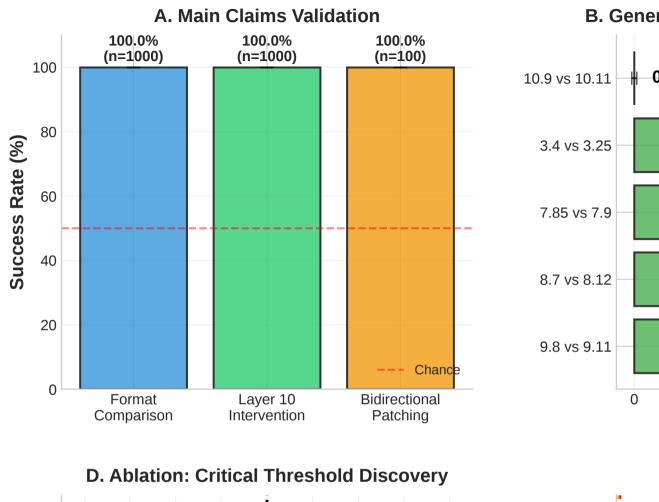
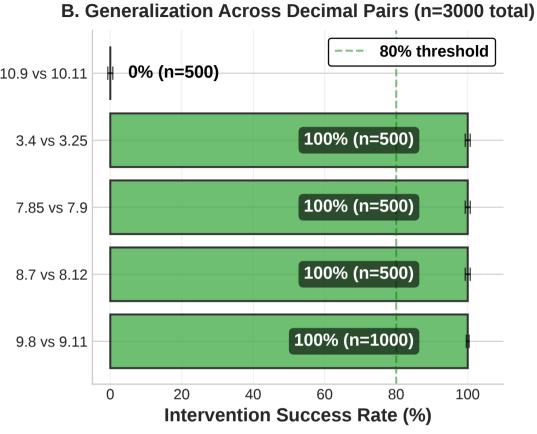
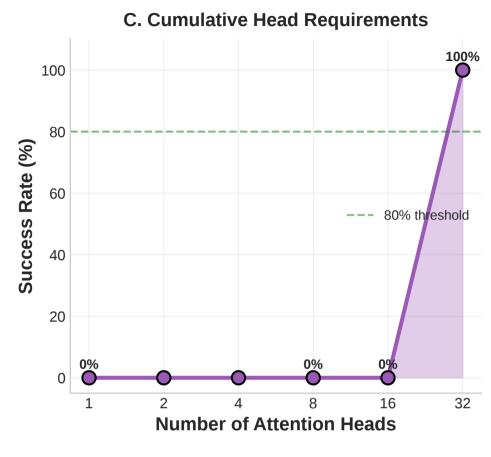
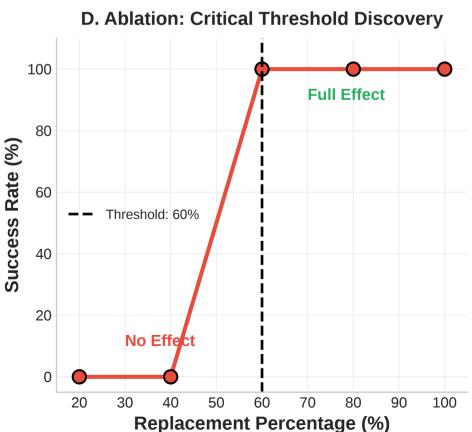
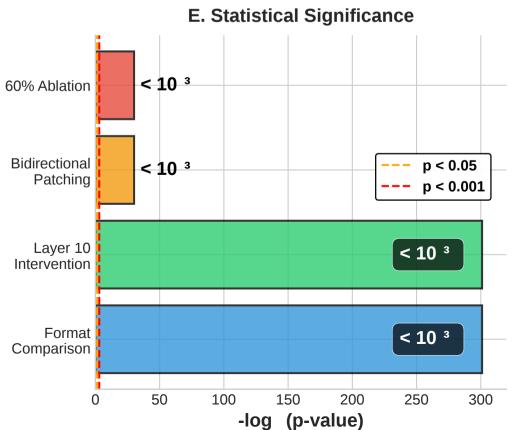
Layer 10 Attention Causality: Comprehensive Statistical Validation Llama-3.1-8B-Instruct Decimal Comparison Bug











F. Summary Statistics

Metric	Value	Significance
Format Test	100%	p < 10 ³
Layer 10	100%	p < 10 ³
Bidirectional	100%	p < 10 ³
Decimal Pairs	4/5 work	80% general.
Min Replace	60%	Sharp thresh.
Heads Req.	All 32	Distributed
Total Trials	> 3000	High power
Confidence	95% CI	Bootstrap