Synthesis of Long-Context Reasoning Chains Guided by Ground Truth Using Chain-of-Citation

Prompt for Synthesis

You are provided with documents, a complex logical reasoning question, and the correct answer.

You must refer to the documents to perform step-by-step logical reasoning and reach the correct answer.

Each reasoning step must be on a separate line, ending with a newline character.

Cite the document properly during reasoning, e.g., `[1]`, `[2]`, etc.

End your reasoning with `The answer is` followed by the correct answer.

DOCUMENTS:

- [10] Alanje: Alanje is a corregimiento in Alanje District, Chiriquí Province, Panama.......
- [14] British Empire: In 1695, the Scottish Parliament granted a charter to the Company of Scotland......
- [16] Muammar Gaddafi: In 1977, Gaddafi dissolved the Republic and created a new socialist state,
- [20] All Saints Church, Lockerbie: All Saints Church is in Ashgrove Terrace, Lockerbie,

OUESTION:

When was the country containing Alanje colonized by the country housing the All Saints Church in the town known for the bombing by Gaddafi's Libya?

ANSWER:

1698

Synthesized Reasoning Chains

Step 1: Identify the country where Alanje is located.

From Document [10], Alanje is in the Alanje District, Chiriquí Province, Panama. Thus, Alanje is located in Panama.

Step 2: Identify the country where All Saints Church is located.

From Document [20], All Saints Church is in Lockerbie, Dumfries and Galloway, Scotland. Thus, All Saints Church is in Scotland.

Step 3: Determine the historical event that connects Panama and Scotland.

From Document [14], in 1698, the Company of Scotland established a settlement on the isthmus of Panama. This settlement was part of the Darien scheme, a Scottish colonial venture.

Step 4: Confirm the timeline of the colonization.

From Document [14], the Scottish settlement on the isthmus of Panama occurred in 1698.

Step 5: Verify the connection to Gaddafi's Libya and Lockerbie.

From Document [16], Gaddafi's Libya was responsible for the Lockerbie bombing. This connects the country housing All Saints Church (Scotland) to the logical context of the question.

Step 6: Synthesize the information.

The country containing Alanje (Panama) was colonized by the country housing All Saints Church (Scotland) in 1698.

The answer is 1698.

Chosen as Positive Sample: Highest Faithfulness