

PHASE 3.100 MILESTONE - SELECTIVE TRAILING PROTECTION

Evidence chain: hard exit -> trailing protection -> paired decomposition -> observable severity -> predeclared selective gate -> released-session proof

3.94 Hard Exit	3.96 Trailing £160 / 25%	3.98 Severity Separation	3.99 Selective £140 Gate	3.100 Released Sessions
Protects profit strongly, but £200 falls to ~3.2-3.3%.	Middle ground: £200 14.48% / 13.90% while reducing exposure and drawdown.	At trigger bankroll >=£140: ~44% later £200 vs ~33-35% collapse.	£200 restored to 16.50% / 15.66% without returning fully to reference exposure.	Gate releases only 2.22% / 2.00% of all sessions.

THE RELEASED POPULATION - WHAT THE £140 GATE ACTUALLY BOUGHT

Measure	PRIMARY	HOLDOUT
Released sessions	111 (2.22% of all)	100 (2.00% of all)
Reached £200	90.99%	88.00%
Finished higher than unconditional trailing	95.50%	93.00%
Finished lower	0.90%	2.00%
Finished £0	0.00%	0.00%
Average unconditional retained bankroll	£155.81	£154.36
Average selective final bankroll	£206.76	£207.31
Average gain from release	+£50.95	+£52.95
Extra wager reintroduced	£79.87	£80.00
Extra maximum drawdown	+£1.35	+£1.20

Interpretation The £140 gate did not make every session better. It selectively released a very small subgroup whose continuation was overwhelmingly productive in both deterministic cohorts. This prospectively validates the trigger-severity architecture, not an 'optimal' threshold.	Research boundary Population return remains negative. No guaranteed profitability. No card counting, remaining-shoe composition, future-card knowledge, dealer hole-card information, or shuffle tracking is used. £140 is a predeclared validated gate, not a proven optimum.	Milestone Phases 3.94-3.100 now contain observational mapping, prospective causal tests, Primary/Holdout replication and paired deterministic decomposition. This is a natural closure point for the selective trailing-protection branch before robustness/generalisation work.
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