



# aaave\_borrower-1778344712470

Forked Ethereum mainnet at block **19,000,000**, 4 simulation steps (0.8 minutes of mainnet block time). Seed 0.

RECIPIENTS

**0**

TOTAL SWAPS

**0**

WETH SOLD

**0.0000**

USDC  
REALIZED

**0.00**

AVG  
EFFECTIVE  
PRICE

**0.00**

USDC/WETH

PEAK STEP

**0.0000**

WETH sold (step  
None)

WALL-CLOCK

**0.3s**

## No swaps executed

This run produced no successful swaps and recorded no failed swap attempts either. Try a larger inventory, a longer horizon, or relaxing the `min_amount_in` dust threshold.

# Methodology

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- **Execution:** All token operations execute against actual Solidity bytecode deployed at the pinned mainnet block via revm (Rust EVM). No Python re-implementation of pool math — slippage and routing match what would have happened on-chain at that block.
- **Fork pinning:** Mainnet state is fetched once at block 19,000,000. The fork captures token balances, pool reserves, oracle states, and contract code as they were at that block.
- **Agent population:** 0 heterogeneous recipients with urgency parameters sampled via seeded RNG (seed=0). Same seed + same fork block produce byte-identical results.
- **Pool:** WETH/USDC 5.00% pool (Uniswap V3, fee tier 500bps).
- **What is NOT modeled:** external arbitrageurs restoring price between recipient sells; cross-pool routing through aggregators (1inch / CoW); sandwich attacks from other MEV searchers; off-chain venues (CEX hedging); recipient behavior changing in response to observed price impact.
- **Engine validation:** Mayavi's execution kernel has been validated **bit-exact** against the on-chain Uniswap V3 Quoter at the pinned block. Every swap our engine produces matches what the official Uniswap simulation contract produces — zero delta. Reproduce locally with `mayavi validate`.

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This report is a simulation of a counterfactual scenario under the assumptions stated above. It is **not** a price prediction, a trading recommendation, or a guarantee of future performance. Actual on-chain outcomes will differ due to factors not captured by the simulation: real-time arbitrage, mempool competition, oracle updates, and reflexive participant behavior. Use this report as one input among many in your due-diligence process.

Generated by Mayavi 0.1.0. Source: [github.com/sambhal-labs/mayavi](https://github.com/sambhal-labs/mayavi) (private). Run reproduction key: `9c43ae591702@block:19000000@seed:0`.