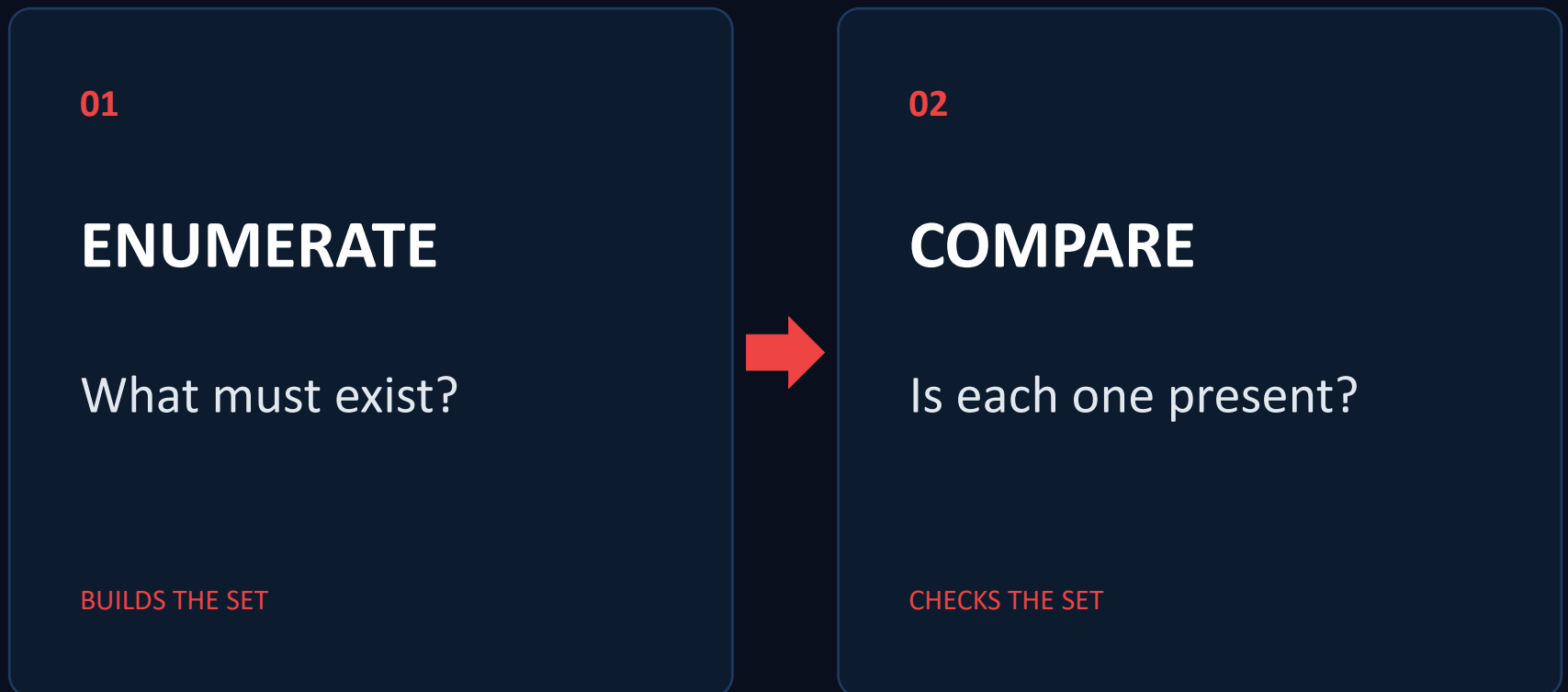


Don't Let the Model Write the Required Set

A completeness gate is only as complete as the set it checks against.



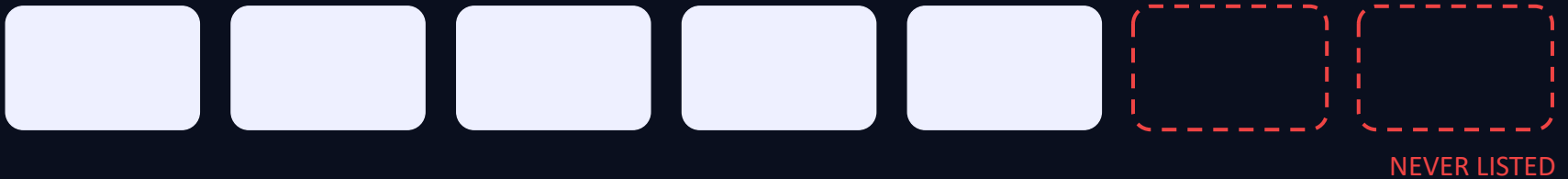
Every completeness gate does two jobs



One common design hands both jobs to the same model.

Enumeration sets the ceiling

REQUIRED SET AS ENUMERATED



GATE: PASS

A flawless comparison against a short set returns a clean result for an incomplete artifact.

Two ways enumeration fails

UNDER-REJECTION

A required element is missing from the set. The gate passes the incomplete artifact.



NEVER LISTED

OVER-REJECTION

A requirement nobody stated is added. The gate blocks valid work.



NOT IN SPEC

A missing requirement has nothing to point at

6-7x

planted over-inclusions were detected more often than
planted omissions

arXiv 2608.01000 · one-shot authoring, no reasoning

An invented requirement is written down. A missing one is an absence.

The evidence, bounded

17.3–40.0%

F1 finding removed lines in GitHub PRs, 14 models, both documents supplied

19–42%

of correct solutions admitted by model-authored test suites on executable code

≈0.99

F1 when the model restates a rule already in the prompt as a predicate

AbsenceBench (arXiv 2506.11440) · Judging Is Not Enumerating (arXiv 2608.01000)

What the evidence does not show

01 NOT CURRENT MODELS

Reasoning narrowed or closed the gap where a rule could be executed.

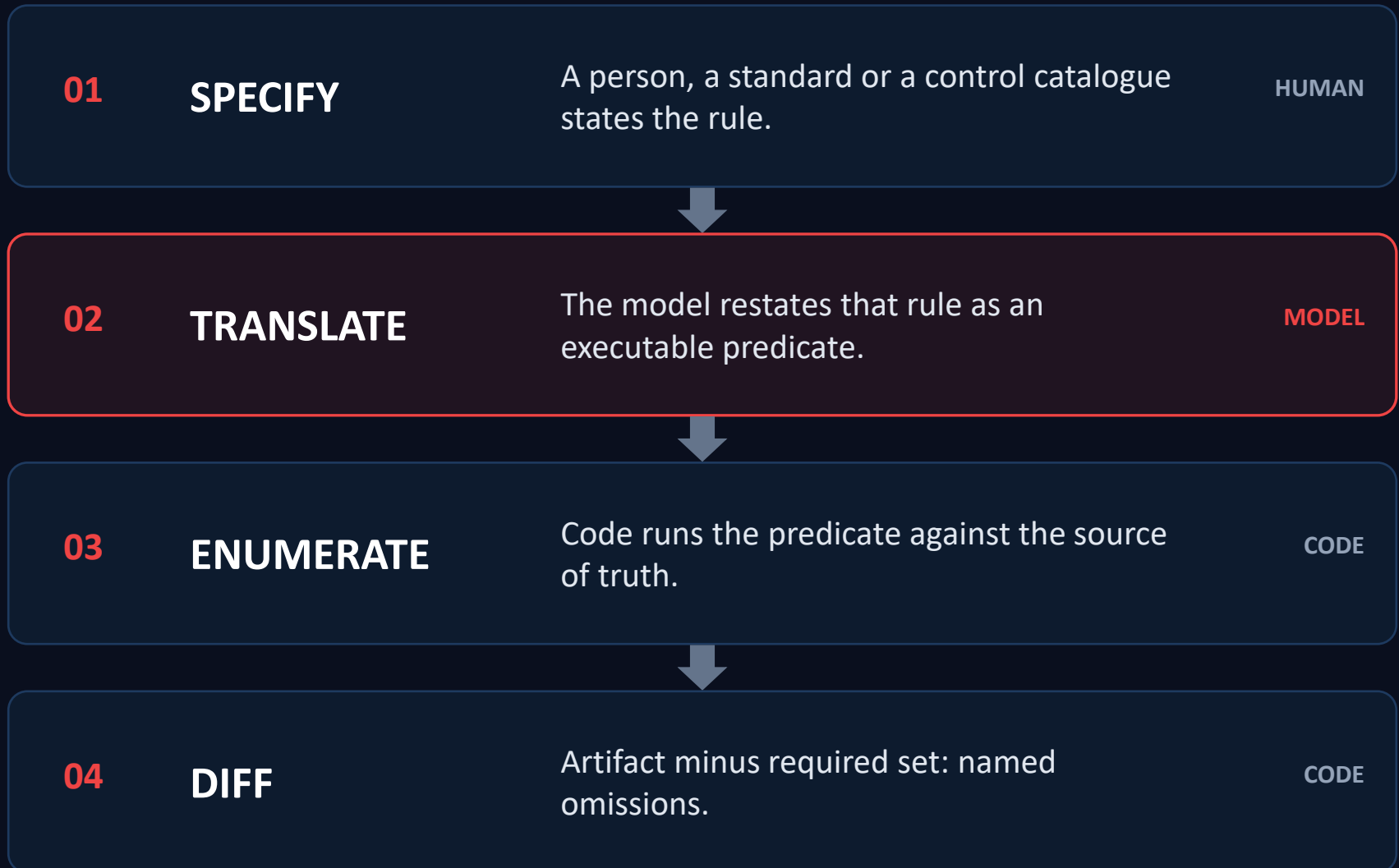
02 NOT SEMANTIC ABSENCE

AbsenceBench removes literal lines.

03 NOT AN INCIDENT

Applying this to plans and policies is an architectural extrapolation.

Restate the rule. Enumerate in code.



The model expresses the rule. It does not become the database of what must exist.

Where this stops working

SOURCE-DERIVABLE

Inventory, schema, control catalogue, plan diff.

Code enumerates. The diff is deterministic.

A COMPLETENESS CHECK

PROSE-ONLY

“The runbook should cover failure of the identity provider.”

No computable predicate. A model-mediated review. Say so in the output.

A REVIEW, NOT A PROOF

Plant an omission. If your gate can't find it, a clean result means nothing.

KNOWN-COMPLETE ARTIFACT

MUST PASS

ONE ELEMENT REMOVED

MUST BE NAMED

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