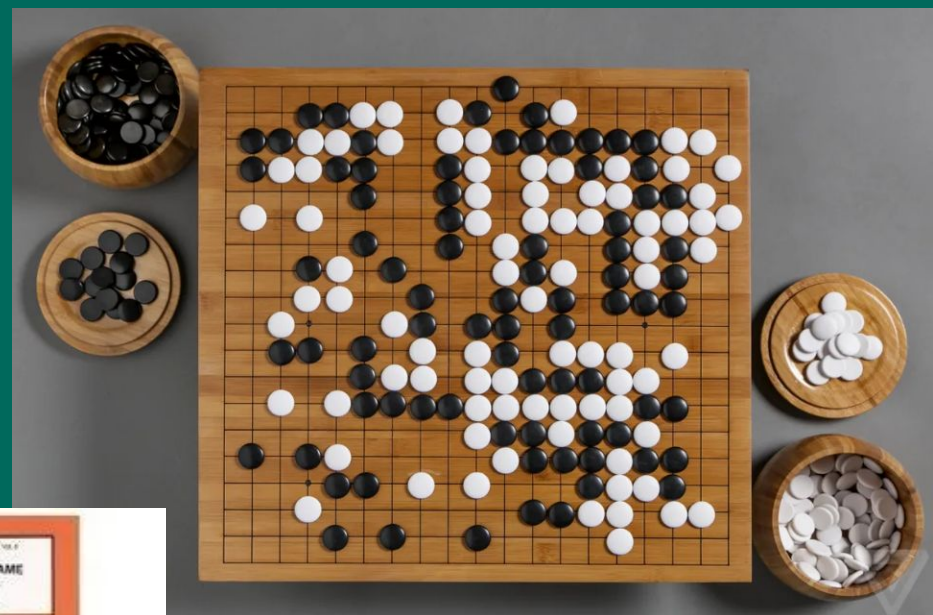
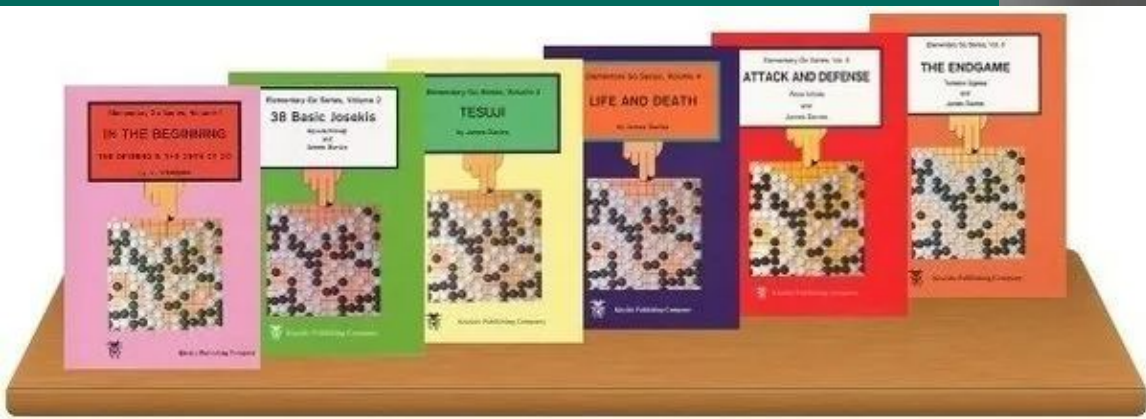


# AlphaGo

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Presentación por: Augusto Rabbia, Manuel Spreutels

Grupo 18



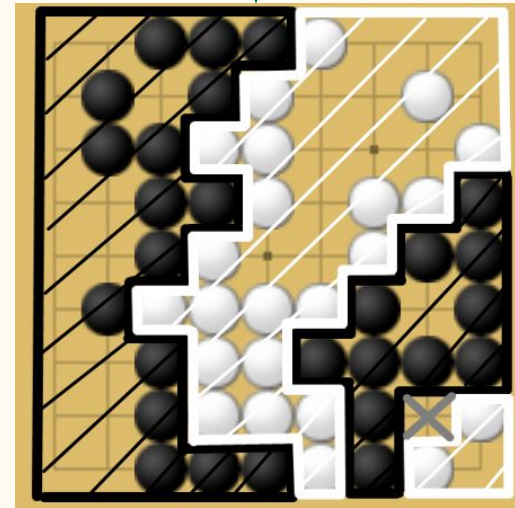
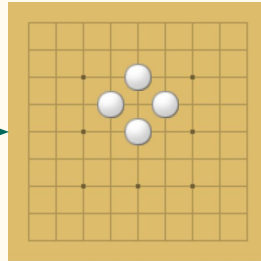
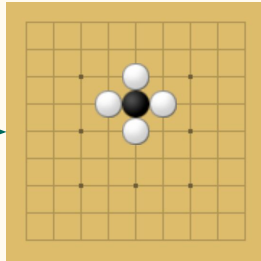
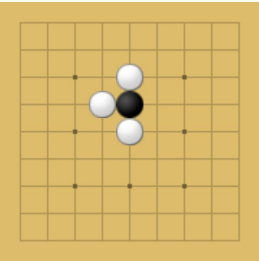
# Reglas

En un turno un jugador puede

Jugar

Pasar

Capturar



Negras: 44  
Blancas: 36

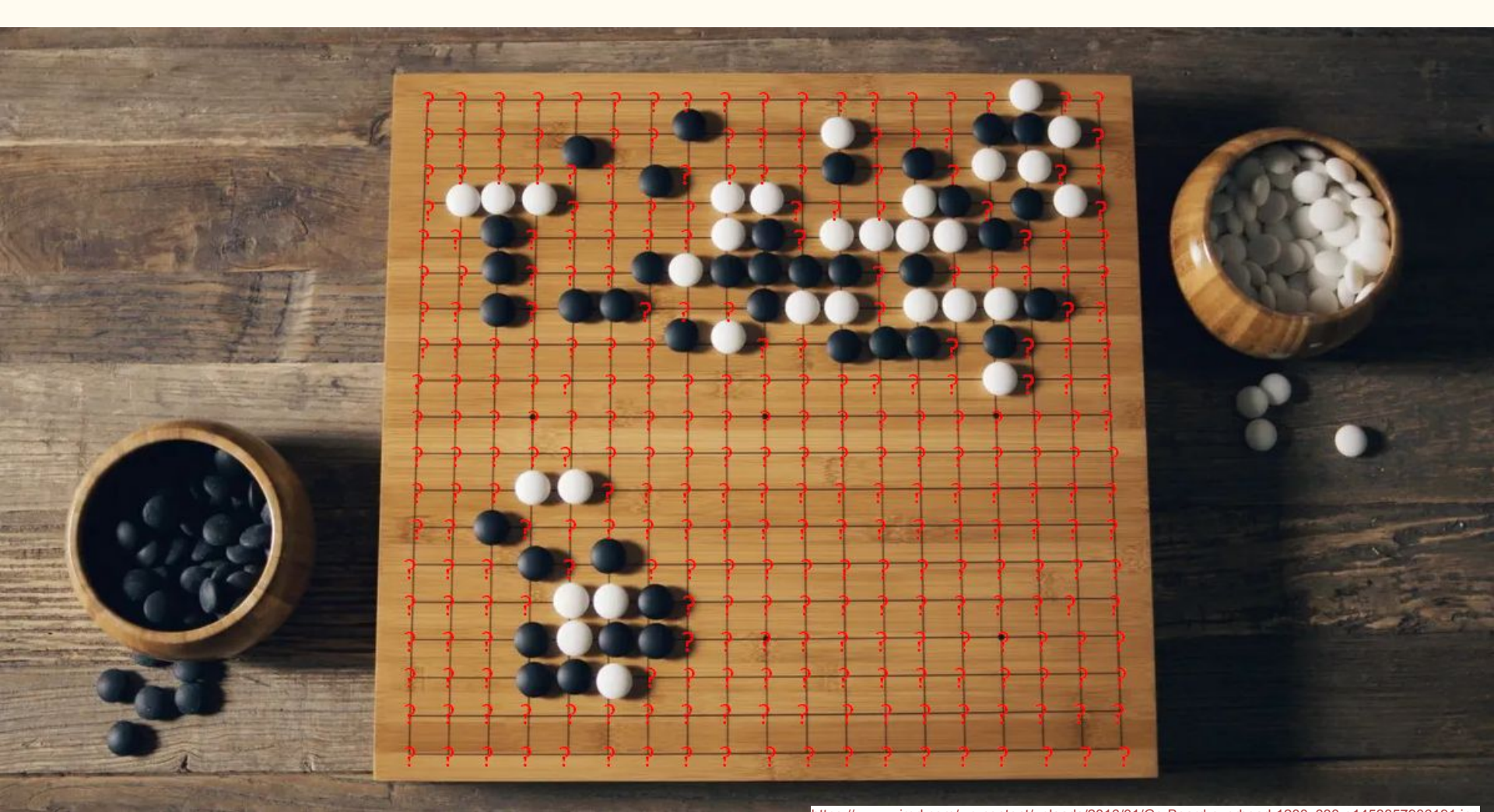
“Neutral”: 1

$2 * 10^{170}$

$>$





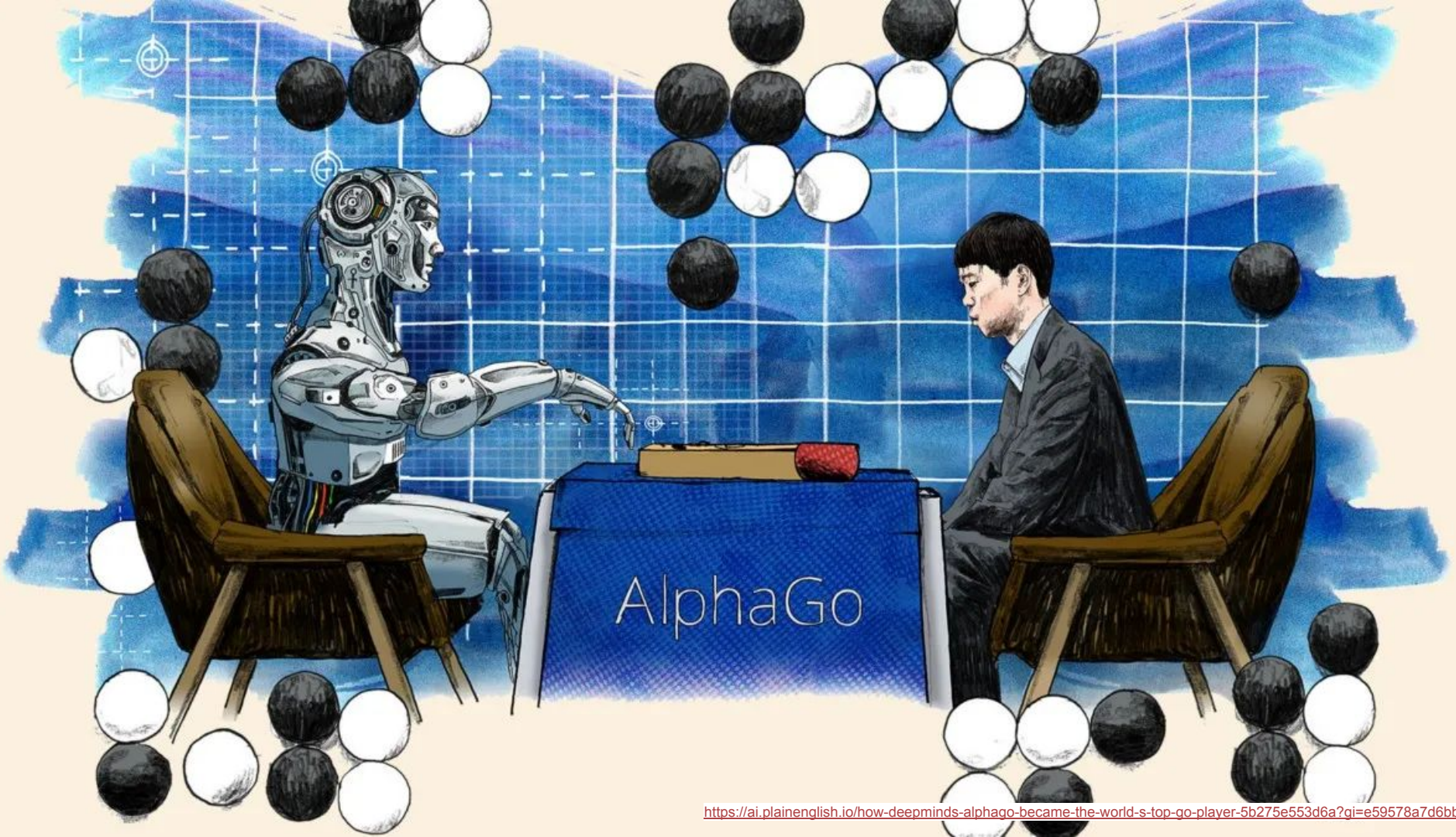


# Go: Imposible de calcular?



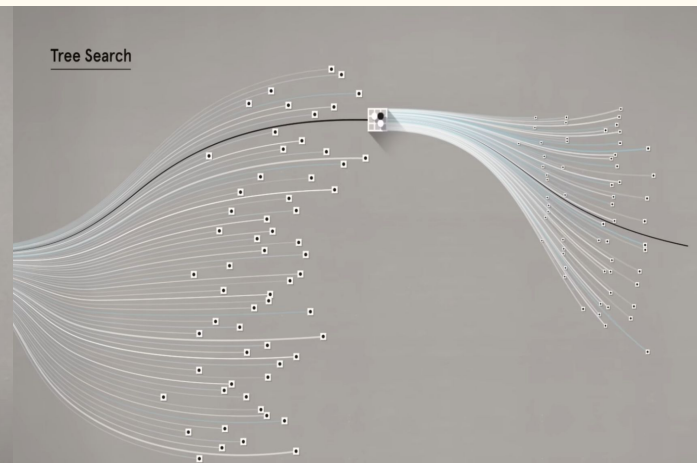
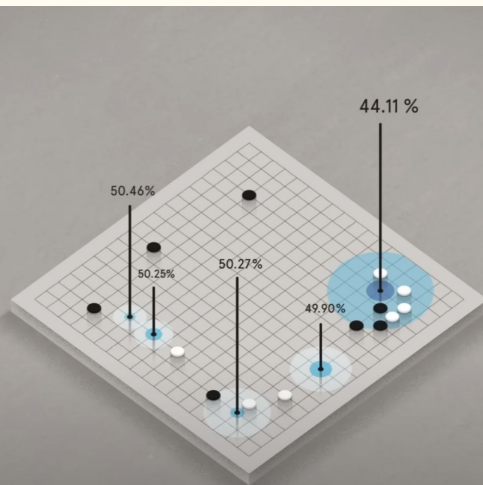
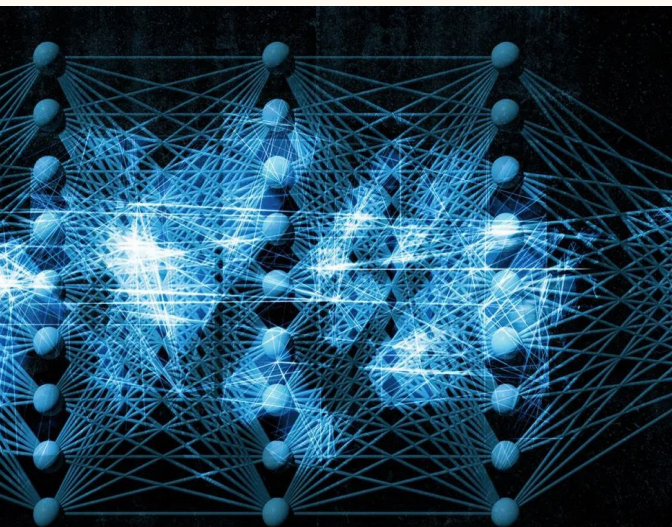
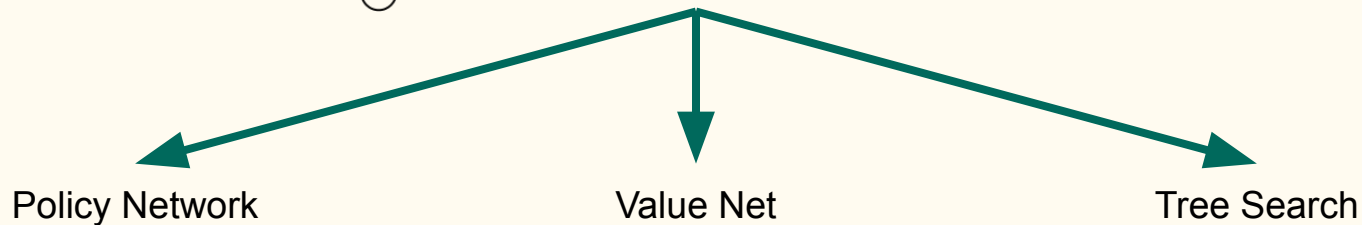
Google DeepMind







# AlphaGo





## Policy network



Sugerencia  
1

Movimiento  
1

Sugerencia  
n

## Tree Search

...

...

...

...

...

...

Movimiento  
40

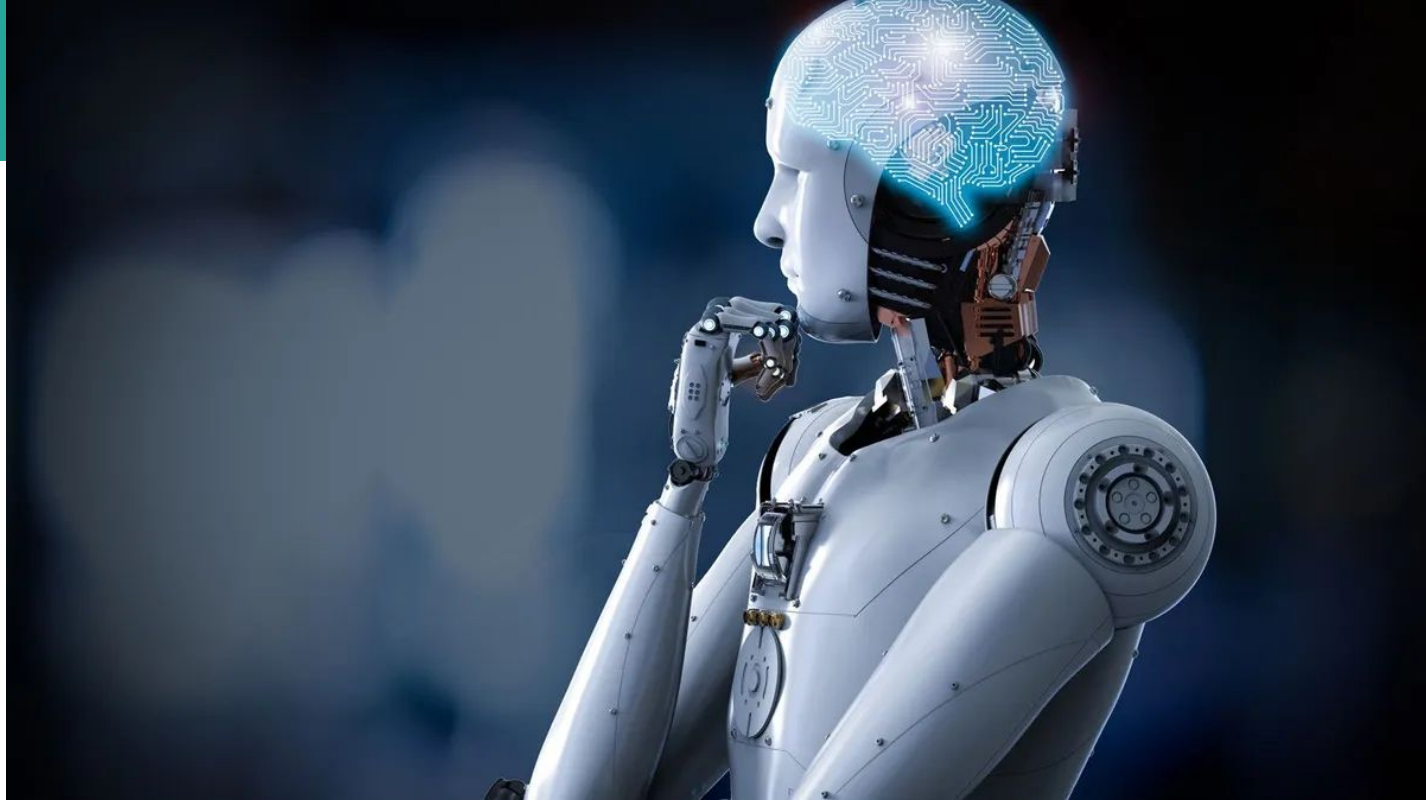
## Value net

64%

98%

12%

AlphaGo puede crear





# ALPHAGO





AlphaGo

Lee Sedol



AlphaGo

LA HUMANIDAD

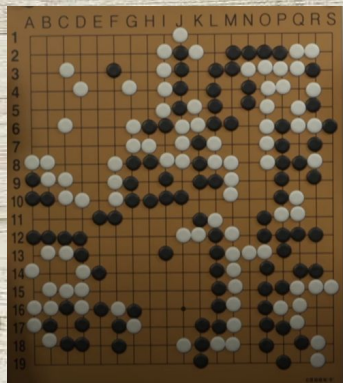


VS





**Partida 1 - Gana AlphaGo (blancas)**



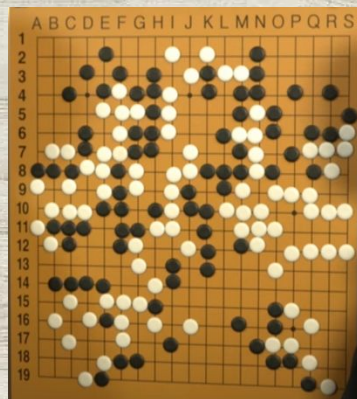
**Partida 2 - Gana AlphaGo (negras)**



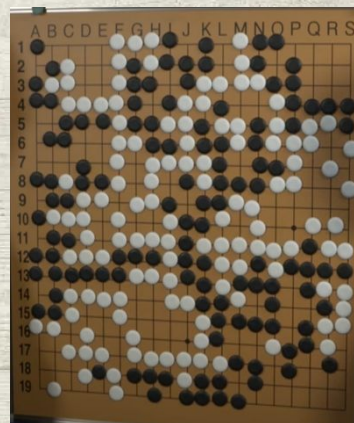
**Partida 3 - Gana Lee Sedol (negras)**



**Partida 4 - Gana AlphaGo (negras)**



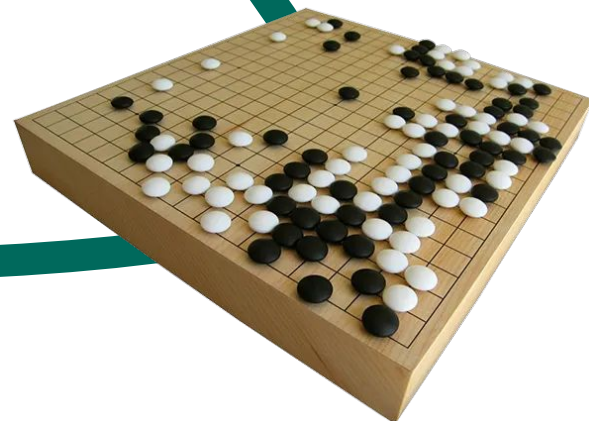
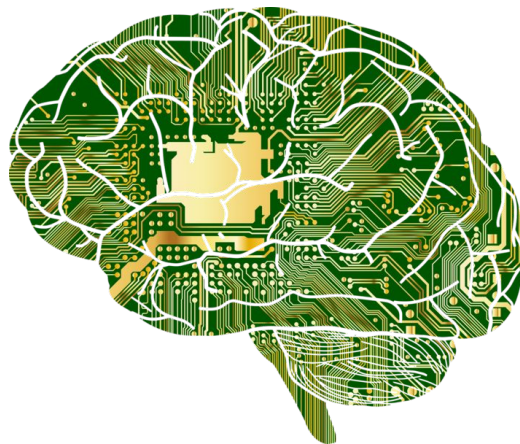
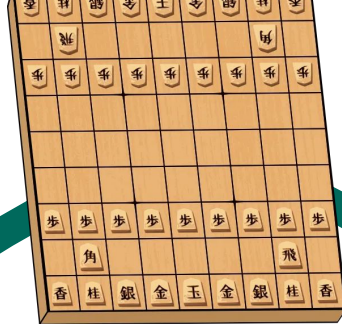
**Partida 5 - Gana AlphaGo (blancas)**














THE SHIFT

## *An A.I.-Generated Picture Won an Art Prize. Artists Aren't Happy.*

"I won, and I didn't break any rules," the artwork's creator says.

 Give this article



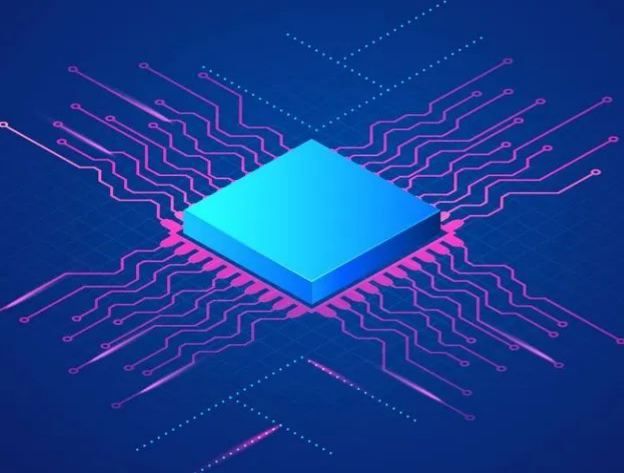
 1526



Jason Allen  
Pueblo West  
Théâtre D'opéra Spatial

\$750

 Colorado State Fair



# GPT-3



SYSTEM PROMPT  
(HUMAN-WRITTEN)

In a shocking finding, scientist discovered a herd of unicorns living in a remote, previously unexplored valley, in the Andes Mountains. Even more surprising to the researchers was the fact that the unicorns spoke perfect English.

MODEL  
COMPLETION  
(MACHINE-  
WRITTEN, 10 TIMES)

Now, after almost two centuries, the mystery of what sparked this odd phenomenon is finally solved.

Dr. Jorge Pérez, an evolutionary biologist from the University of La Paz, and several companions, were exploring the Andes Mountains when they found a small valley, with no other animals or humans. Pérez noticed that the valley had what appeared to be a natural fountain, surrounded by two peaks of rock and silver snow.

Pérez and the others then ventured further into the valley. "By the time we reached the top of one peak, the water looked blue, with some crystals on top," said Pérez.

Pérez and his friends were astonished to see the unicorn herd. These creatures could be seen from the air without having to move too much to see them - they were so close they could touch their horns.

While examining these bizarre creatures the scientists discovered that the creatures also spoke some fairly regular English. Pérez stated, "We can see, for example, that they have a common 'language,' something like a dialect or dialectic."

Dr. Pérez believes that the unicorns may have originated in Argentina, where the animals were believed to be descendants of a lost race of people who lived there before the arrival of humans in those parts of South America.

While their origins are still unclear, some believe that perhaps the creatures were created when a human and a unicorn met each other in a time before human civilization. According to Pérez, "In South America, such incidents seem to be quite common."

However, Pérez also pointed out that it is likely that the only way of knowing for sure if unicorns are indeed the descendants of a lost alien race is through DNA. "But they seem to be able to communicate in English quite well, which I believe is a sign of evolution, or at least a change in social organization," said the scientist.

[Radford and Wu et al. 2019]

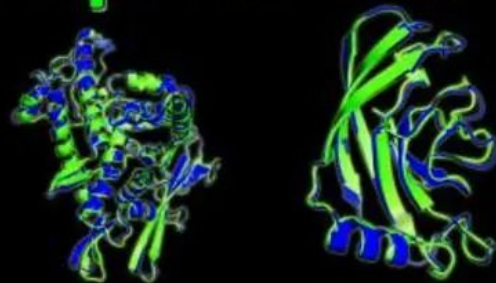
Source

TEXT PROMPT a lamp in the shape of an avocado. a lamp imitating an avocado.

AI-GENERATED  
IMAGES



## Google DeepMind's AlphaFold 2



## AI Breakthrough in Biology

# AlphaGo

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Gracias por su tiempo  
- Augusto Rabbia y Manuel Spreutels