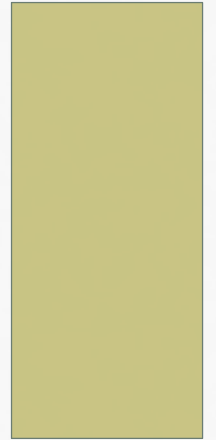


WHAT THE HECK IS AI?



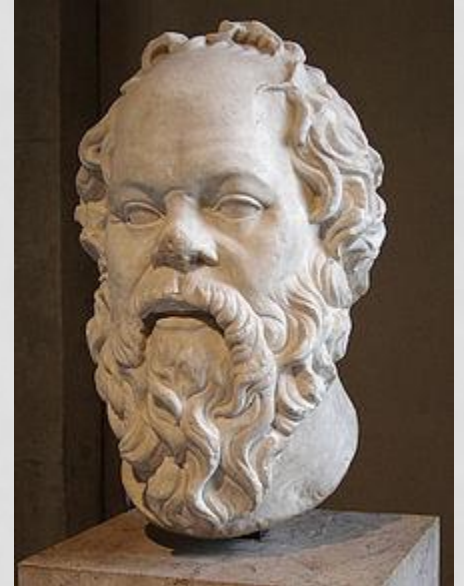
# GOLEMS

- Jewish Talmud
- Created from mud, given a spirit



# FIRST: AN (ARBITRARY) HISTORY

- Socrates (470 – 399 BC)
- “Socratic Method”
  - Divide problem into questions
  - Responses lead to Answers
- Logic
- Prolog.



# GULLIVER'S TRAVELS (SWIFT, 1726)

- Island of Laputa
- Levitates, computer-like controller
  - Helps inhabitants produce scholarly works.



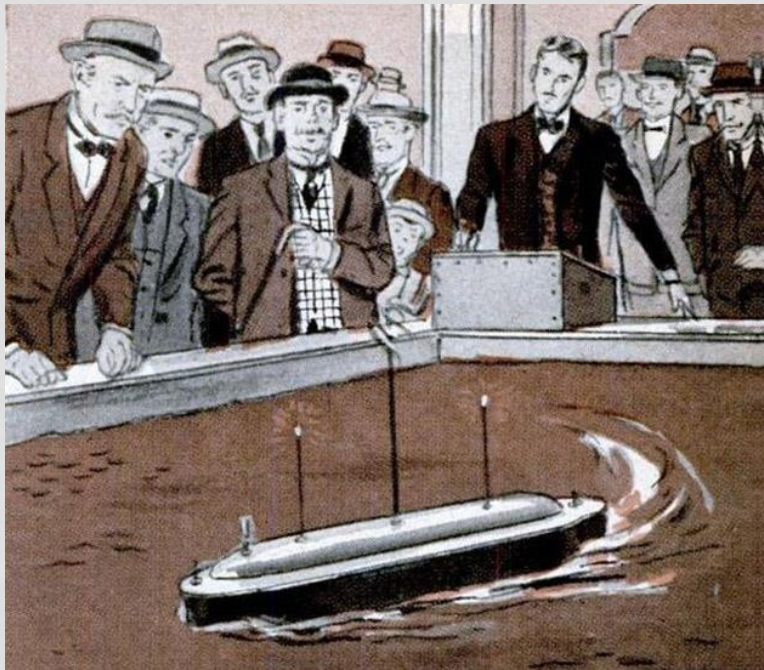
# THOMAS BAYES (1701-1761)

- Probability
- Foundations of Machine Learning



# TESLA DEMONSTRATION (1898)

- Radio controlled boat
- Explained as a “borrowed mind”



# TURING

- Enigma Machine cracking (1940)
- Turing Test (ca 1950)
  - The first CAPTCHA!



# HAL: 2001: A SPACE ODYSSEY (1969)





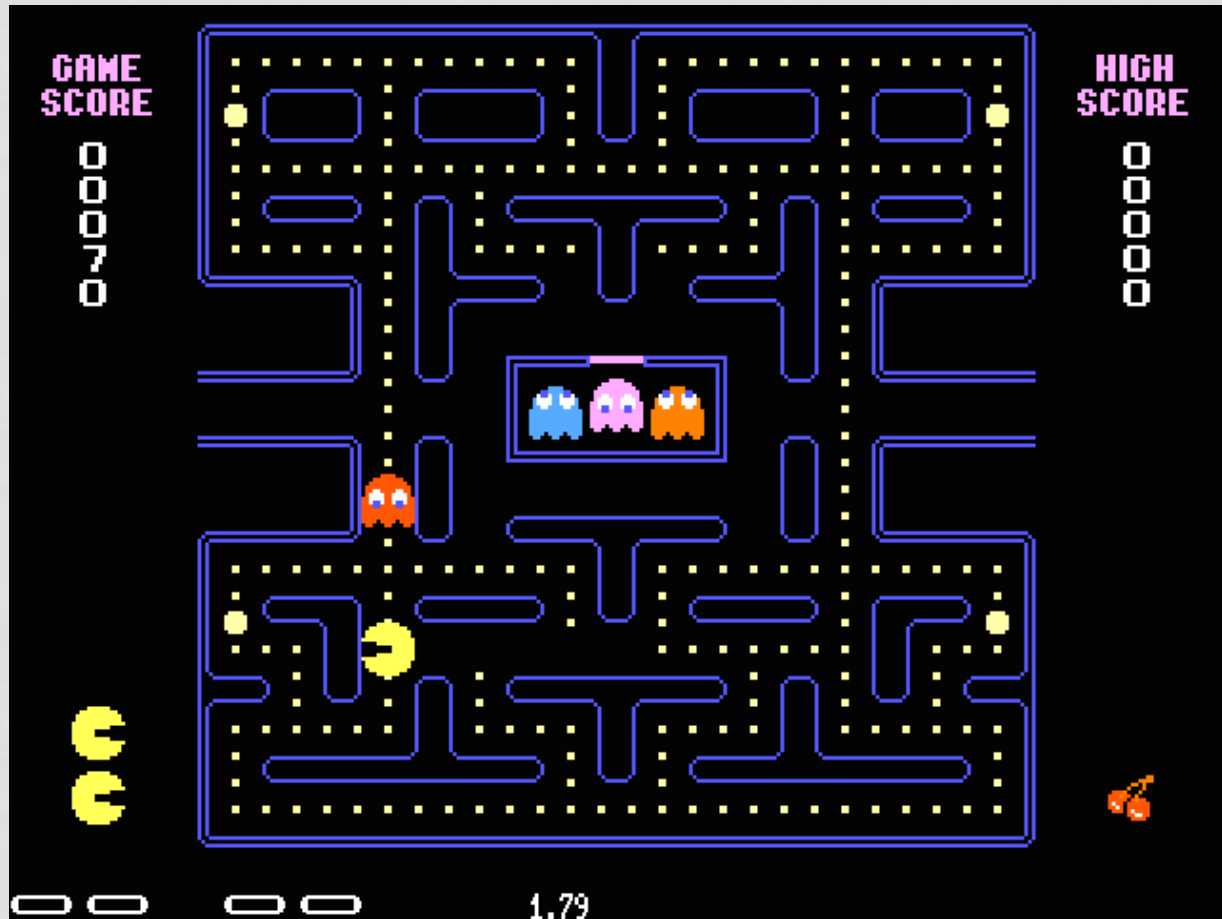
# PRACTICAL OCR (CA 1976)

- Now considered a “solved” problem



# GAME AI

- Pac-Man (1980)



# SKYNET: TERMINATOR (1984)



# PRACTICAL SPEECH RECOGNITION

- 1990
- \$9000+
- (and terrible!)



**DRAGON**  
NATURALLY SPEAKING

# AI (2001)



# SELF-DRIVING CARS (CA 2009)



# SO WHAT IS (AND ISN'T) AI?

- You tell me!