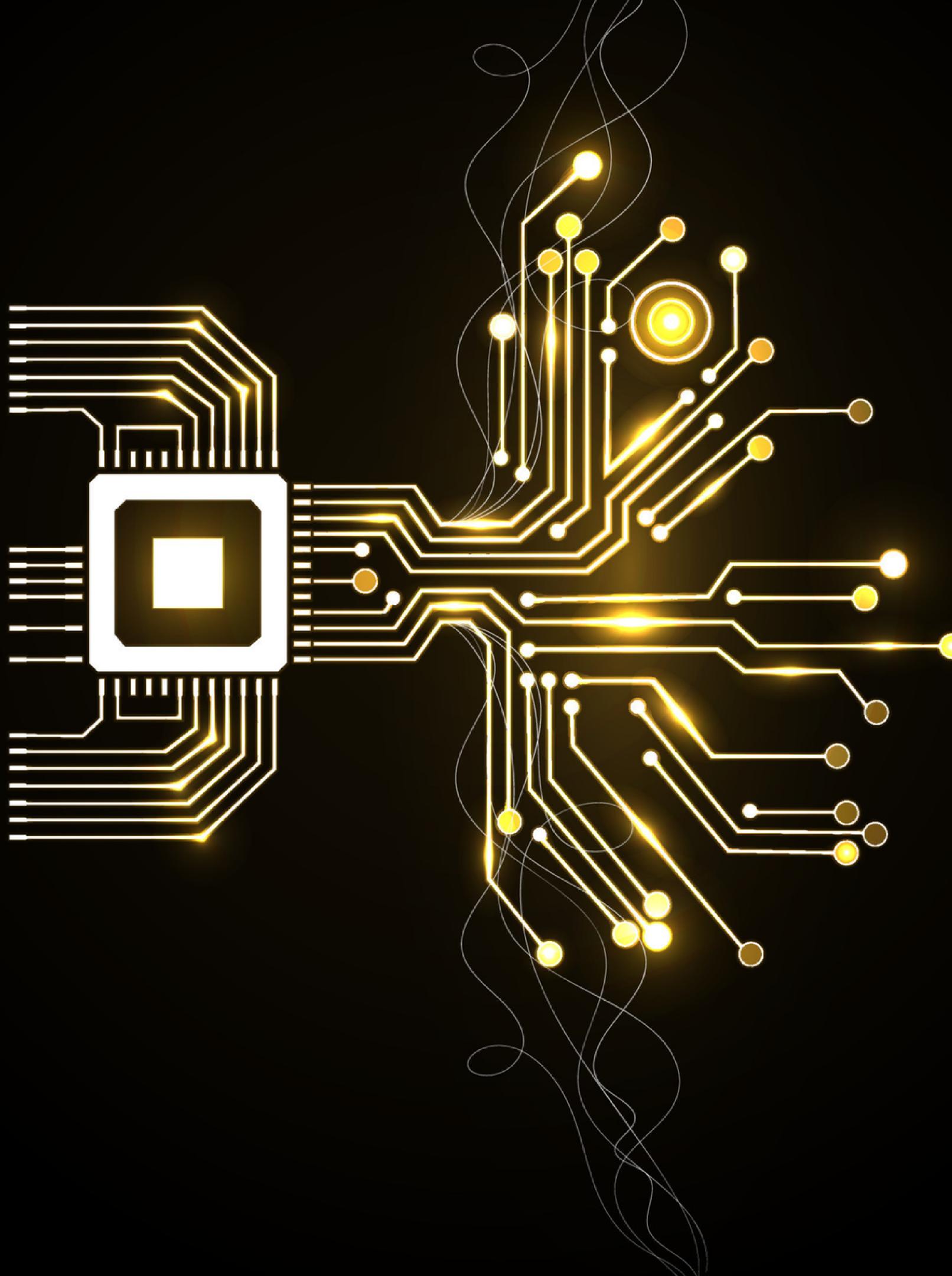


Building with Large Language Models





Agenda

- GPTs
- Access to Custom Knowledge
- Tools
- Fine Tuning

https://chat.openai.com/gpts

ChatGPT

Explore GPTs

Today

Fixing a road bike

Calculus homework

9:41

Explore

Top Picks My GPTs DALL-E Writing

Featured

Curated top picks from this week

AllTrails

Find trails that fit your nature for your next hike, ride, or run.

By alltrails.com

Consensus

Formerly ResearchGPT. Search 200M academic papers from Consensus, get science-based answers, and draft...

By Krog

Code Tutor

Let's code together! I'm Khanmigo Lite, by Khan Academy. I won't write the code for you, but I'll help you work things out.

By khanacademy.org

Books

Your AI guide in the world of literature and reading.

By Josh Brent N. Villocido

Trending

Most popular GPTs by our community

1 DesignerGPT

Creates and hosts beautiful websites

By Pietro Schirano · 50.1k

2 Canva

Effortlessly design anything: presentations, logos, social media posts and more.

By Canva · 67.3k

3 ScholarAI

Your Research Assistant - I'll help you navigate over a corpus of 200M articles, journals, and books

By scholarai.io · 50.1k

4 AI PDF

AI PDF GPT (Top PDF GPT), can handle PDF documents up to 2GB PER FILE, allows 1000s of PDF uploads on myaidrive.com

By myaidrive.com · 209.5k

GPTs

Discover and create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

Search Public GPTs

Top Picks DALL-E Writing Research & Analysis Programming Education Productivity Lifestyle

Featured

Curated top picks from this week

AllTrails
Find trails that fit your nature for your next hike, ride, or run.
By alltrails.com

Consensus
Formerly ResearchGPT. Search 200M academic papers from Consensus, get science-based answers, and draft content with...
By Consensus

Code Tutor
Let's code together! I'm Khanmigo Lite, by Khan Academy. I won't write the code for you, but I'll help you work things out. Can you tell me...
By khanacademy.org

Books
Your AI guide in the world of literature and reading.
By Josh Brent N. Villocido

Trending

Most popular GPTs by our community

1 **DesignerGPT**
Creates and hosts beautiful websites
By Pietro Schirano · 50.1k

2 **Canva**
Effortlessly design anything: presentations, logos, social media posts and more.
By Canva · 67.3k

3 **ScholarAI**
Your Research Assistant - I'll help you navigate over a corpus of 200M articles, journals, and books
By scholarai.io · 50.1k

4 **AI PDF**
AI PDF GPT (Top PDF GPT), can handle PDF documents up to 2GB PER FILE, allows 1000s of PDF uploads on myaidrive.com
By myaidrive.com · 209.5k



Re-creating GPTs locally

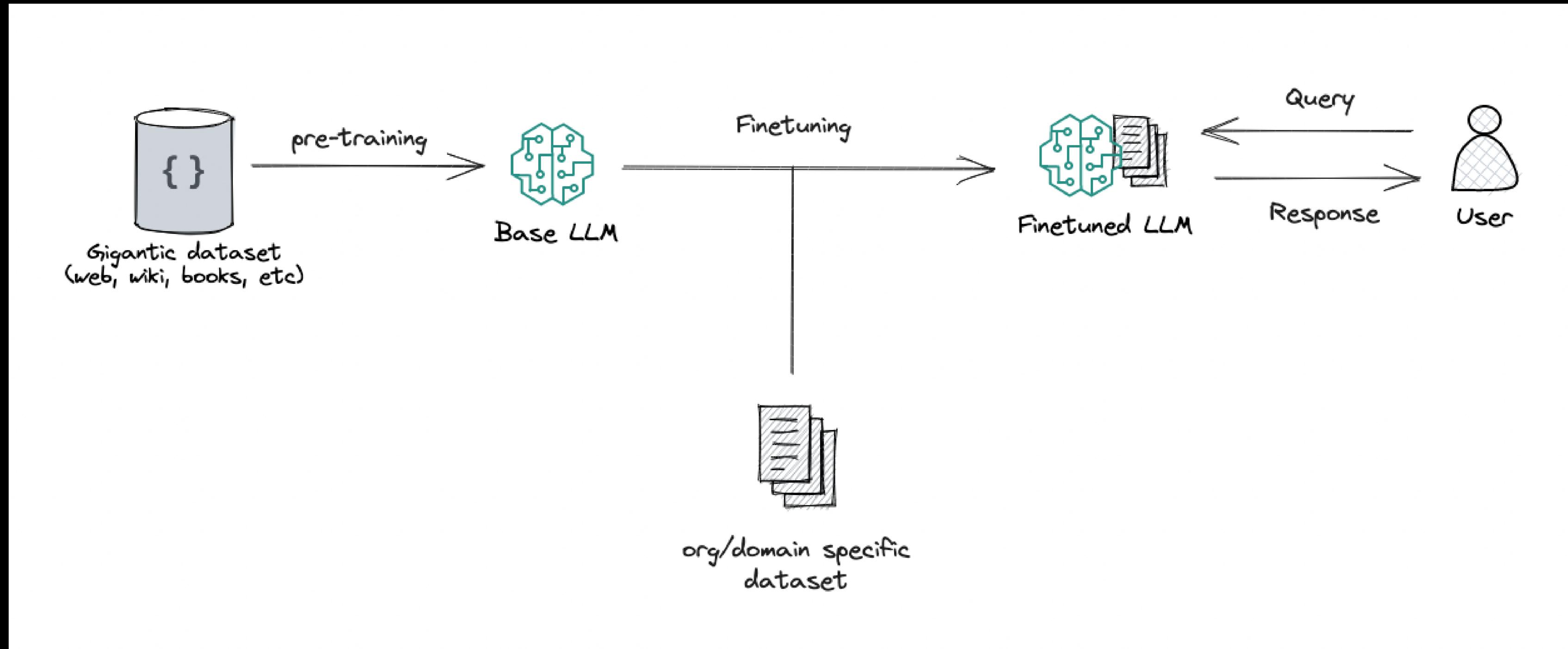
Access to Custom Knowledge

- Fine-tuning
- Retrieval Augmented generation

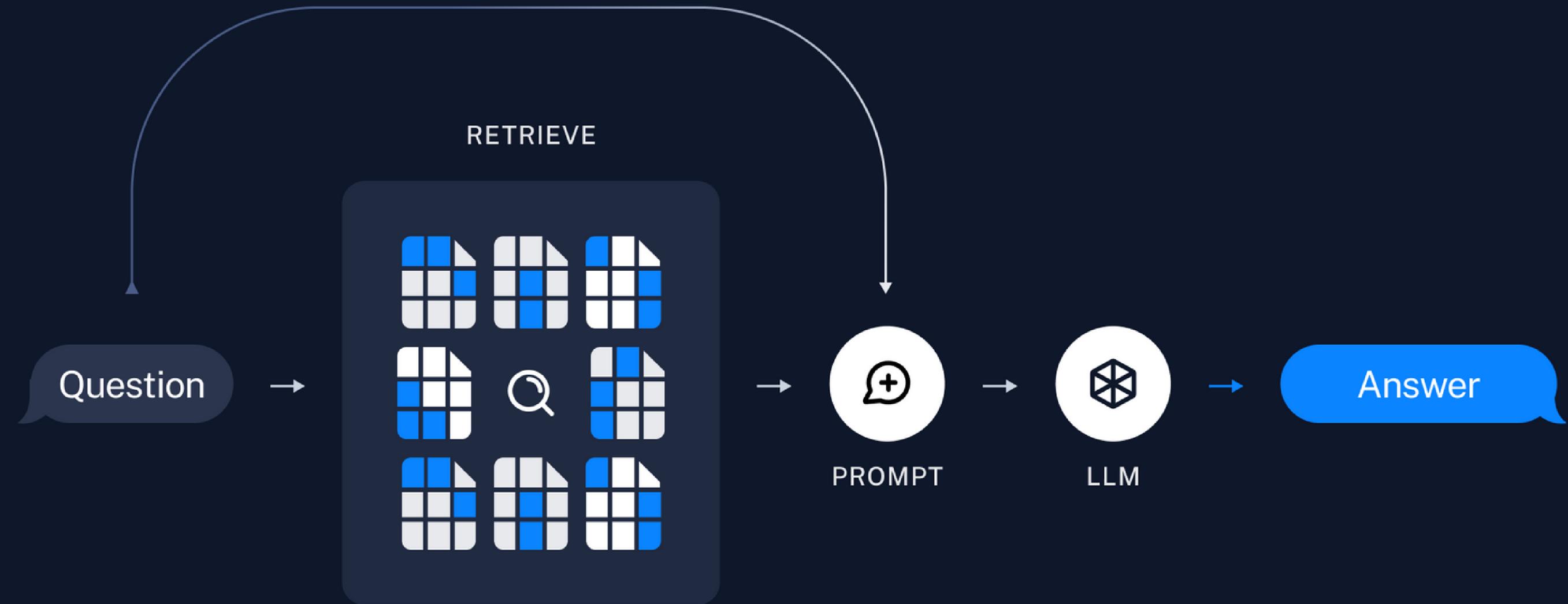
Tools

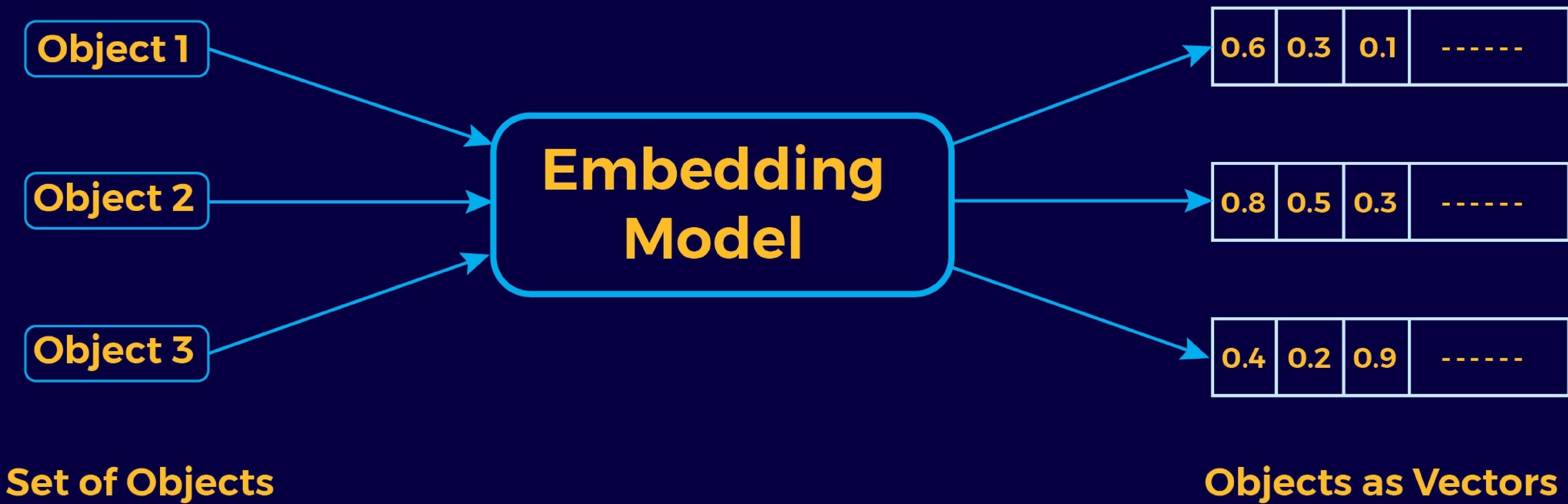
-Possibilities endless

FINE-TUNING

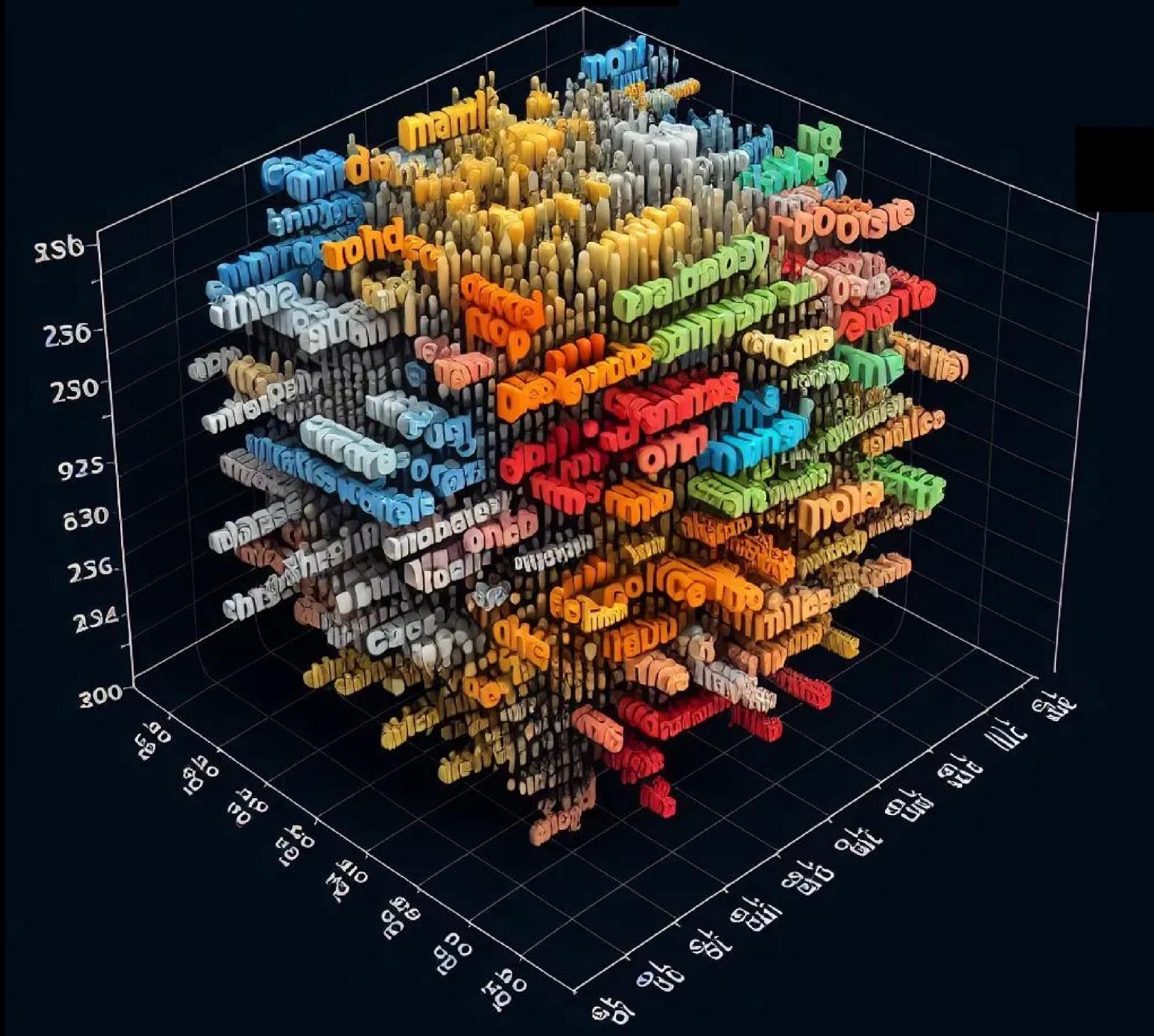


RETRIEVAL AUGMENTED GENERATION





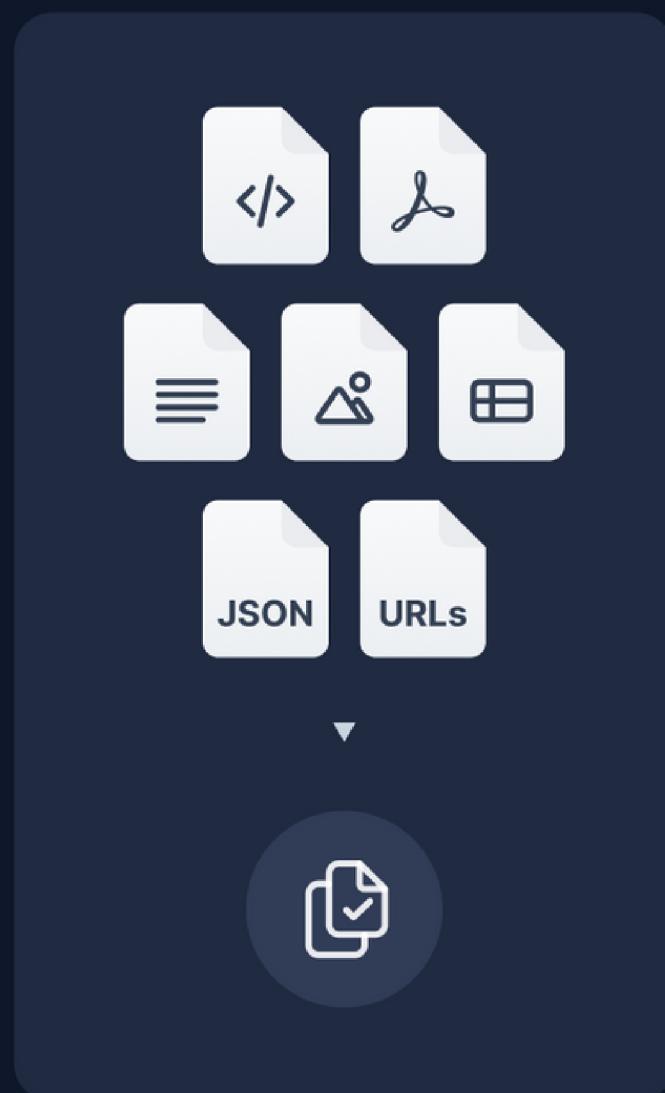
VECTOR DATABASE



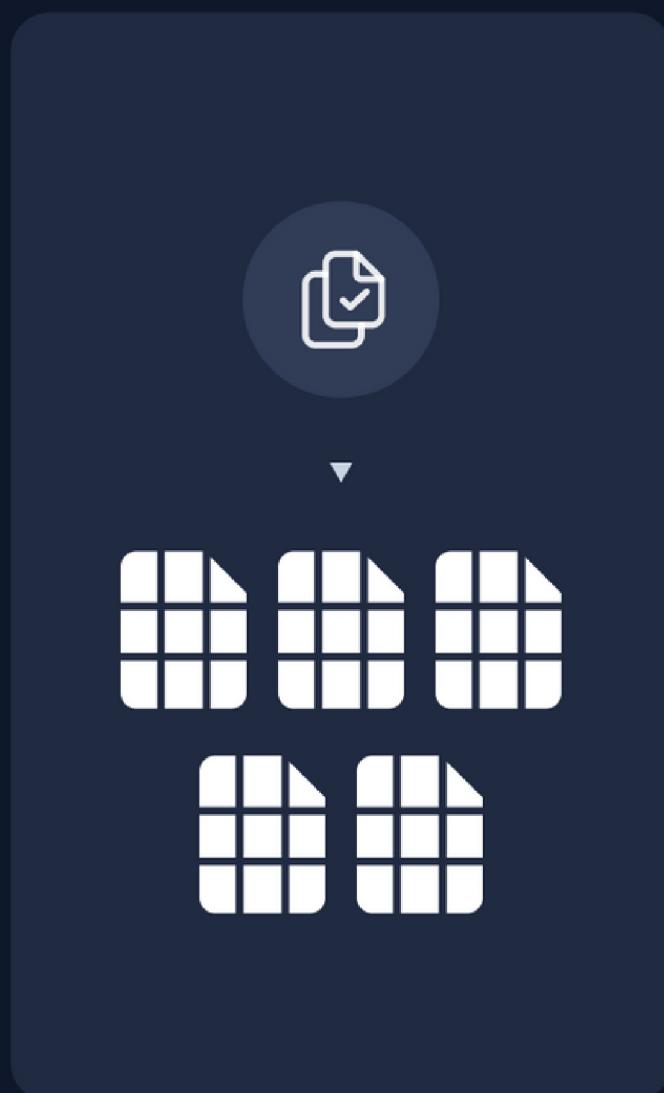
KING - ADULT + CHILD = PRINCE

<6,0.2,0, 1> - <1,0.3,0, 5> + <7,0.9,0,8> ≈ <9,0.9,0, 1>

LOAD



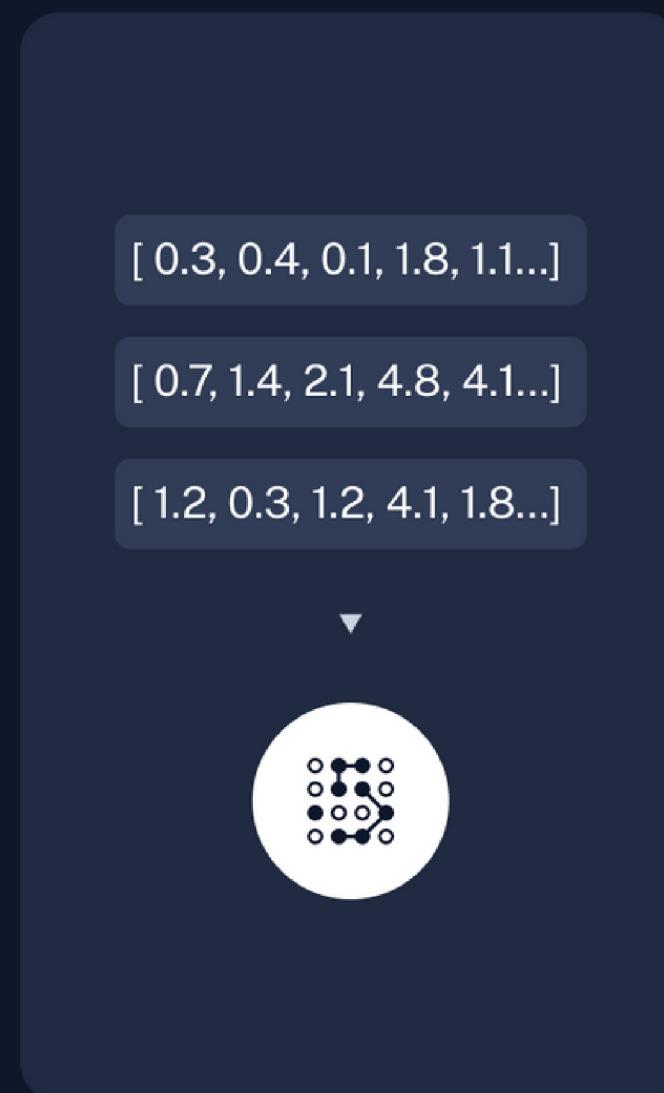
SPLIT

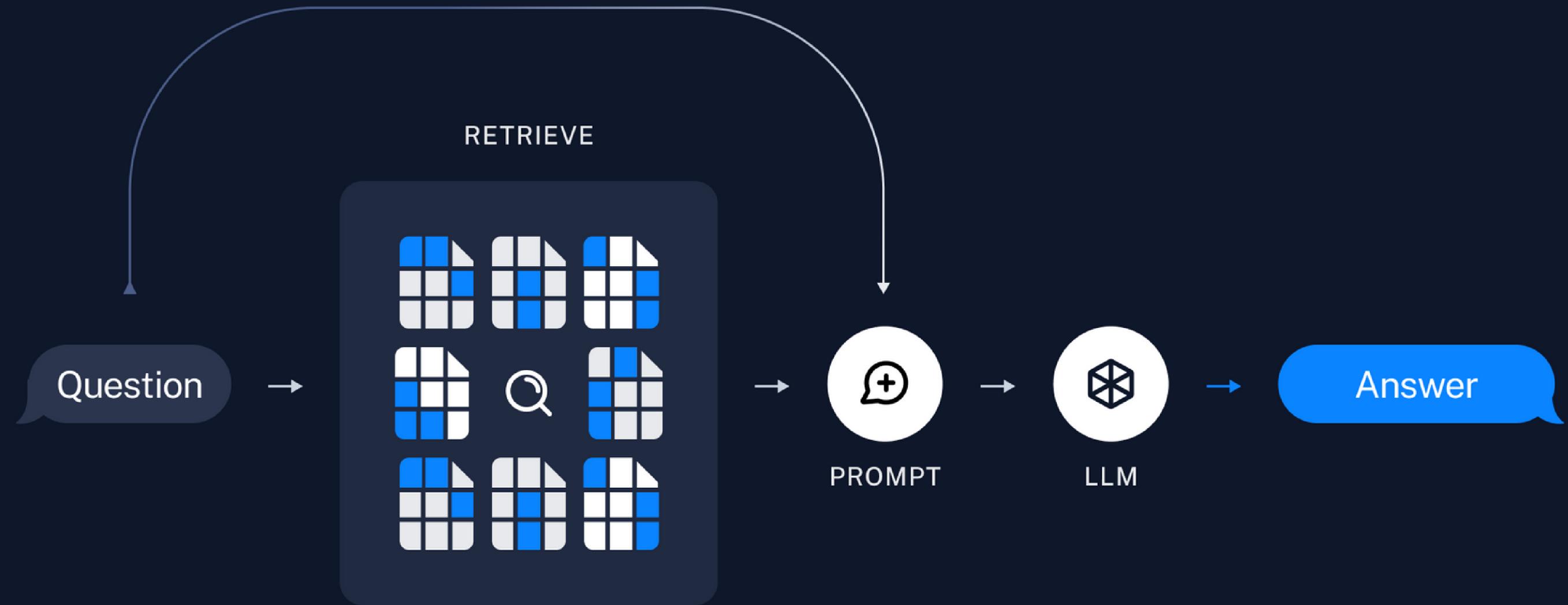


EMBED



STORE





HotPotQA

Question: Seven Brief Lessons on Physics was written by an Italian physicist that has worked in France since what year?

(a) Standard

Answer: 1986

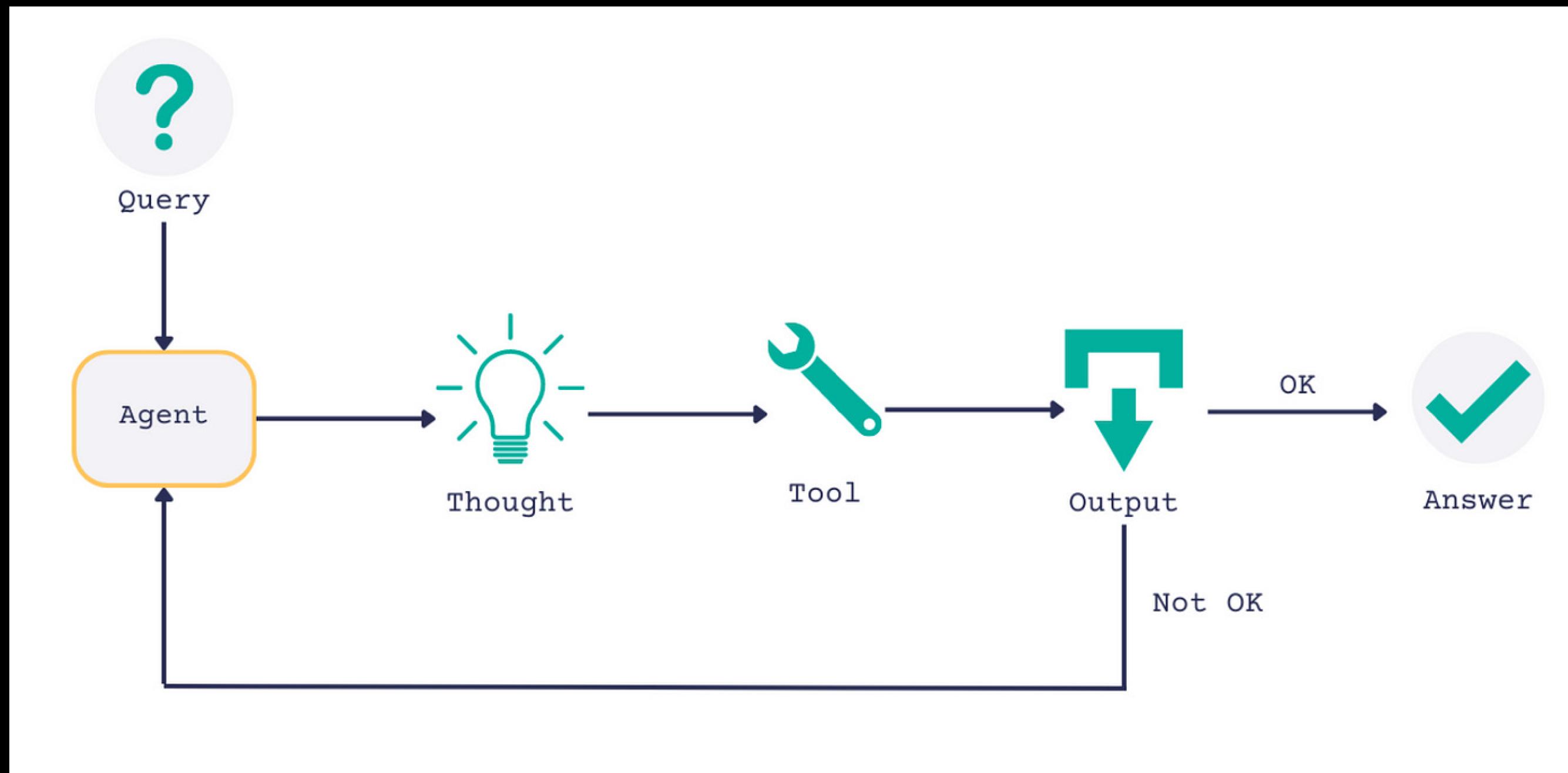


(b) Reason only

Thought: Let's think step by step. Seven Brief Lessons on Physics was written by Carlo Rovelli. Carlo Rovelli has worked in France since 1990.

Answer: 1990





(c) Act only

Act 1: [Search](#)[Seven Brief Lessons on Physics]

Obs 1: Seven Brief Lessons on Physics (Italian: Sette brevi lezioni di fisica) is a short book by the Italian physicist Carlo Rovelli. Originally published in Italian in...

Act 2: [Lookup](#)[Carlo Rovelli]

Obs 2: (Result 1 / 1) Seven Brief Lessons on Physics (Italian: Sette brevi lezioni di fisica) is a short book by the Italian physicist Carlo Rovelli.

Act 3: [Finish](#)[1983]



(d) ReAct

Thought 1: I need to search Seven Brief Lessons on Physics, find its author, then find when the author has worked in France since.

Act 1: [Search](#)[Seven Brief Lessons on Physics]

Obs 1: Seven Brief Lessons on Physics (Italian: Sette brevi lezioni di fisica) is a short book by the Italian physicist Carlo Rovelli. Originally published in Italian in...

Thought 2: The author of Seven Brief Lessons on Physics is Carlo Rovelli. I need to search Carlo Rovelli next and find when he has worked in France since.

Act 2: [Search](#)[Carlo Rovelli]

Obs 2: Carlo Rovelli is an Italian theoretical physicist and writer who has worked in Italy, the United States and, since 2000, in France.[1] He is also currently a Distinguished Visiting Research Chair at the Perimeter Institute...

Thought 3: Carlo Rovelli has worked in France since 2000. So the answer is 2000.

Act 3: [Finish](#)[2000]



