



The Turing Test



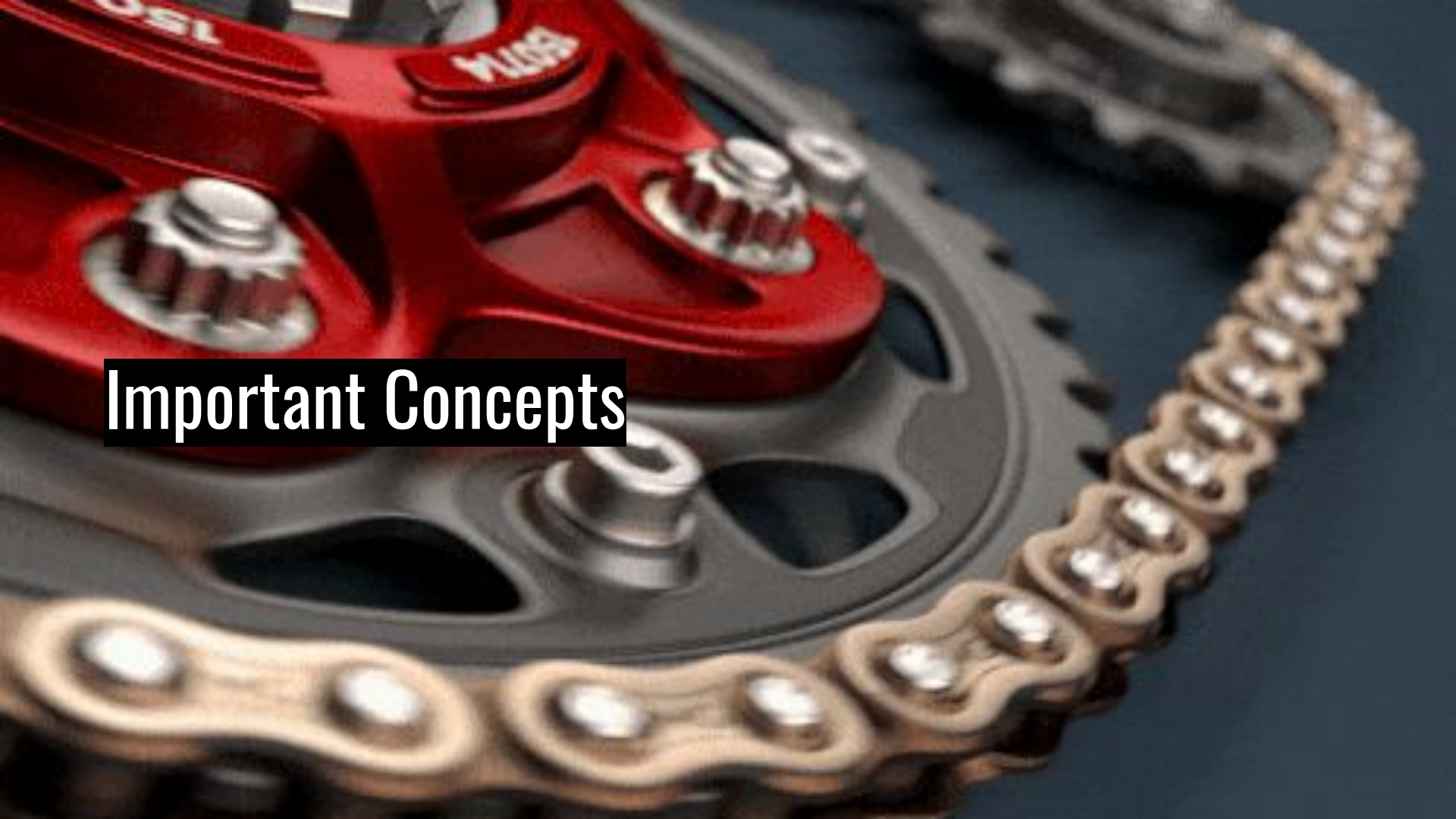
Person of Interest: Nick Bostrom



Occupation:
Philosopher

Known for:
The Simulation Argument
Advocating for limits on AI

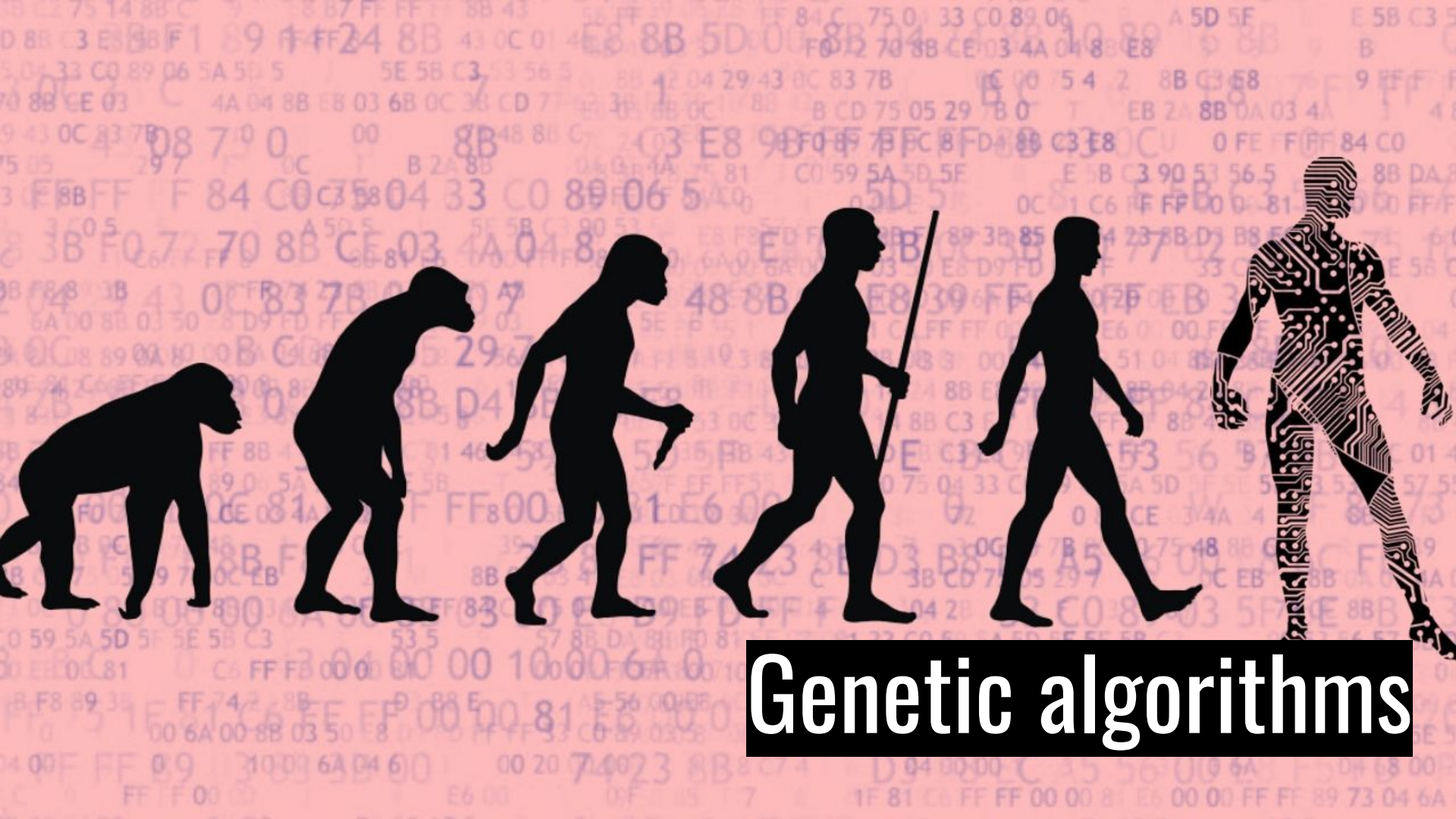
Notable Work:
Superintelligence: Paths,
Dangers, Strategies (2014)



Important Concepts

Superintelligence is any intellect that greatly exceeds the cognitive performance of humans in virtually all domains of interest.

Bostrom details the multiple possible routes to machine superintelligence, for example...



Genetic algorithms

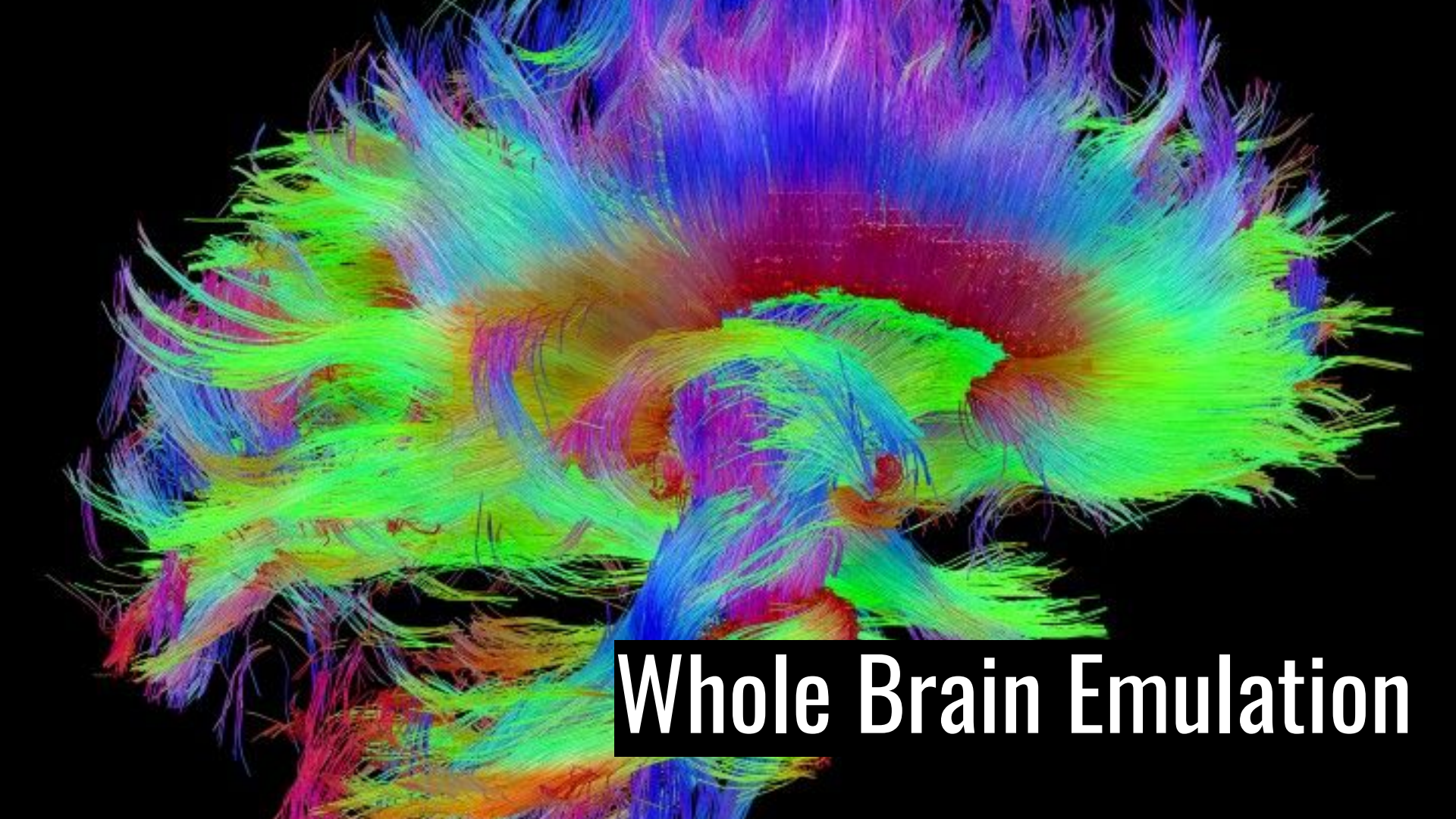


AI Seeds



“Instead of trying to produce a programme to simulate the adult mind, why not rather try to produce one which simulates the child’s?”

If this were then subjected to an appropriate course of education one would obtain the adult brain” (Turing 1950: 456).



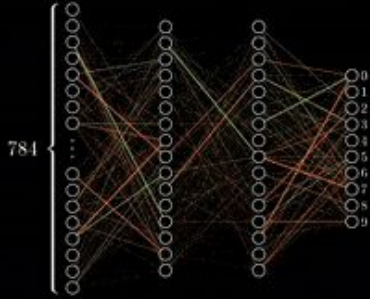
Whole Brain Emulation

Bostrom points out that the fact that there are multiple paths to machine superintelligence increases the likelihood that it will be reached...

Question:

Why would any governments fund these kinds of research programmes?

Training in
progress...



**Bostrom reminds us that heads
of state reliably enact programs
that enable their nation to be
competitive technologically, or
even achieve technological
superiority...**



China and Silk Production, 3000 BCE- 300 CE



China and Porcelain Production, ~600-1700 CE



USA and the Atom Bomb, 1945-1949

In *Destined for War*, Graham Allison argues that in most historical cases where there is an established hegemonic power (e.g., U.S.A.) and a rising competitor (e.g., China) the result is war.

NATIONAL BESTSELLER

"Thucydides's Trap identifies a cardinal challenge to world order."

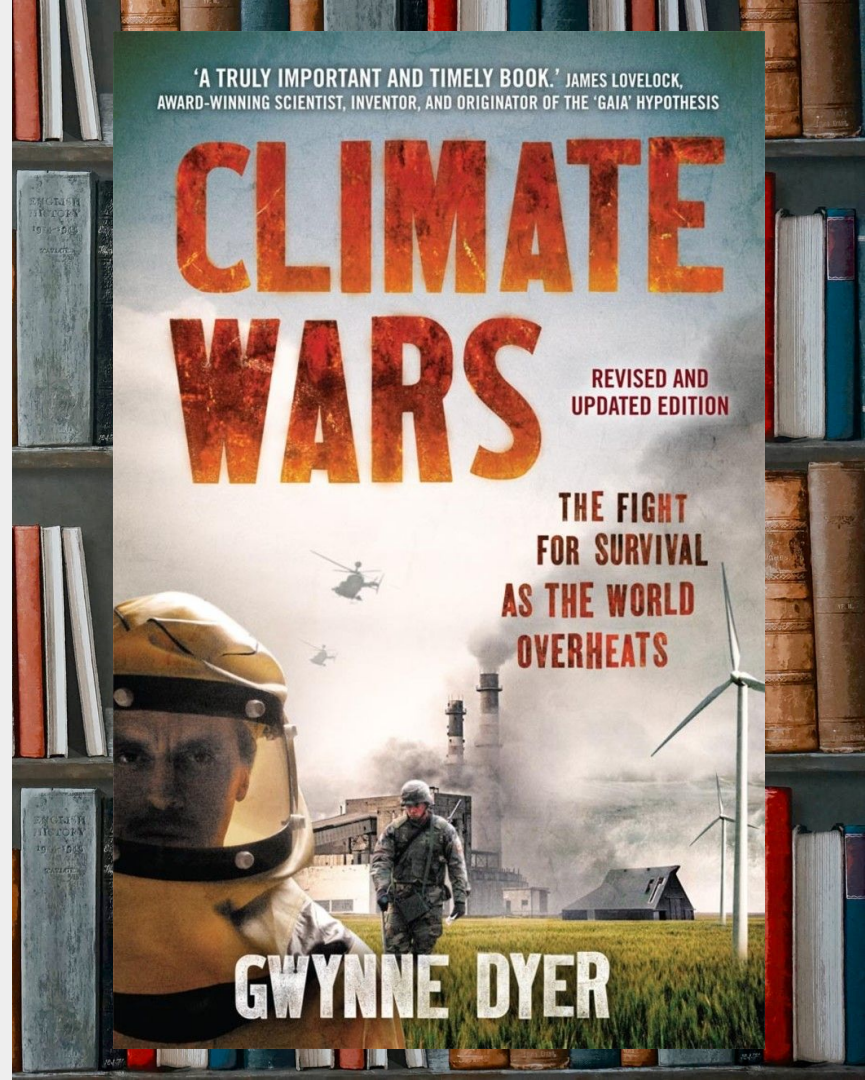
—HENRY KISSINGER, *former US secretary of state*

DESTINED FOR WAR

CAN AMERICA AND CHINA
ESCAPE THUCYDIDES'S TRAP?

GRAHAM
ALLISON

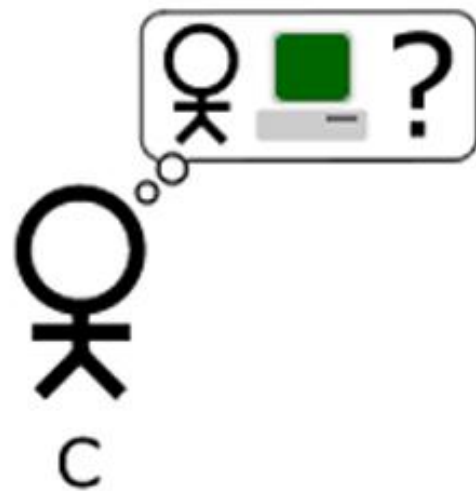
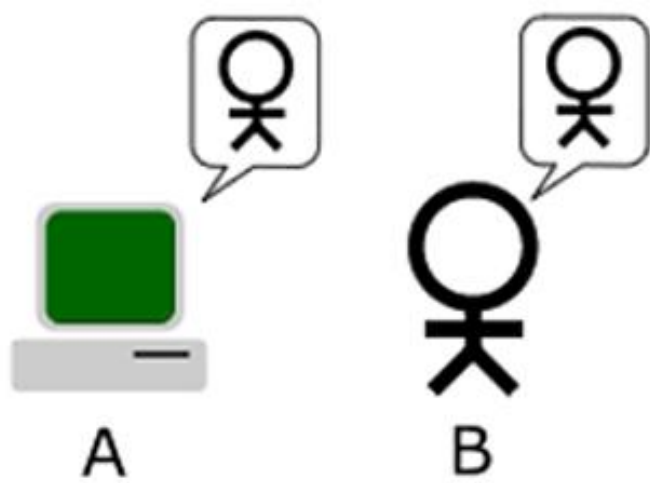
In *Climate Wars*, Gwynne Dyer details the **existing** war plans of the major powers in the case that the effects of climate change begin to take place, thereby rendering certain geographical regions agriculturally barren and displacing entire populations.





Question:

How will we know when
superintelligence has been reached?



Debrief: The Turing Test has been passed.

