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Forward Backward Reasoning(For Mathematical Verifications)

Instructor

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Definition

- Forward Backward Reasoning (FOBAR) enhances mathematical problem-solving with dual-directional logic.

- FOBAR utilizes a blend of forward and backward reasoning, offering a comprehensive approach to tackling math problems

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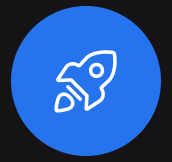
How Forward Backward Reasoning Works



Initiates with forward reasoning, generating multiple solutions

A possible solution is tested by tracing steps in reverse to confirm its viability.

FOBAR consolidates both reasoning results, applying specialized calculations to determine the most probable correct answer.

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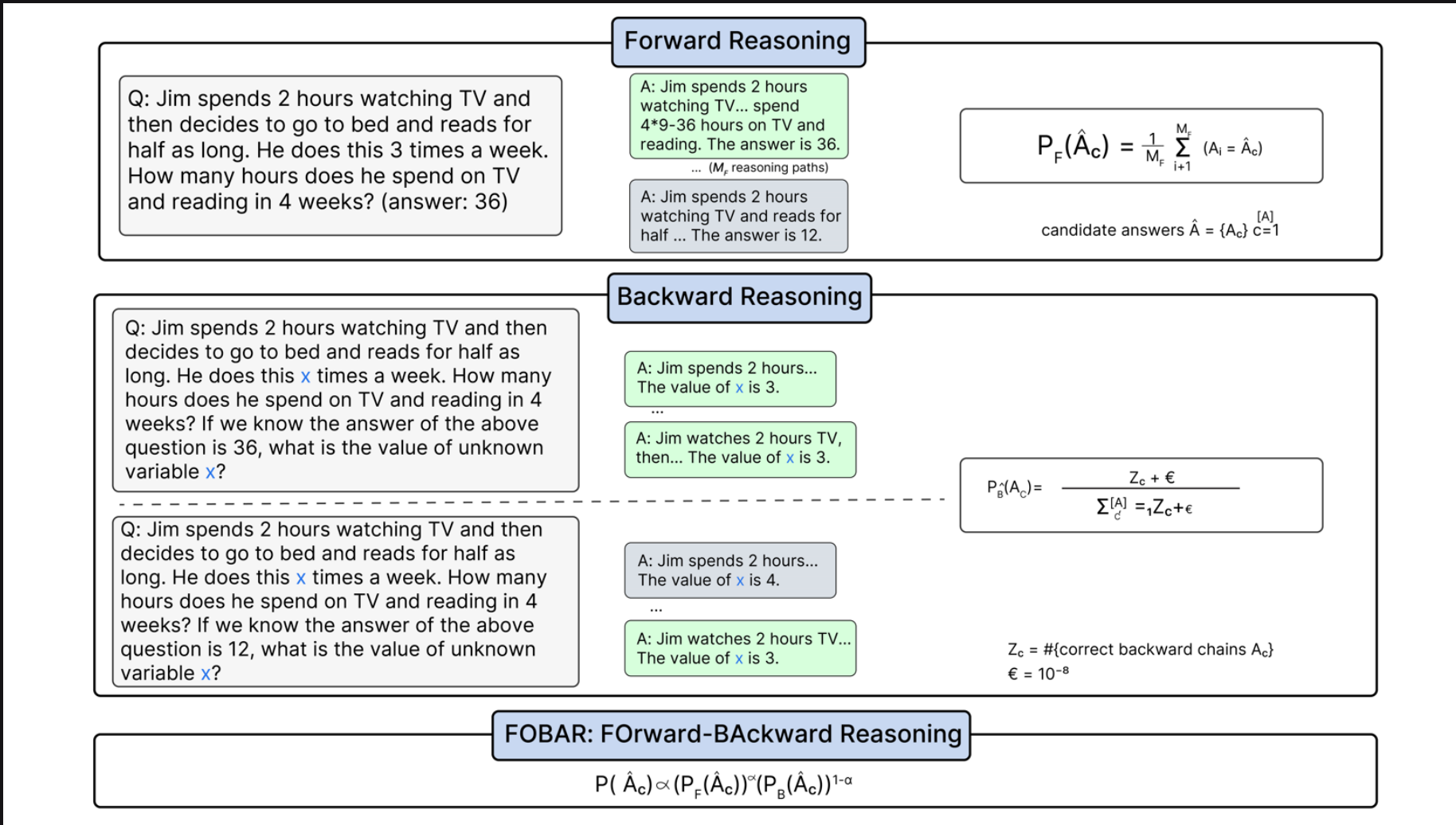
Forward Backward Reasoning: Example



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Forward Backward Reasoning: Practical Use-case

FOBAR enhances math problem-solving, offering reliable tools for validation, benefiting students and educators.

This method boosts AI accuracy in solving mathematical queries, ideal for e-learning environments.

Its effectiveness in mathematics indicates potential for broader reasoning tasks.

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Thank You

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