

# Introduction to Artificial Intelligence with Python

# Artificial Intelligence

# Sci-Fi or Reality?

**SCHWARZENEGGER**



**TERMINATOR 2**  
**JUDGMENT DAY**





# AlphaGo Zero

Starting from scratch



# Artificial Intelligence

Search

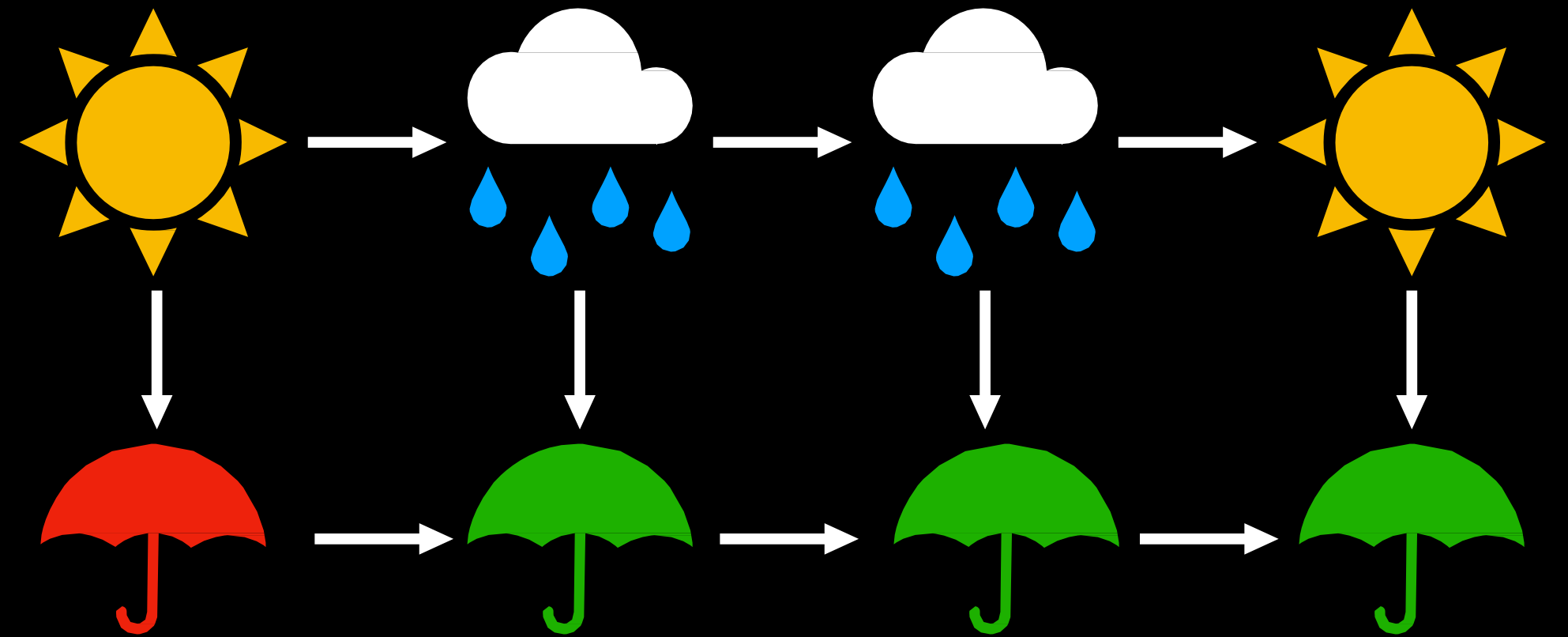
O		
	X	X
	O	X



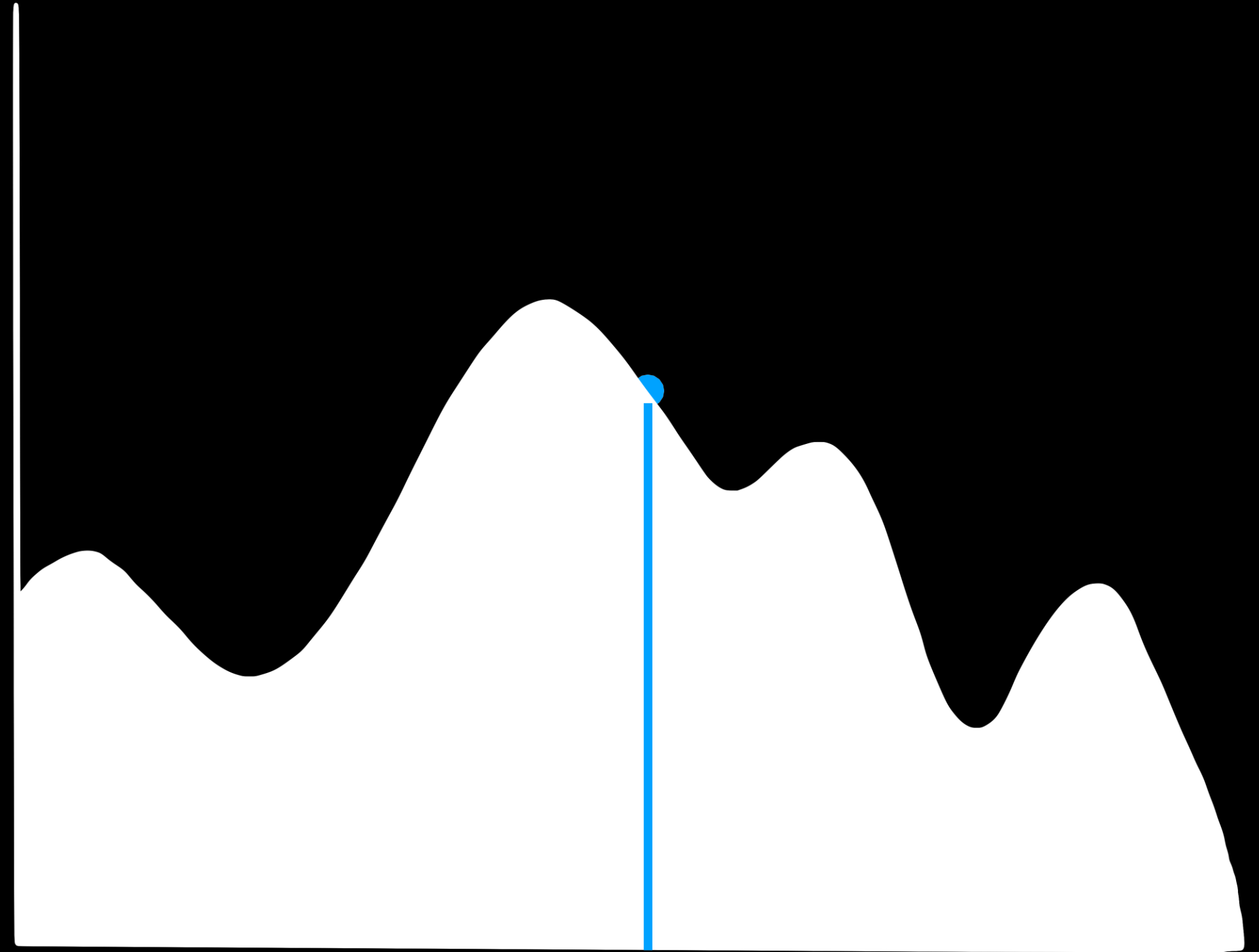
# Knowledge

$$\frac{P \rightarrow Q \quad P}{Q}$$

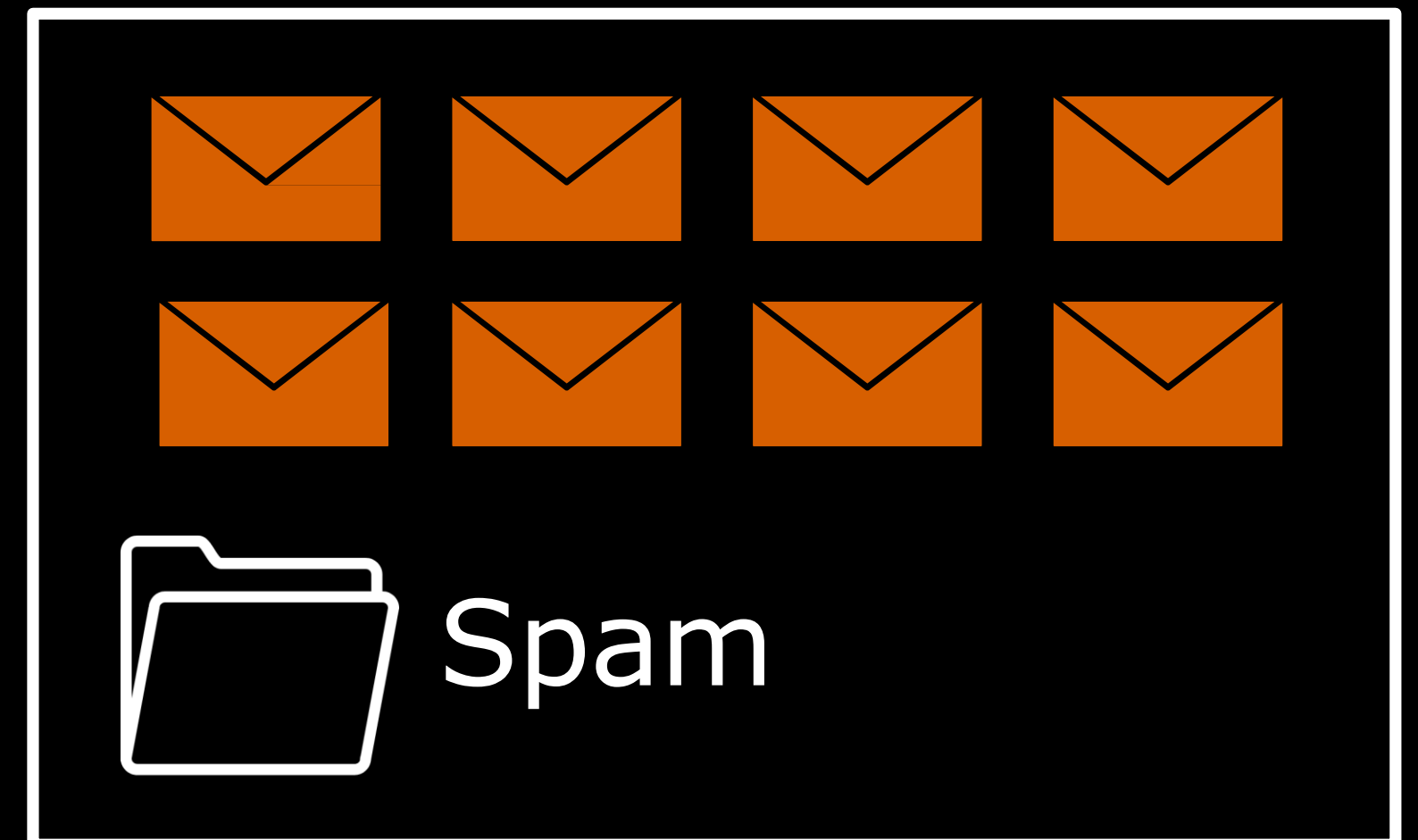
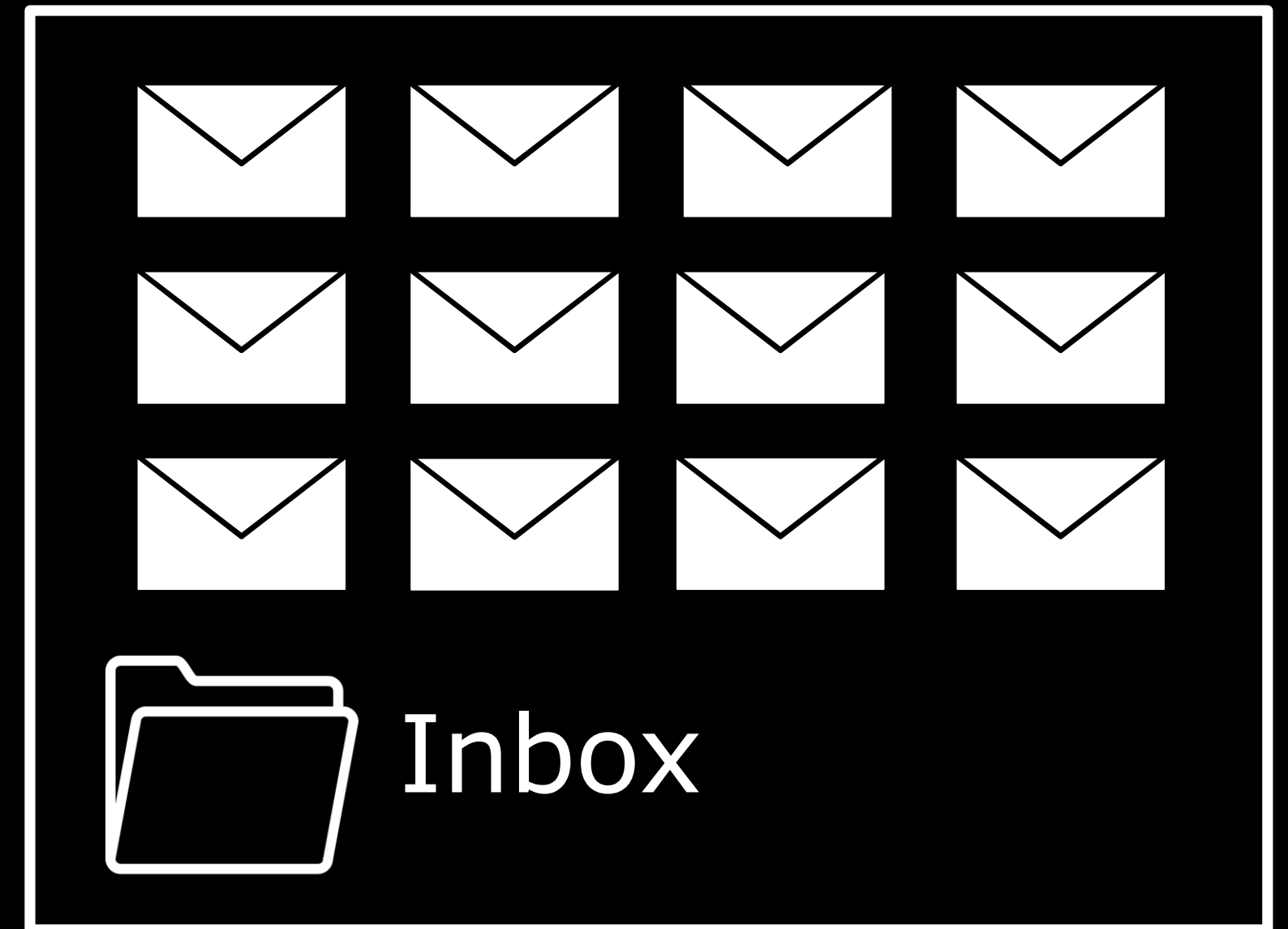
# Uncertainty



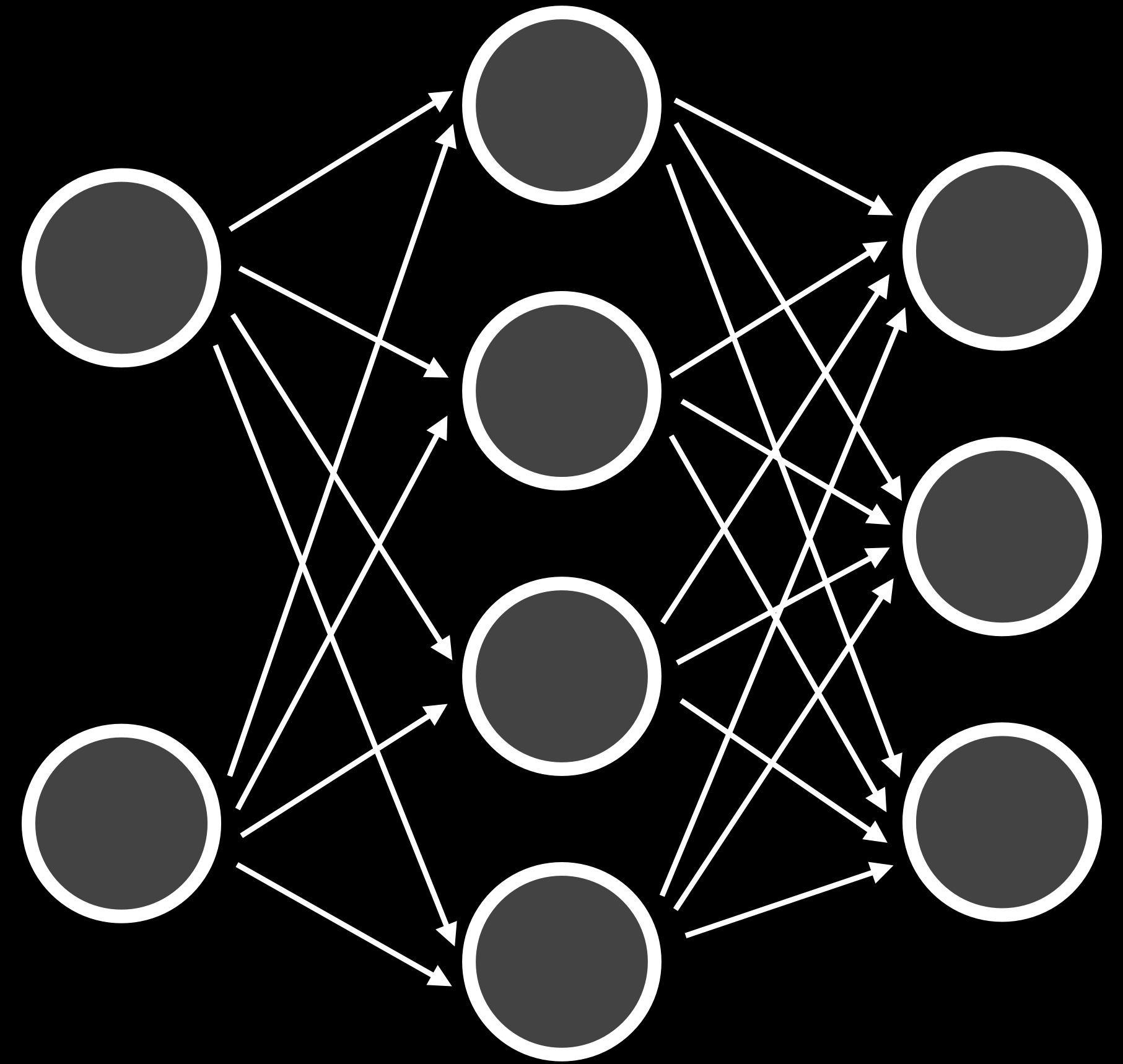
# Optimization



# Learning

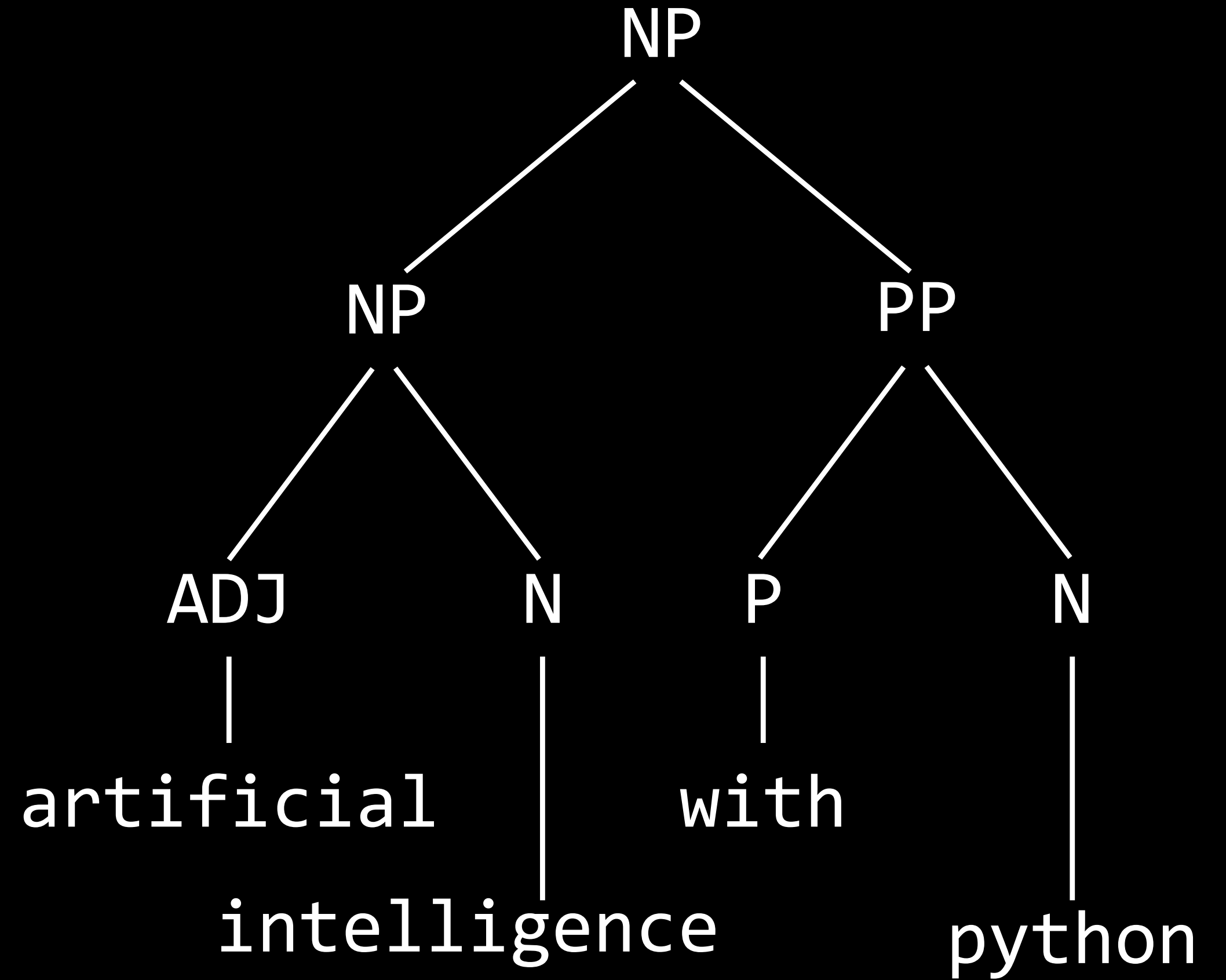


# Neural Networks





# Language



- Search
- Optimization
- Learning
- Neural Networks

Build an AI software to self learn and  
play snake game

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