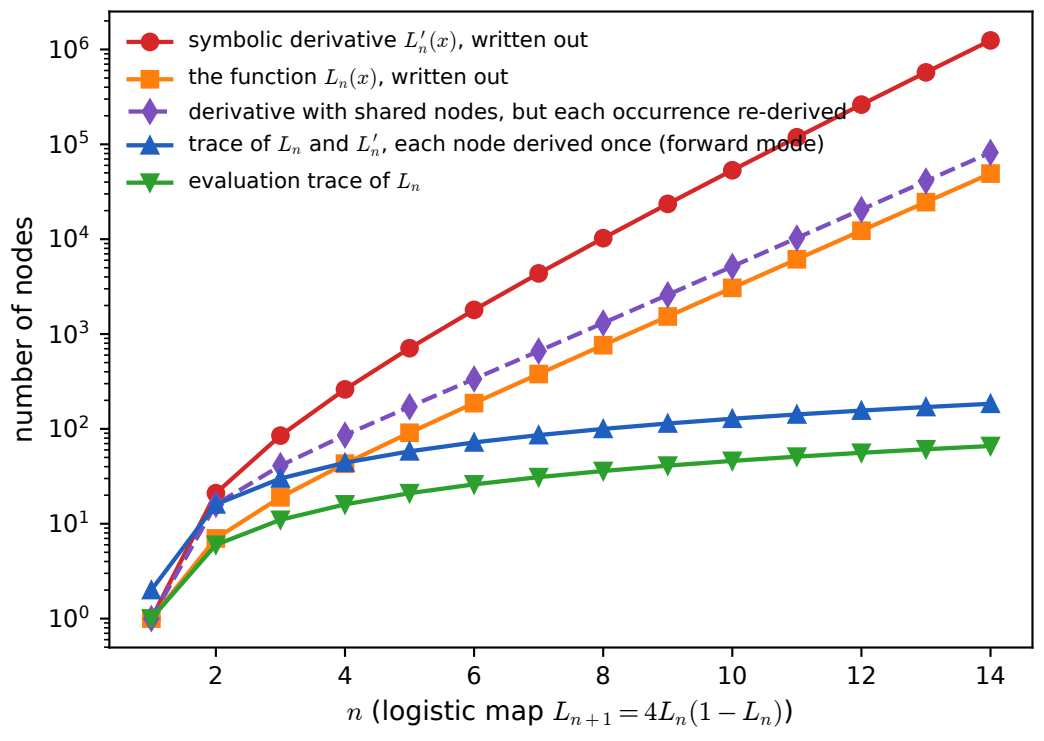

symbolic derivative $L_n'(x)$, written out
the function $L_n(x)$, written out
derivative with shared nodes, but each occurrence re-derived
trace of $L_n$ and $L_n'$, each node derived once (forward mode)
evaluation trace of $L_n$
number of nodes
$10^0$
$10^1$
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$
2
4
6
8
10
12
14
$n$ (logistic map $L_{n+1} = 4L_n(1 - L_n)$)