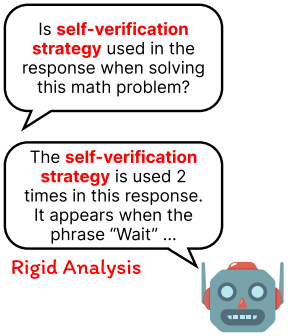
Question: The lengths of the sides of a non-degenerate triangle are x, x + 4, and 17 units.
How many integer values of x are possible?

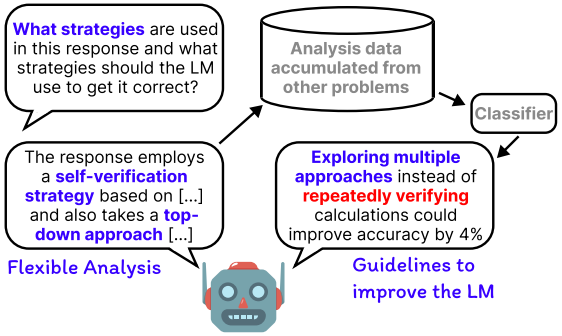
Response: Hmm, okay, let's start by recalling some basic triangle properties. ... Wait, that's always true, doesn't depend on x.

Conventional Approach for Analyzing LM Response



- ✗ Limited to predefined criteria
- ✗ Analysis doesn't provide practical guidelines for model improvement

CoT Encyclopedia (Bottom-up)



- ✓ Can automatically identify criteria tailored to the problem
- ✓ Suggests which strategy to use for the current problem based on data about which strategies succeeded or failed on other problems