

Forensic Analysis Report

Neuro-Symbolic Crisis Generator • Comprehensive Evaluation

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Executive Summary

2

TOTAL SCENARIOS

0

HALLUCINATIONS PREVENTED

0.00

AVG LEGACY HALLUCINATIONS

0.00

AVG THESIS HALLUCINATIONS

0.0%

AVERAGE REDUCTION

A/B Testing Comparison

A/B Testing Comparison



Statistical Significance Analysis

Hypothesis Testing

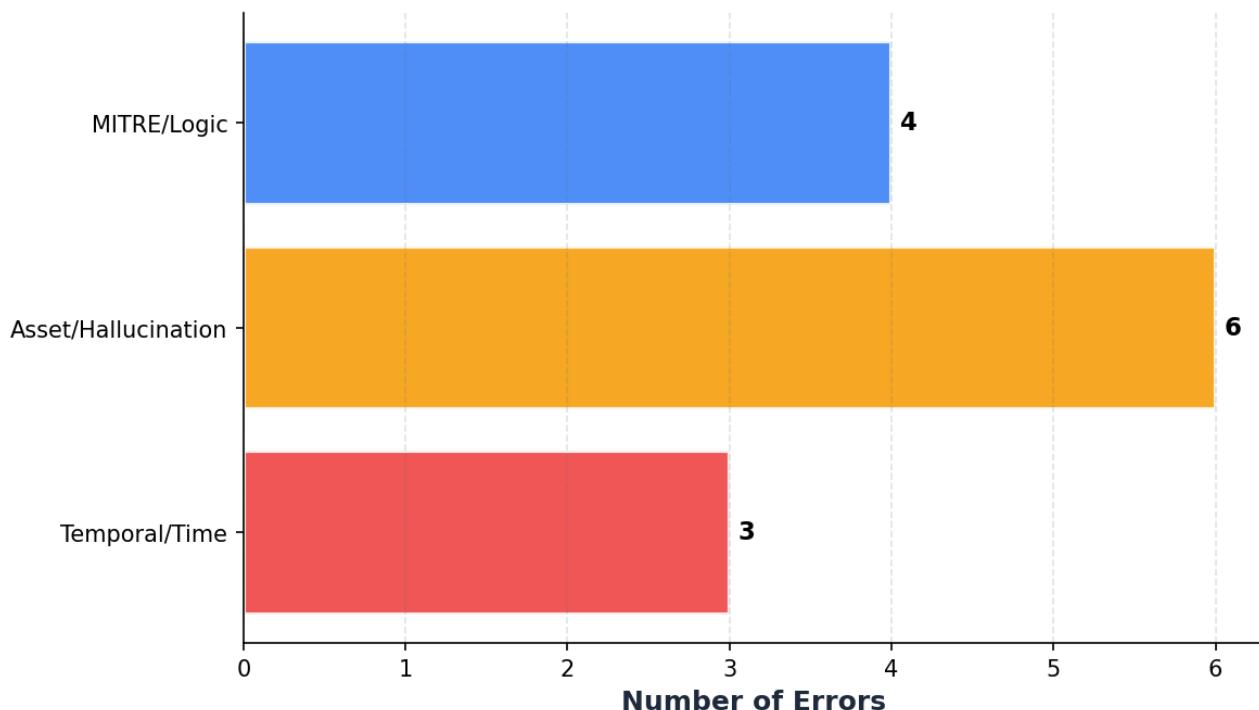
H0: $\mu_{\text{legacy}} = \mu_{\text{thesis}}$ (No difference)

H1: $\mu_{\text{legacy}} > \mu_{\text{thesis}}$ (Thesis reduces hallucinations)

Metric	Value	Interpretation
Mean Difference	0.000	Legacy - Thesis hallucinations
T-Statistic	nan	Test statistic
P-Value	NAN	Significance level
Cohen's d	0.000	Effect size: Negligible
95% CI	[0.000, 0.000]	Confidence interval
Sample Size	2	Number of scenarios

Qualitative Error Pattern Analysis

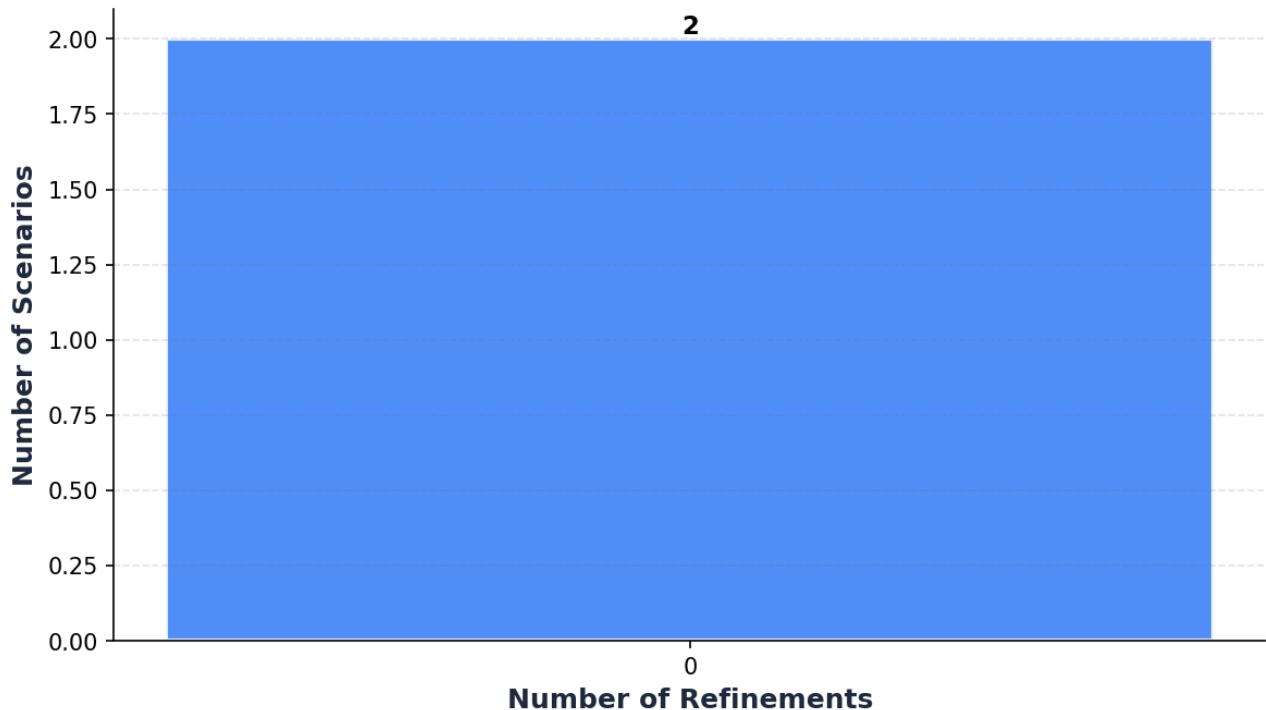
Error Type Distribution



CATEGORY	COUNT	THESIS INTERPRETATION
Asset/ Hallucination	6	LLM invents non-existent assets. System enforces reality.
MITRE/Logic	4	LLM violates cybersecurity rules. System enforces domain knowledge.
Temporal/Time	3	LLM creates temporal paradoxes. System enforces causality.

Refinement Efficiency Analysis

Refinement Distribution



0.00

AVG REFINES PER SCENARIO

0

MAX REFINES NEEDED

100.0%

FIRST ATTEMPT SUCCESS RATE

Cost-Benefit Analysis

54

Avg Legacy API Calls

54

Avg Thesis API Calls

0.0%

Overhead

0

Total Prevented

Forensic Analysis Details

45

TOTAL EVENTS

18

UNIQUE INJECTS

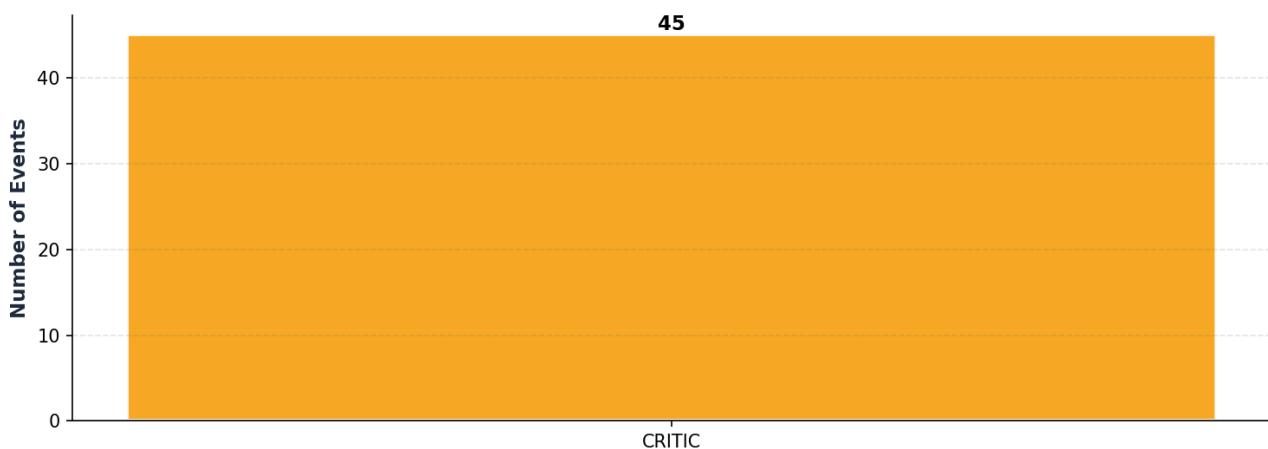
20.0%

REJECTION RATE

0.50

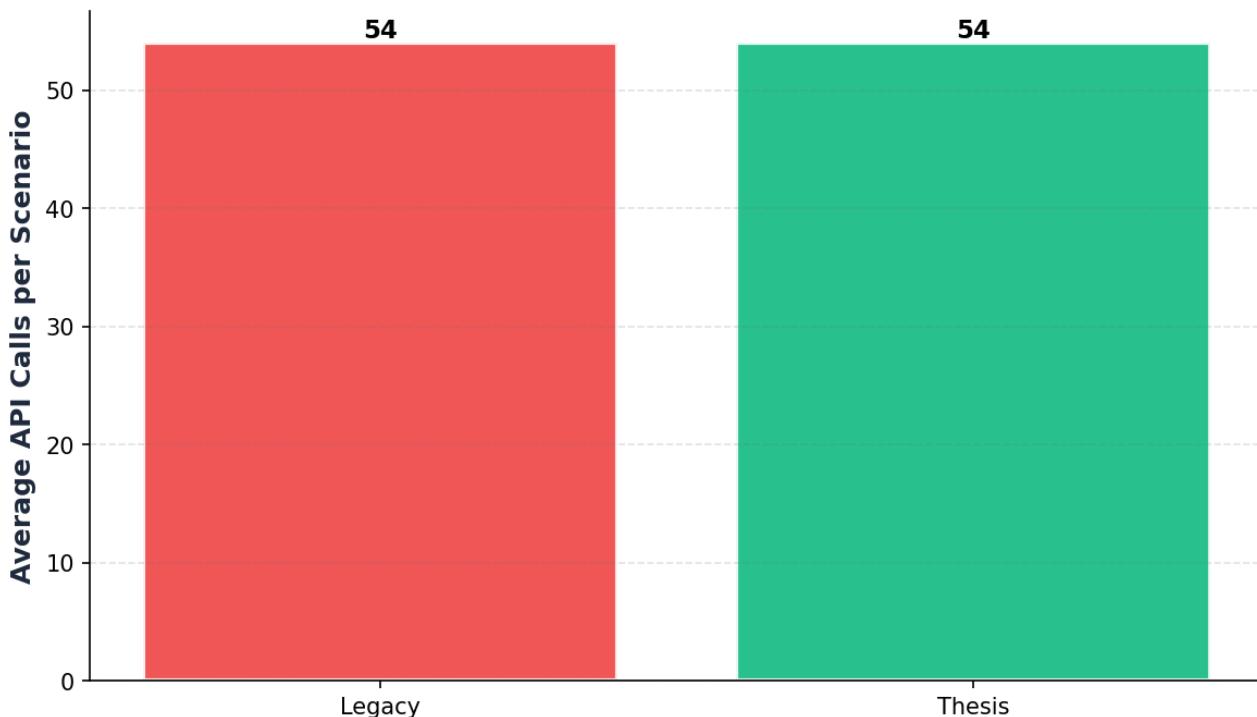
AVG REFINES PER INJECT

Event Type Distribution



API Call Efficiency

API Call Efficiency Comparison



Detailed Results by Scenario

SCENARIO ID	LEGACY HALLUCINATIONS	THESIS HALLUCINATIONS	HALLUCINATIONS PREVENTED	THESIS REFINES
SCEN-000	0	0	0	0
SCEN-001	0	0	0	0