

Latent Features Legend

| | | |
|--|---|--|
| 0: Projecting Downstream Consequences and Ripple Effects | 1: Generating Alternative Hypotheses or Possibilities | 2: Analogical Mapping and Solution Articulation |
| 3: Step-by-Step Explicit Calculation and Arithmetic Execution | 4: Enumeration of Relevant Possibilities (Combinatorial Quantification) | 5: Generating Mechanistic Explanations for Observed Phenomena |
| 6: Conditional Relationship Analysis and Converse/Inverse Evaluation | 7: Problem Framing and Task Articulation | 8: Hypothetical Conditional Visualization of Geometric Manipulations |
| 9: Hypothetical Scenario Construction and State Tracking | 10: Retrieval and Articulation of Background Knowledge or Prototypical Examples | 11: Generating and Proposing Solution Hypotheses |
| 12: Local Consistency Check / Self-Questioning for Error Detection | 13: Final Explicit Answer Statement | 14: Metacognitive Prompting for Deliberation or Reconsideration |
| 15: Expression of Uncertainty or Knowledge Limitation | 16: Expanding the Scope of Consideration | 17: Initial Knowledge Activation and Problem Framing |
| 18: Local Candidate Evaluation (Plausibility Judgments) | | |