

Hunt cycle · percolator-diff-hunt.

AUDITOR	Kirill Sakharuk · kirill@jelleo.com
CUSTOMER	percolator-diff-hunt
WINDOW	cycle 20260507-002648-5059332
CYCLE	20260507-002648-5059332
ENGINE SHA	5059332
WRAPPER SHA	04b854e571
GENERATED	2026-05-08T22:33:11+00:00

0 CRITICAL	0 HIGH	0 MEDIUM	0 LOW	0 INFO
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CONFIRMED · DISCLOSED · FIXED · VERIFIED

3 REJECTED (FALSE POSITIVE)

SIGNED · ED25519

MCowBQYDK2VwAyEAvcFSLBecPuNClei48PwjHu
eLHlBX9uYZo4wELbQ7b+k=

verify with `audit-pipeline sign verify`
`<file> <file>.sig --pubkey`
`jelleo.ed25519.pub`
public key at
<https://jelleo.com/keys/jelleo.ed25519.pub>

PLATFORM · V0.1

JELLEO · The underwriting layer for Solana
DeFi.

Methodology jelleo.com/methodology.html
Disclosure jelleo.com/security.html
Source [github.com/Copenhagen0x/audit-
pipeline-cli](https://github.com/Copenhagen0x/audit-pipeline-cli)

Apache-2.0 · contact security@jelleo.com

percolator-diff-hunt · hunt cycle

20260507-002648-5059332 · started 2026-05-07T00:26:48+00:00 · engine 5059332 · wrapper 04b854e571

01 — CYCLE SUMMARY

CRITICAL 0	HIGH 0	MEDIUM 2	CONFIRMED 0
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TOTAL VERDICTS
3

Critical 0 High 0 Medium 2 Low 1 Info 0

02 — FINDINGS

SEVERITY	HYPOTHESIS	TITLE	VERDICT	STATUS	POC
MEDIUM	D2-u512-fast-path-precondition-tight	The fast path at wide_math.rs:1323 fires when self.0[2]==0 AND self.0[3]==0 AND self >= den_512 (the less-than early-ret	UNKNOWN / UNKNOWN	REJECTED	—
MEDIUM	D8-test-visible-callers-respect-postconditions	With three new test_visible exposures (compute_kf_pnl_delta, settle_losses, try_permissionless_account_b_dispatch), veri	UNKNOWN / UNKNOWN	REJECTED	—
LOW	D3-test-visible-compute-kf-pnl-no-leak	compute_kf_pnl_delta at percolator.rs:3157 was wrapped in test_visible macro at b8829d0..5059332. Verify the function si	UNKNOWN / UNKNOWN	REJECTED	—

A — SEVERITY RUBRIC

TIER	DEFINITION
CRITICAL	Direct loss of user funds or full protocol takeover with no meaningful preconditions. Reachable from a permissionless instruction by any signer. Must be patched immediately.
HIGH	Significant loss of user funds or protocol invariant violation under realistic preconditions (specific market state, signer with limited but obtainable role). Patch should ship in next release.

TIER	DEFINITION
MEDIUM	Hardening issue, partial loss possible, or invariant violation requiring privileged signer or improbable state. Worth fixing in normal cadence.
LOW	Minor issue with no plausible path to fund loss. Code-quality or defense-in-depth concern.
INFO	Informational. No security impact. Documentation or style suggestion.

— B — METHODOLOGY

This cycle was produced by Jelleo's continuous, hypothesis-driven Solana audit loop. Every finding originates as a falsifiable invariant claim from a per-protocol hypothesis library, dispatched to multi-agent recon (Layer 1), promoted on contested verdicts via adversarial debate (Layer 1.5), and confirmed empirically via a **cargo test** proof-of-concept (Layer 2) before transitioning to **confirmed**. Confirmed findings auto-fire structural sibling derivation and cross-protocol propagation hooks, then move through a restricted lifecycle (**new** → **triaged** → **confirmed** → **disclosed** → **fixed** → **verified**). Every cycle is signed Ed25519 against the platform key — see the cover-page receipt.

Full spec: [docs/methodology/](#) (eleven sections, §01–§10) · Live reference: jelleo.com/methodology.html · Inaugural disclosure: [aeyakovenko/percolator-prog#39](#) (F7, 2026-04)