

Algorithm of Thoughts Prompting

Instructor

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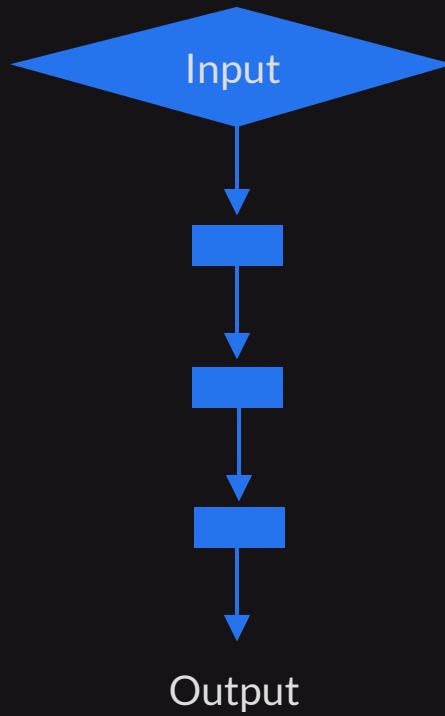
Definition

- An algorithm of Thought (AoT) is a new way to empower large language models with step-by-step problem-solving frameworks.

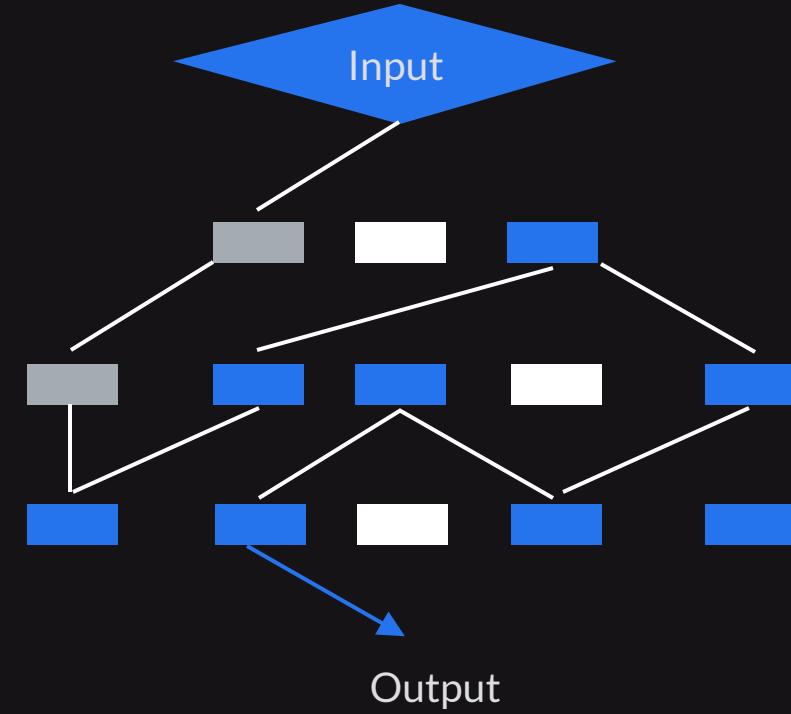
How Does it Work

- **Guided Exploration:** Streamlines the discovery of solutions with minimum queries.
- **Detailed Roadmap:** Offers a comprehensive guide for traversing through problem space.
- **Efficient Problem-solving:** Boasts a sophisticated search strategy that resolves queries more efficiently than CoT.

How Does it Work

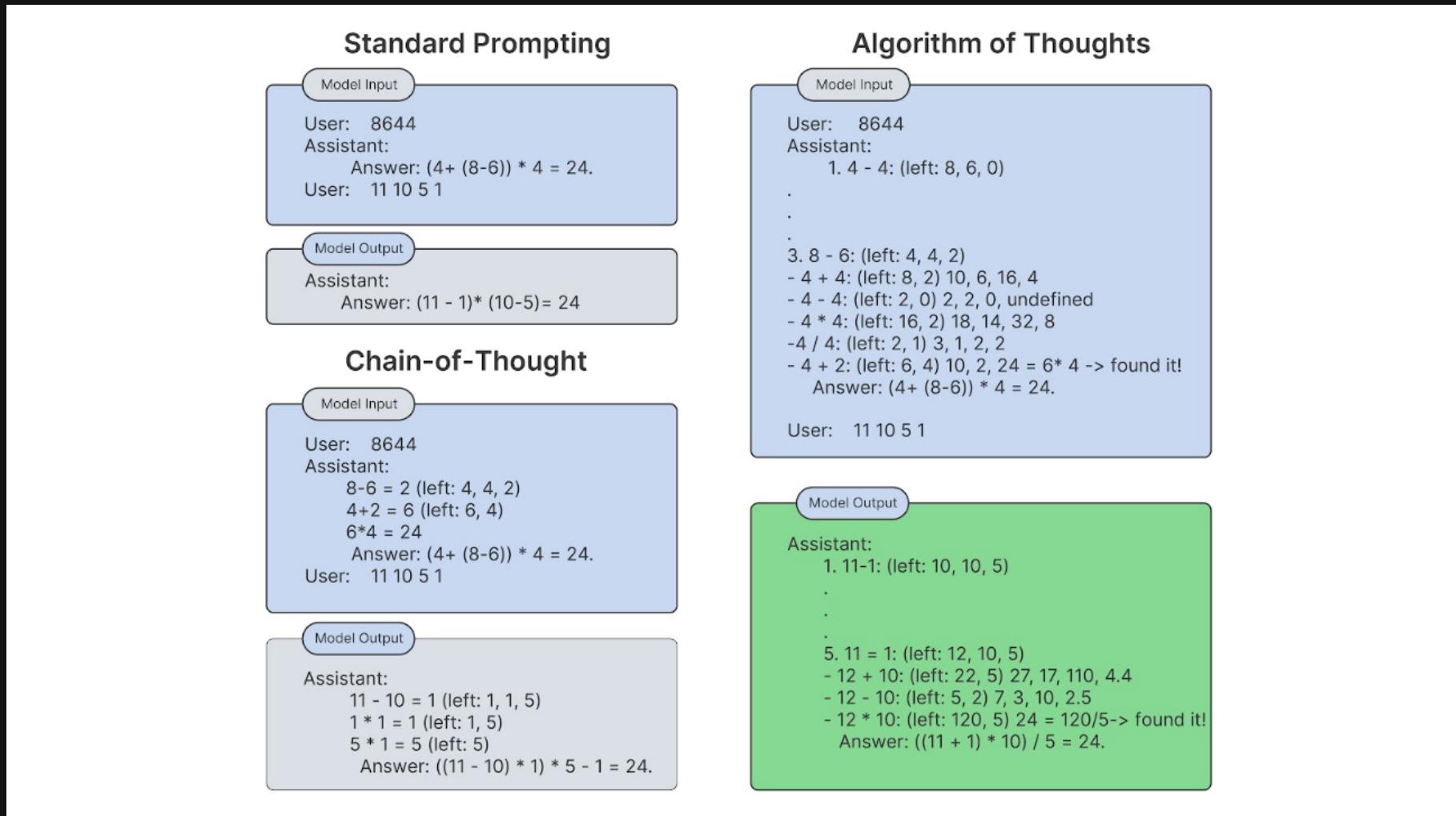


Chain-of-
Thoughts



Algorithm of
Thoughts

Algorithm of Thoughts: Example



Cons: Algorithm of Thoughts Prompting

Demands higher computational power due to its generation of multiple idea streams.

Despite reduced query count, it still consumes more resources than basic methods.

Optimized for high-end models like GPT-4, potentially costlier with lower-tier models.

Thank You
