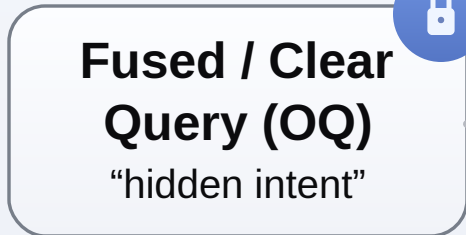


Inputs



Hidden intent boundary

Closed-book Interaction (Phase2)

OQ hidden from Rewriter

Clarifier (Model M)

Outputs
k CQs
(JSON)

$CQ_1..CQ_k$

User Answerer (UA)

“Answers each CQ or ‘unknown’”

unknown possible

(CQ, A)
pairs

Rewriter

BQ + (CQ, A)
→ RQ

Rewritten Query (RQ)

Deep Search Backend

WebDancer

multi-step web search

search visit

Candidate Answer + Evidence

Reproducible target
Static gold enables fair comparison across models and k.

Static Nugget Evaluation

Static Gold Nuggets (per OQ)
archived once

gold nuggets

Nugget Extraction
“atomic nuggets + source_ids”

restore_score_100
weighted nugget recall

UA rule

- Answer only what is asked.
- If not in OQ: unknown.

Rewrite rule

- Use only BQ + (CQ, A).
- No new entities or constraints.