

# Chain-of-Questions (For Multistep Question Answering)

## Instructor

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# Definition

- Chain-of-questions is an advanced technique enabling to tackle tough questions by splitting them into smaller, more manageable ones.

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- It's a learning process for AI, where it gets the hang of handling layered questions step by step.

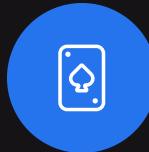
# How Chain-of-Questions Works



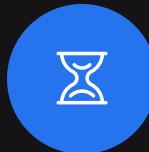
Employs a blend of strategies - **Hard-EM** and **MAPO** - for learning from both successful resolutions and past errors.



The AI increasingly leans on successful past answers via the MAPO strategy to boost the future accuracy.

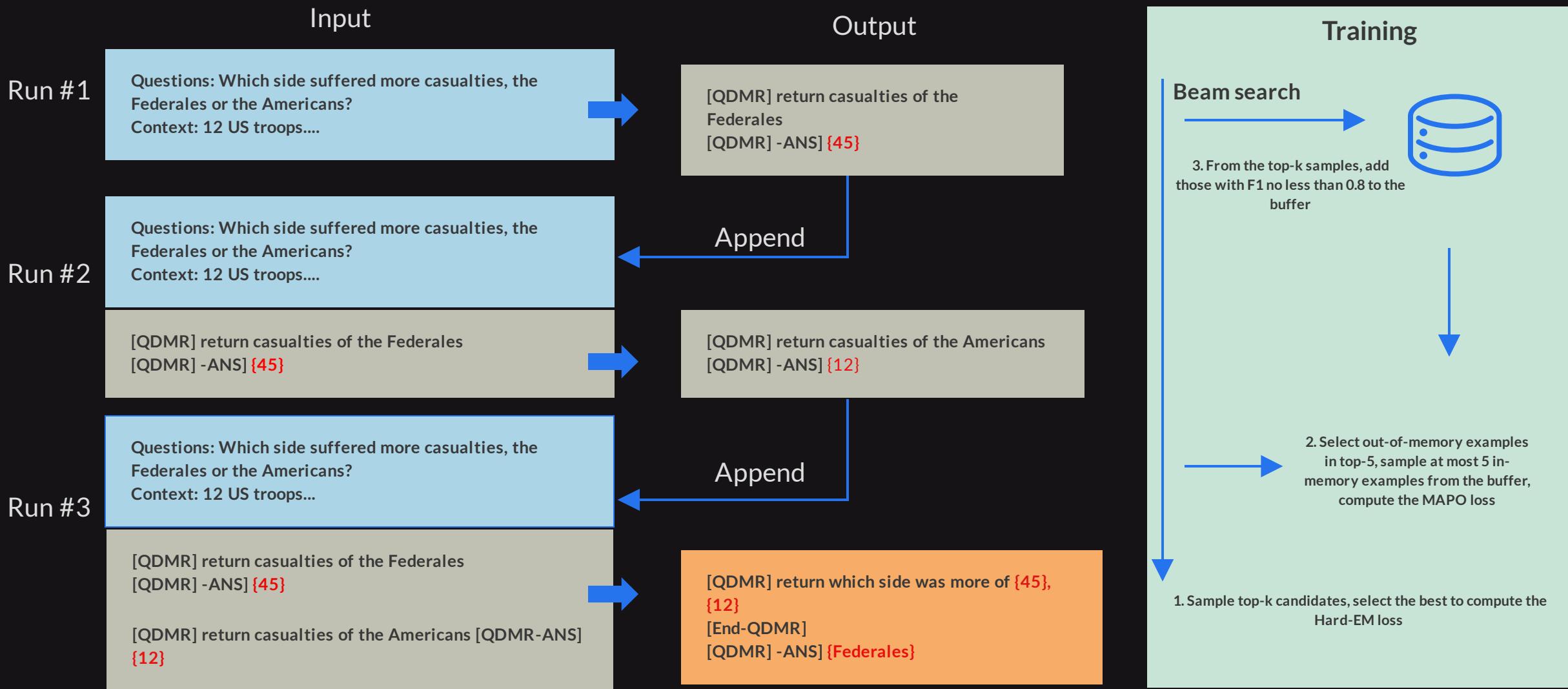


Outperforms older methods, significantly enhancing AI's proficiency in solving challenging questions.



Efficient for challenging datasets, showcasing the robustness of question-answering models.

# Chain-of-Questions: Example



# Chain-of-Question: Practical Use-case

Enhances digital assistant and search engine capabilities in answering complex questions by breaking them into simpler parts.

Offers significant improvements in automated multi-part query resolution for customer support systems.

Valuable for educational programs that support step-by -step problem-solving skills.

Bolsters AI performance in professional fields such as law and healthcare, where nuanced question interpretation is essential.

# Thank You

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