

Reasoning Path Selection & Optimization

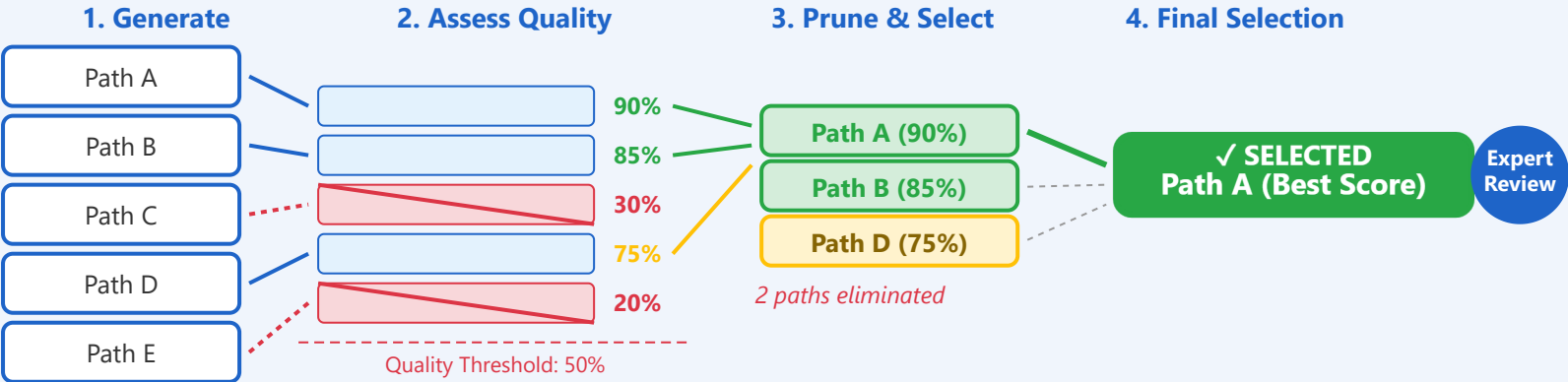
Path Quality Metrics

- Logical consistency
- Evidence alignment
- Medical accuracy
- Completeness of reasoning

Selection Strategies

- Confidence scoring
- Expert validation
- Guideline adherence
- Outcome verification

Path Selection & Pruning Process



Pruning Strategy: Eliminate paths with logical contradictions or unsupported claims early