



PLUMBLINE STAGE II:

// BACKTEST VERIFICATION - 243 TRADES ANALYSED // SCHEMA v3.0

OVERALL

FAIL

POSITIVE EXPECTANCY PASS	SIGN-FLIP P < 0.05 FAIL	T-TEST P < 0.05 FAIL	RUIN RISK < 5% FAIL	WFA OOS EDGE FAIL
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01 / CURTIS FAITH FORMULA

POSITIVE EXPECTANCY

EXPECTANCY / TRADE \$12.8066 raw dollar per trade	EXPECTANCY / \$ RISKED 0.0904 Faith normalized	WIN RATE 49.8% 50.2% loss · 243 trades	WIN / LOSS RATIO 1.1898 avg \$168.54 / \$141.65
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Strategy wins **49.8%** of trades. Raw expectancy of **\$12.8066** per trade is **positive** — edge confirmed.

02 / STATISTICAL SIGNIFICANCE

P-VALUE ANALYSIS

PRIMARY - SIGN-FLIP PERMUTATION

0.1849 THRESHOLD < 0.05
NOT SIGNIFICANT

OBSERVED NET PROFIT \$3,112	PERMUTATIONS 10,000
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Sign-flip permutation test estimates how often a zero-edge sign assignment matches or exceeds observed profit.

SECONDARY - ONE-SAMPLE T-TEST

0.1861 THRESHOLD < 0.05
NOT SIGNIFICANT

T-STATISTIC 0.8941	ONE-TAILED P 0.1861
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The t-test asks whether mean trade P&L is significantly greater than zero.

MONTE CARLO

OBSERVED NET P&L	OBSERVED MAX DD	WORST-CASE DD (95%)
\$3,112	\$2,370.5	\$5,170.55
RUIN THRESHOLD	PROBABILITY OF RUIN	OBSERVED SHARPE
\$2,000	76.32%	0.0575

DRAWDOWN PROFILE Observed DD \$2,370.5 95th Pct DD \$5,170.55 Ruin Threshold \$2,000 Compares actual drawdown against stress drawdown and ruin limit.	NET PROFIT DISTRIBUTION Observed \$3,112 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

MEDIAN EFFICIENCY

0.0%

OOS / IS expectancy ratio ≥ 50%

OOS PROFITABLE

60%

profitable OOS windows ≥ 60%

OOS TOTAL P&L

\$2,236.5

combined out-of-sample profit

WINDOW 1

EFF 159%

IS\$12.2625/t

OOS\$19.45/t

IS P&L\$490.5

OOS P&L\$778

IS TRADES40

OOS TRADES40

WINDOW 2

EFF -165%

IS\$15.8562/t

OOS\$-26.1125/t

IS P&L\$1,268.5

OOS P&L\$-1,044.5

IS TRADES80

OOS TRADES40

WINDOW 3

EFF -200%

IS\$1.8667/t

OOS\$-9.8125/t

IS P&L\$224

OOS P&L\$-392.5

IS TRADES120

OOS TRADES40

WINDOW 4

EFF 0%

IS\$-1.0531/t

OOS\$19.1375/t

IS P&L\$-168.5

OOS P&L\$765.5

IS TRADES160

OOS TRADES40

WINDOW 5

EFF 300%

IS\$2.985/t

OOS\$53.25/t

IS P&L\$597

OOS P&L\$2,130

IS TRADES200

OOS TRADES40

Walk Forward Analysis uses anchored in-sample data and the next unseen fold as out-of-sample data. Median efficiency is 0.0%; 60% of OOS windows were profitable. Result: **FAIL**.

SECTION 05 BUILDING ROBUST STRATEGIES

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

