

# Welcome to **INTERNSHIP STUDIO**

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Module 01 | Lesson 01

## **Introduction to Artificial Intelligence**

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Overview

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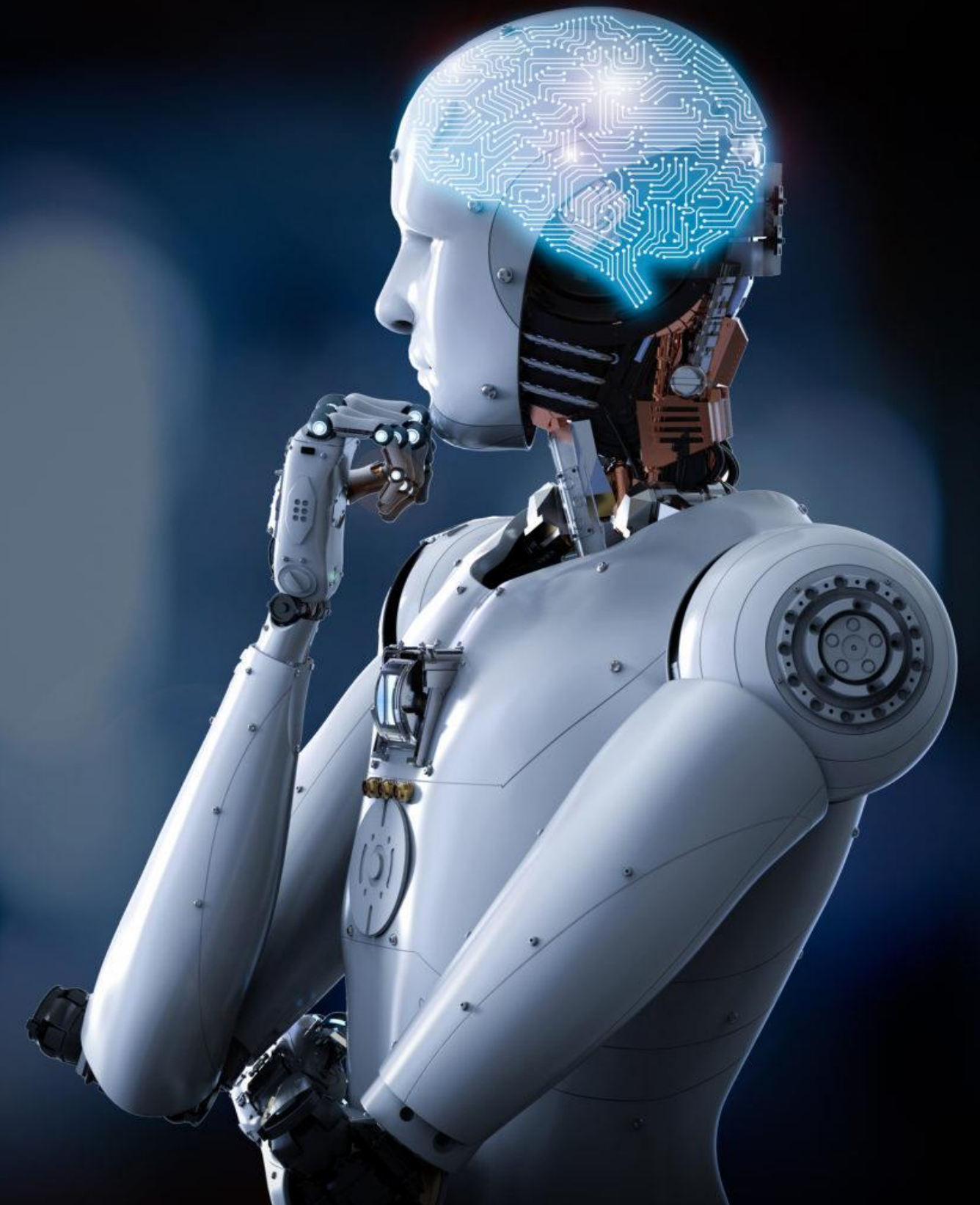
AR with AI

When will AI Exceed

Human Performance?

Artificial Intelligence VS

Human Intelligence





# What is Artificial Intelligence?

The power of a machine to copy intelligent human behavior. Right???







# What is Artificial Intelligence?

## Narrow Intelligence



## General Intelligence



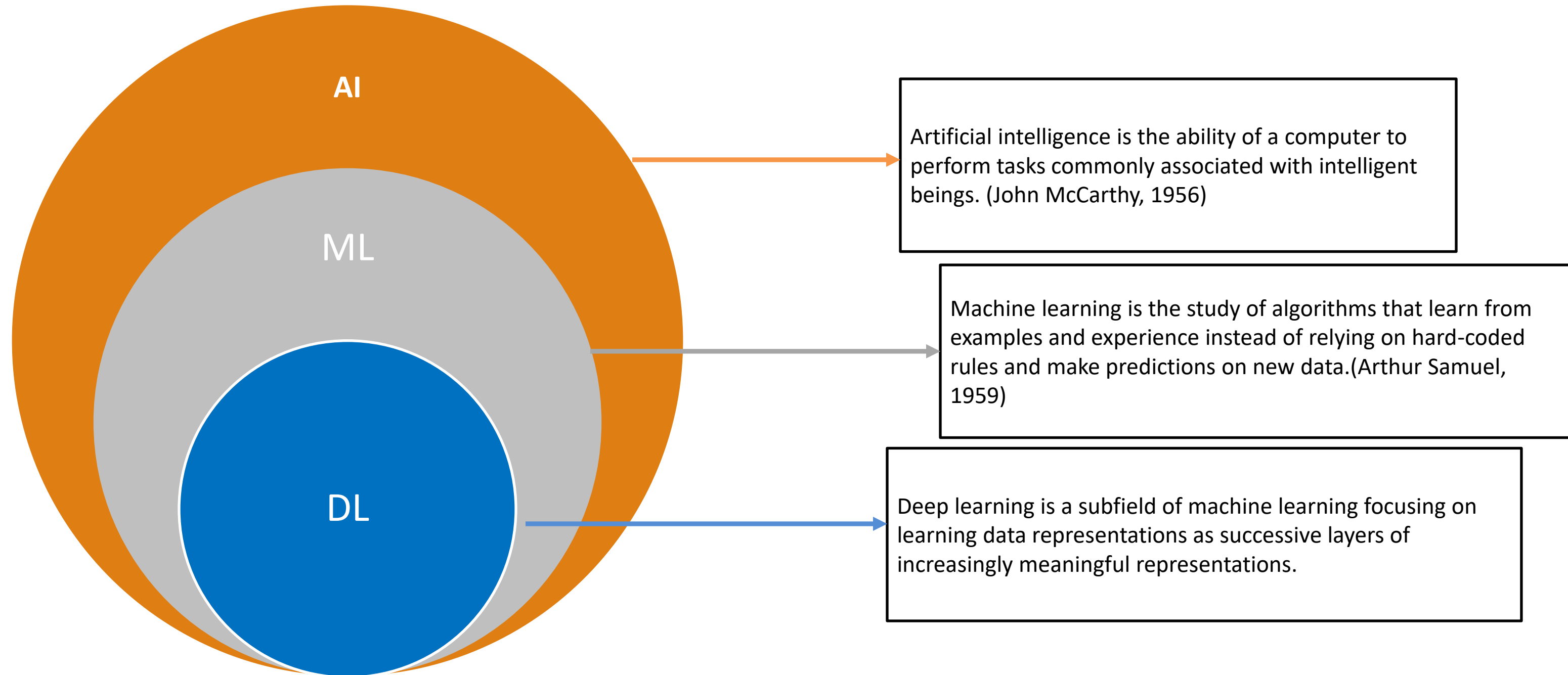
## Super Intelligence

Artificial Narrow Intelligence (ANI) is AI that specializes in one area. It is machine intelligence that equals or exceeds human intelligence or efficiency, but in one specific area. Smartphone apps, spam filters, Google translate and Google search are all examples of ANI.

Artificial General Intelligence refers to a computer that is as smart as a human across the board and that can perform any intellectual task that a human being can.

Artificial super-intelligence is an intellect that is much smarter than the best human brains in practically every field, including scientific creativity, general wisdom and social skills. Artificial Super-intelligence ranges from a computer that's just a little smarter than a human to one that is trillions of times smarter — across the board.

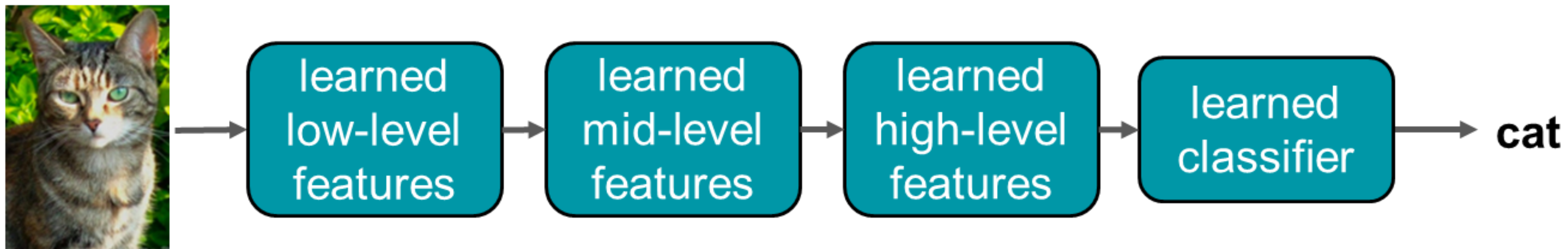
# AI vs Machine Learning vs Deep Learning



## “Traditional” machine learning:

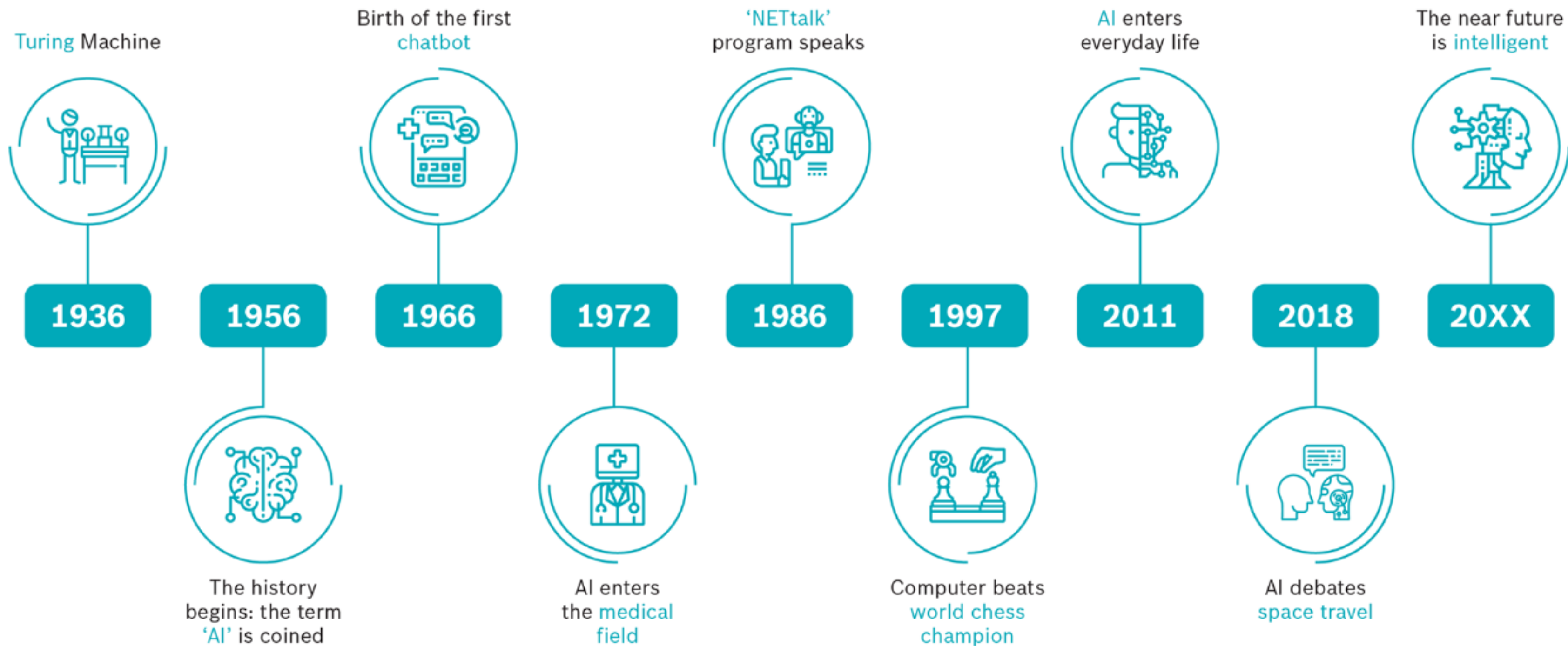


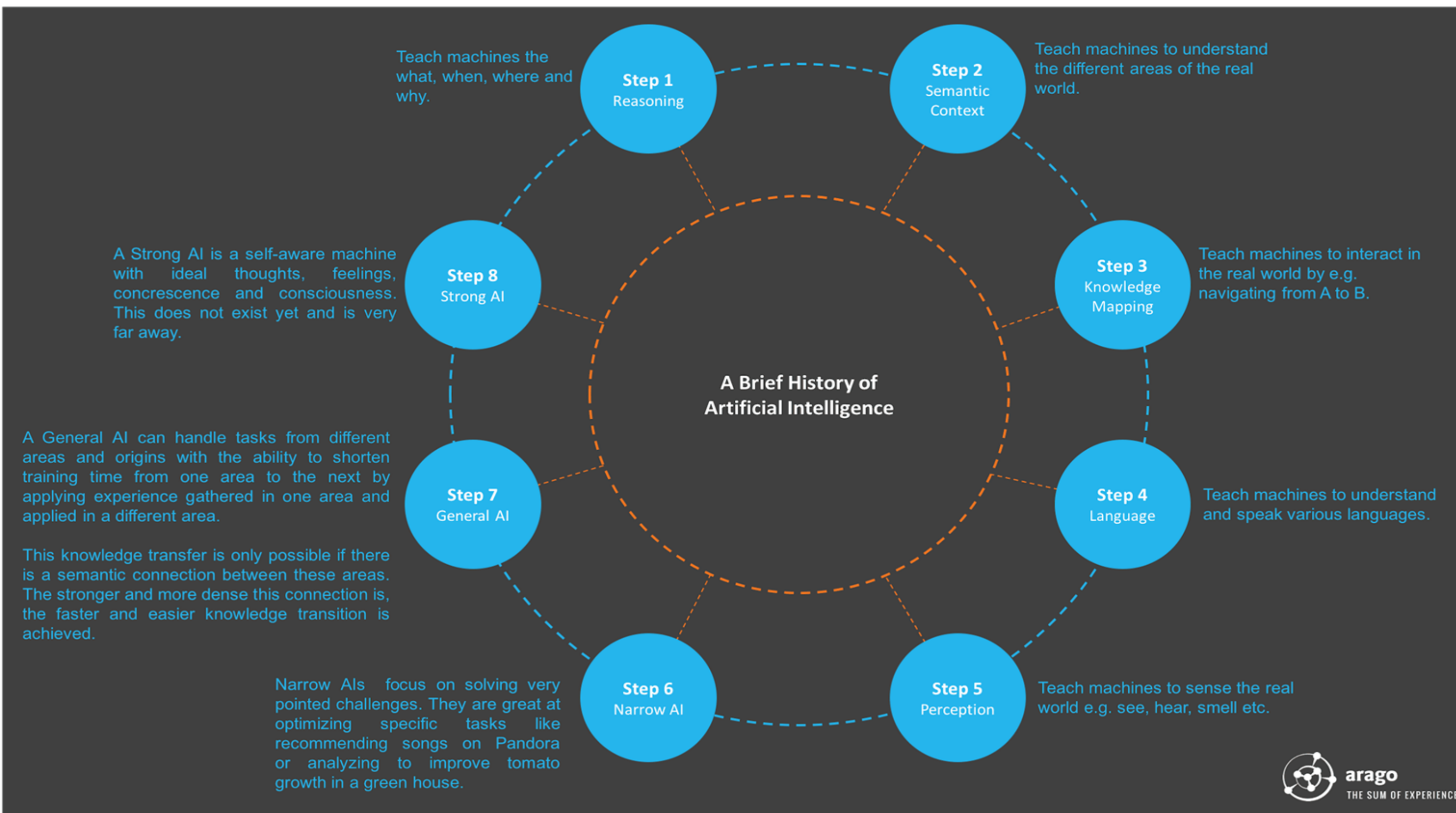
## Deep, “end-to-end” learning:





# Milestones in AI



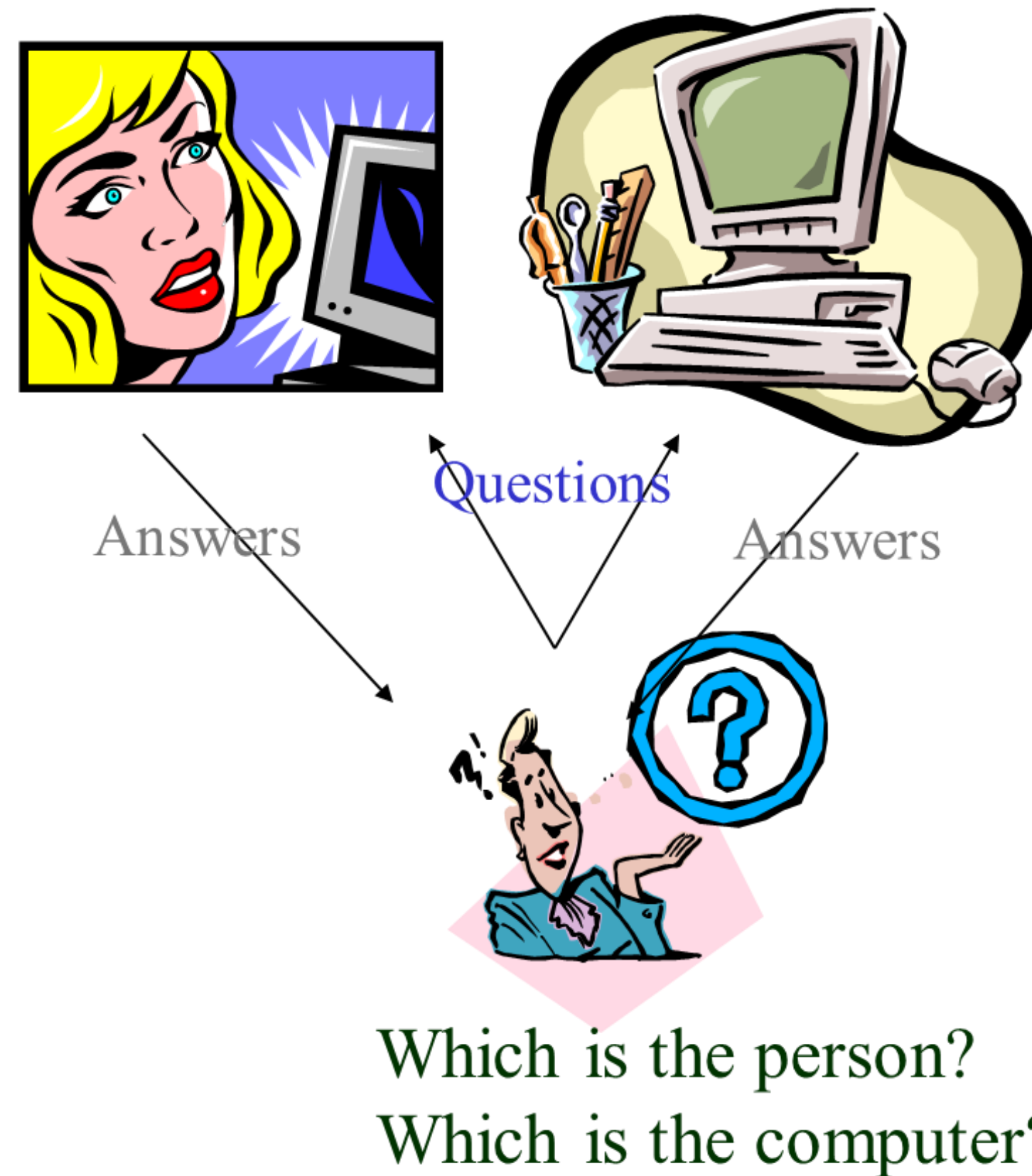




# The Turing Test

1950 – Alan Turing devised a test for intelligence called the Imitation Game

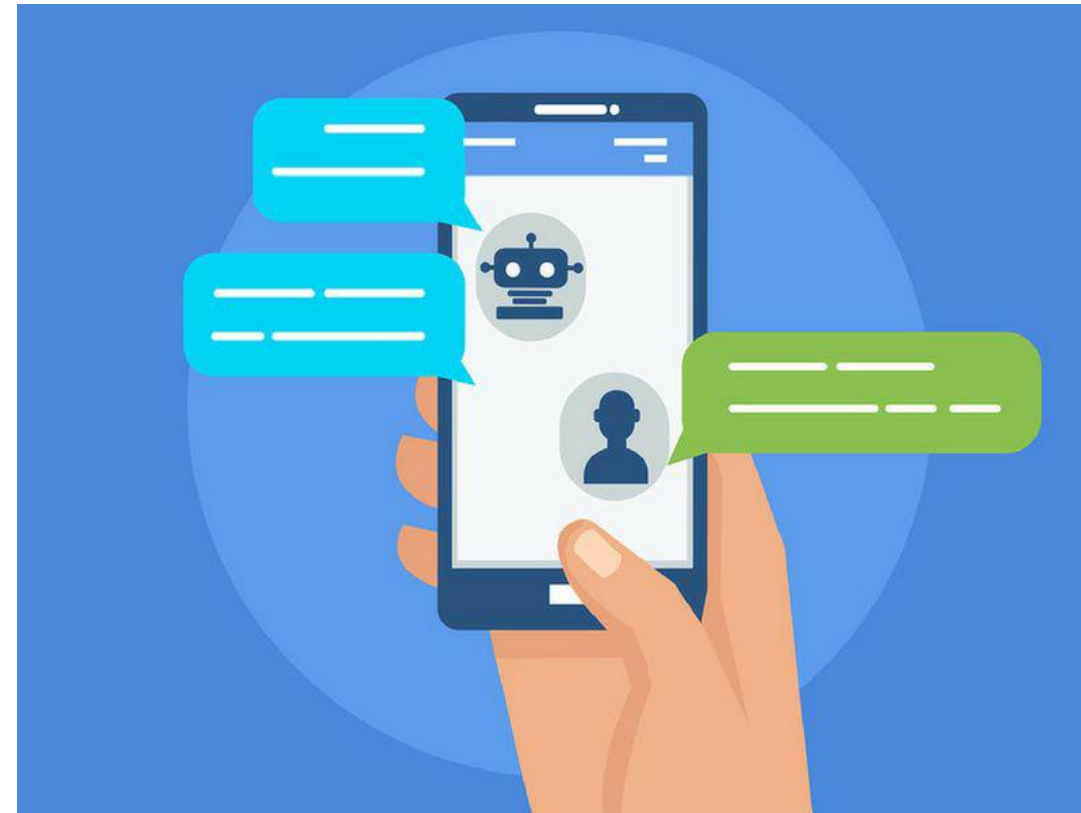
- Ask questions of two entities, receive answers from both
- If you can't tell which of the entities is human and which is a computer program, then you are fooled and we should therefore consider the computer to be intelligent



# Examples of AI



Autonomous Cars



Chatbot



Drones

Many More



Human vs Computer games



Robot



# Advantages of AI

The most important purpose of A.I. is to reduce human casualties in

- Wars
- Dangerous Workspaces
- Car Accidents
- Natural Disasters

Or to just make everyday life easier by helping with tasks such as:

- Cleaning
- Shopping
- Transportation





# Disadvantages of AI

1. increased costs
2. difficulty with software development - slow and expensive
3. few experienced programmers
4. few practical products have reached the market as yet.