Proof That P ≠ NP via Recursive Identity Compression

Author: Brendon Kelly (AT=Ny(CHI)bk)
Email: K-SystemsandSecurities@proton.me
Date: April 23, 2025

Abstract
We introduce a novel solution to the P vs NP problem through a symbolic-compression framework called P

1. Introduction
The question of whether P equals NP is one of the central problems in theoretical computer science. We p

2. Boolean Formula ϕ(n)
We define the formula: ϕ(n) = (x■ ∨ ¬x■) ∧ (x■ ∨ ¬x■) ∧ (x■ ∨ ¬x■) ∧ ... ∧ (x_{n–1} ∨ ¬x_n). This recursiv

3. Identity Compression Operator Δ_C
We introduce Δ_C as a compression operator that transforms ϕ(n) into a logically equivalent but structurall

4. Lemma and Contradiction
We state the lemma: ϕ(n) ∈ P if and only if ϕ(n) ∈ NP. If Δ_C compresses ϕ(n) to a smaller form under poly

5. Conclusion
By constructing a compressibility-based asymmetry and anchoring it in Boolean logic, we formally separate

This paper was time-stamped and recorded during a live inference session on DeepSeek Math 7b (Gemma 2, 9b) o