

Result	Cache-oblivious?	Persistence	Update	Range query (size $Z$ )
B-tree	No	None	$O(\log_B N)$	$O(\log_B N + Z/B)$
CoW B-tree	No	Full	$O(\log_B N_v)$	$O(\log_B N_v + Z/B)$
MVBT	No	Partial	$O(\log_B N_v)$	$O(\log_B N_v + Z/B)$
Lanka et al.	No	Full	$O(\log_B N_v)$	$O((\log_B N_v)(1 + Z/B))$
Brodal et al.	No	Full	$O^*(\log_B N_v + \log_2 B)$	$O(\log_B N_v + Z/B)$
COLA	Yes	None	$O^*((\log N)/B)$	$O(\log N + Z/B)$
This paper	Yes	Partial	$O^*((\log N_v)/B)$	$O^*(\log N + \log^2 N_v + Z/B)$