Step(1): Apply direct edit to the pre-trained LLM

Q: Who is the the president of USA?

Original Model

Joe Biden ❌

Knowledge Editing Method (e.g., ROME)

Q: Who is the the president of USA?

Edited Model

Donald Trump ✅
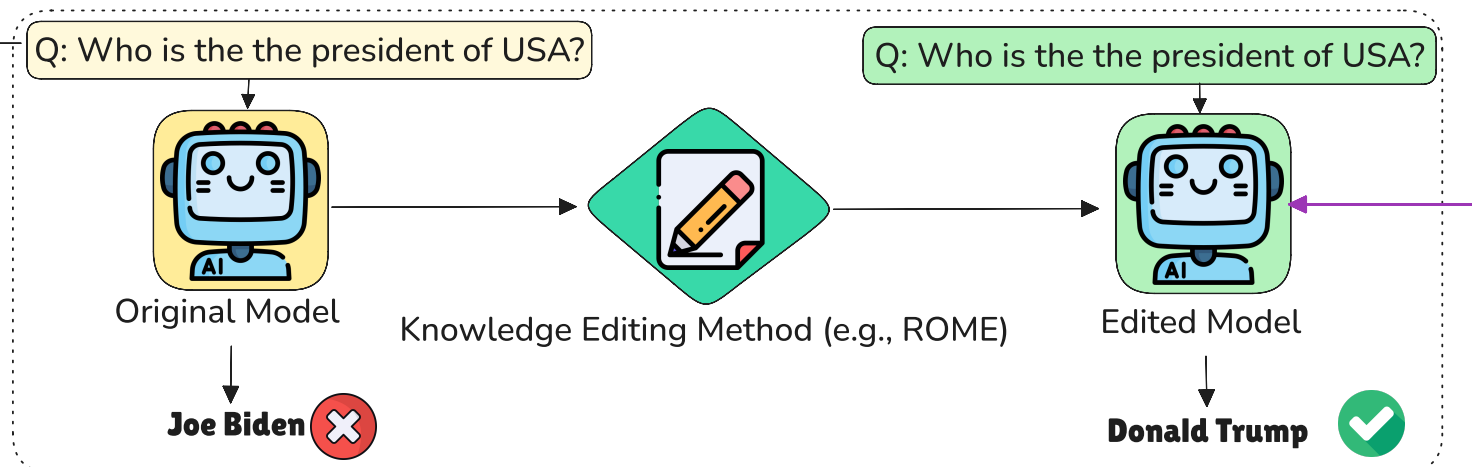
Step(2): Logical Rules Mining using AMIE3

Knowledge Graph

Step 2.1 SubgraphExtraction

Step 2.2 Logical Rule Mining
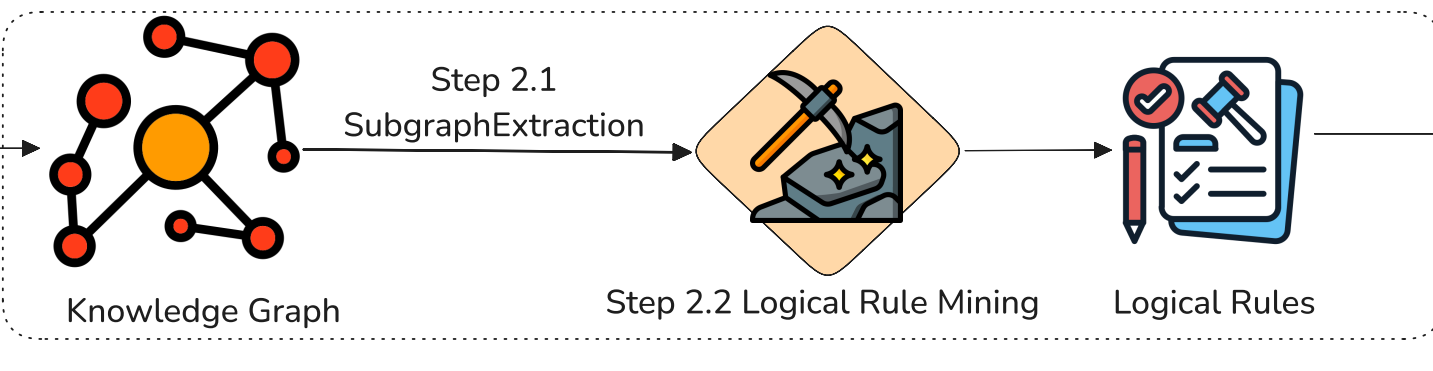
Logical Rules

Step(3): Generating QA pairs based on Logical Rules

LLM (e.g., GPT-4)
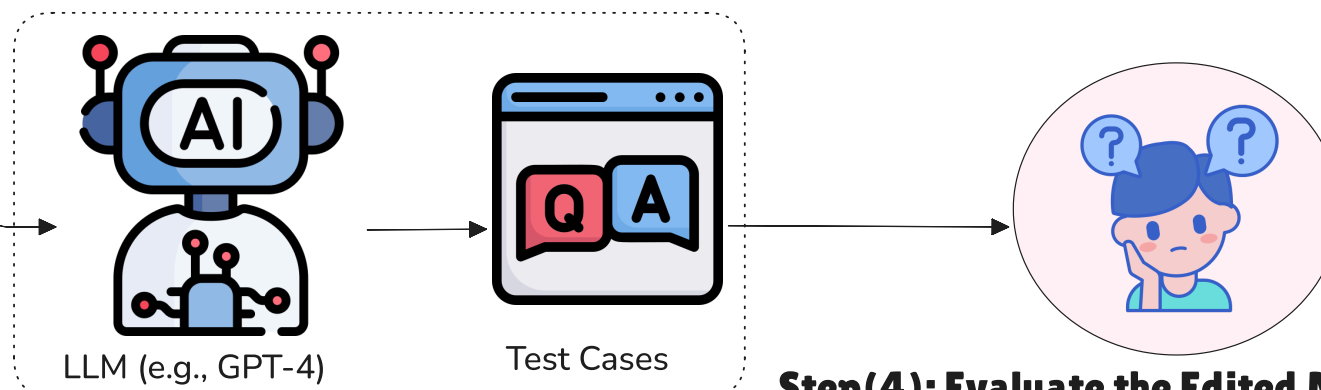
Test Cases

Step(4): Evaluate the Edited Model on the Test Cases