



PLUMBLINE STAGE II:

// BACKTEST VERIFICATION - 156 TRADES ANALYSED // SCHEMA v3.0

OVERALL

PASS

- POSITIVE EXPECTANCY

PASS
- SIGN-FLIP P < 0.05

PASS
- T-TEST P < 0.05

PASS
- RUIN RISK < 5%

PASS
- WFA OOS EDGE

PASS

01 / CURTIS FAITH FORMULA

POSITIVE EXPECTANCY

EXPECTANCY / TRADE

\$13.5817

raw dollar per trade

EXPECTANCY / \$ RISKED

0.2023

Faith normalized

WIN RATE

84.0%

16.0% loss · 156 trades

WIN / LOSS RATIO

0.4317

avg \$28.99 / \$67.15

Strategy wins 84.0% of trades. Raw expectancy of \$13.5817 per trade is positive — edge confirmed.

02 / STATISTICAL SIGNIFICANCE

P-VALUE ANALYSIS

PRIMARY - SIGN-FLIP PERMUTATION

0.0000

THRESHOLD < 0.05
STATISTICALLY
SIGNIFICANT

OBSERVED NET
PROFIT

\$2,118.75

PERMUTATIONS

10,000

Sign-flip permutation test estimates how often a zero-edge sign assignment matches or exceeds observed profit.

SECONDARY - ONE-SAMPLE T-TEST

0.0000

THRESHOLD < 0.05
STATISTICALLY SIGNIFICANT

T-STATISTIC

4.121

ONE-TAILED P

0.0000

The t-test asks whether mean trade P&L is significantly greater than zero.

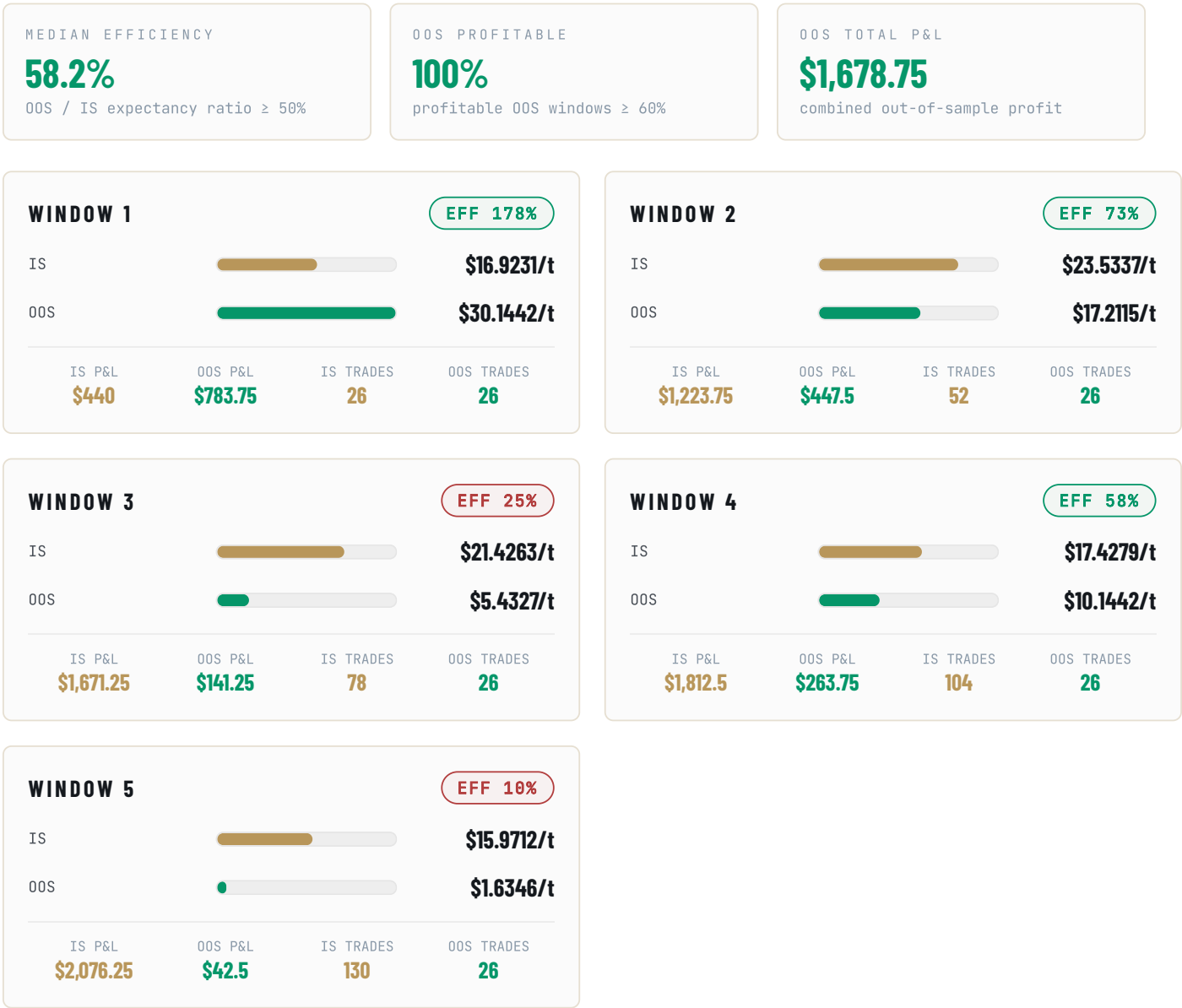
MONTE CARLO

OBSERVED NET P&L \$2,118.75	OBSERVED MAX DD \$281.25	WORST-CASE DD (95%) \$435
RUIN THRESHOLD \$2,000	PROBABILITY OF RUIN 0.00%	OBSERVED SHARPE 0.331

DRAWDOWN PROFILE Observed DD\$281.25 95th Pct DD\$435 Ruin Threshold\$2,000 Compares actual drawdown against stress drawdown and ruin limit.	NET PROFIT DISTRIBUTION Observed\$2,118.75 Order-resampling preserves trade outcomes and stresses sequence risk.
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Monte Carlo randomly reorders trades to stress-test drawdown and equity-curve sequence risk.

WALK FORWARD & OOS



Walk Forward Analysis uses anchored in-sample data and the next unseen fold as out-of-sample data. Median efficiency is 58.2%; 100% of OOS windows were profitable. Result: **PASS**.

SECTION 05 BUILDING ROBUST STRATEGIES

A practical guide to structuring strategies that survive live markets — not just backtests.

