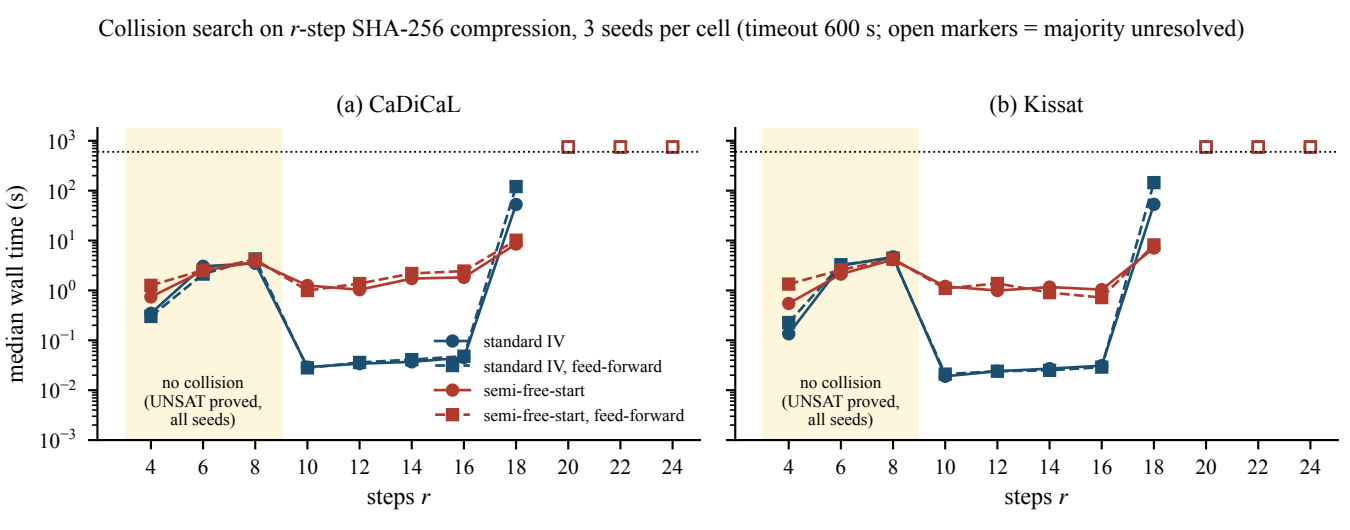

Collision search on r-step SHA-256 compression, 3 seeds per cell (timeout 600 s; open markers = majority unresolved)
(a) CaDiCaL
(b) Kissat
median wall time (s)
steps r
no collision
(UNSAT proved,
all seeds)
standard IV
standard IV, feed-forward
semi-free-start
semi-free-start, feed-forward