HARVARD
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Monkey: Optimal Navigable Key-Value Store

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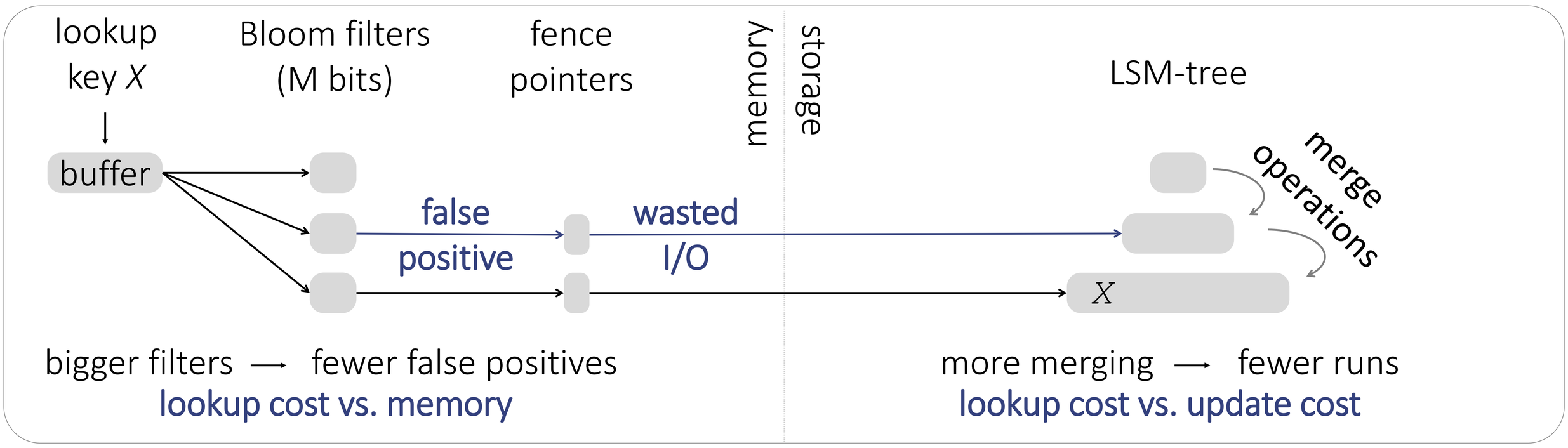
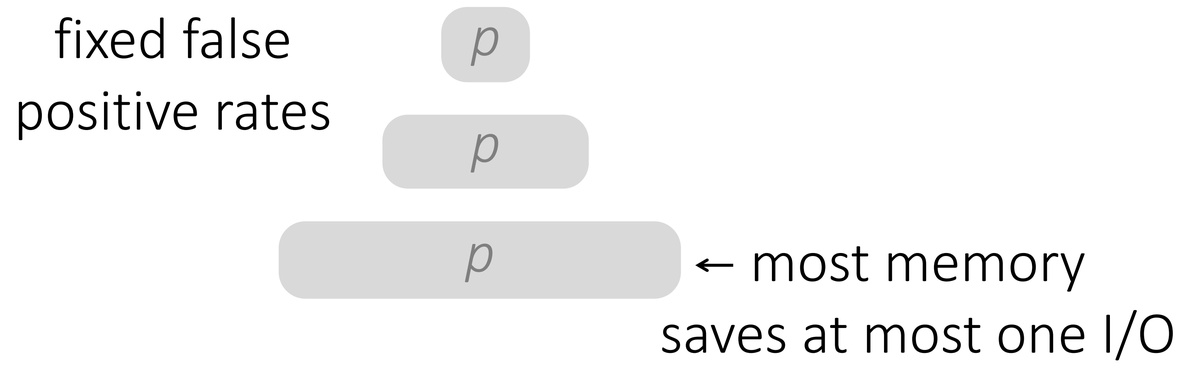
key-value store trade-offs

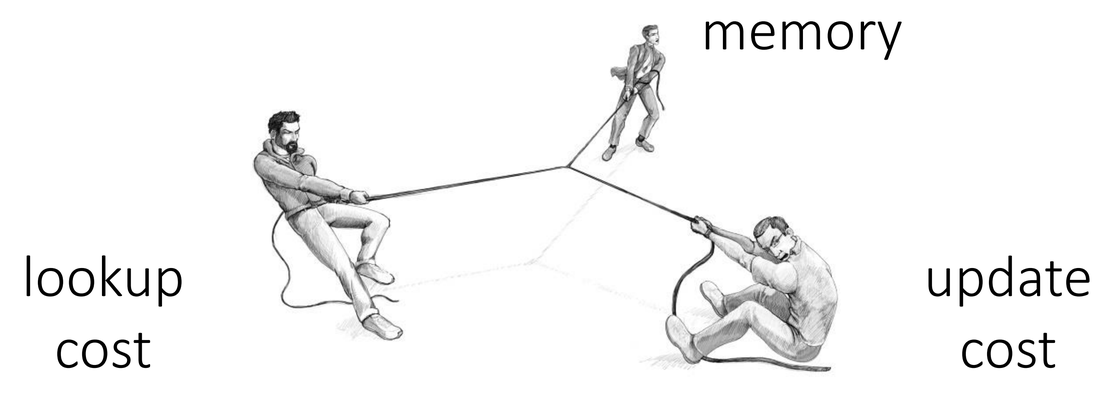


problems

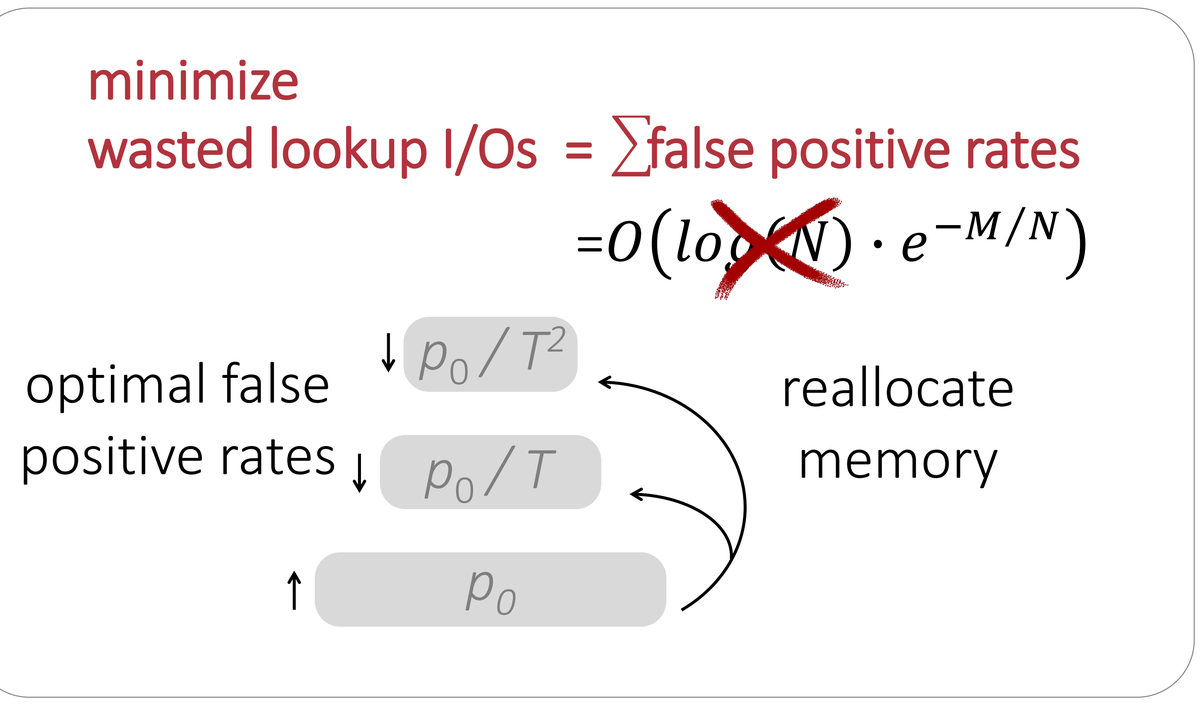
suboptimal Bloom filters allocation

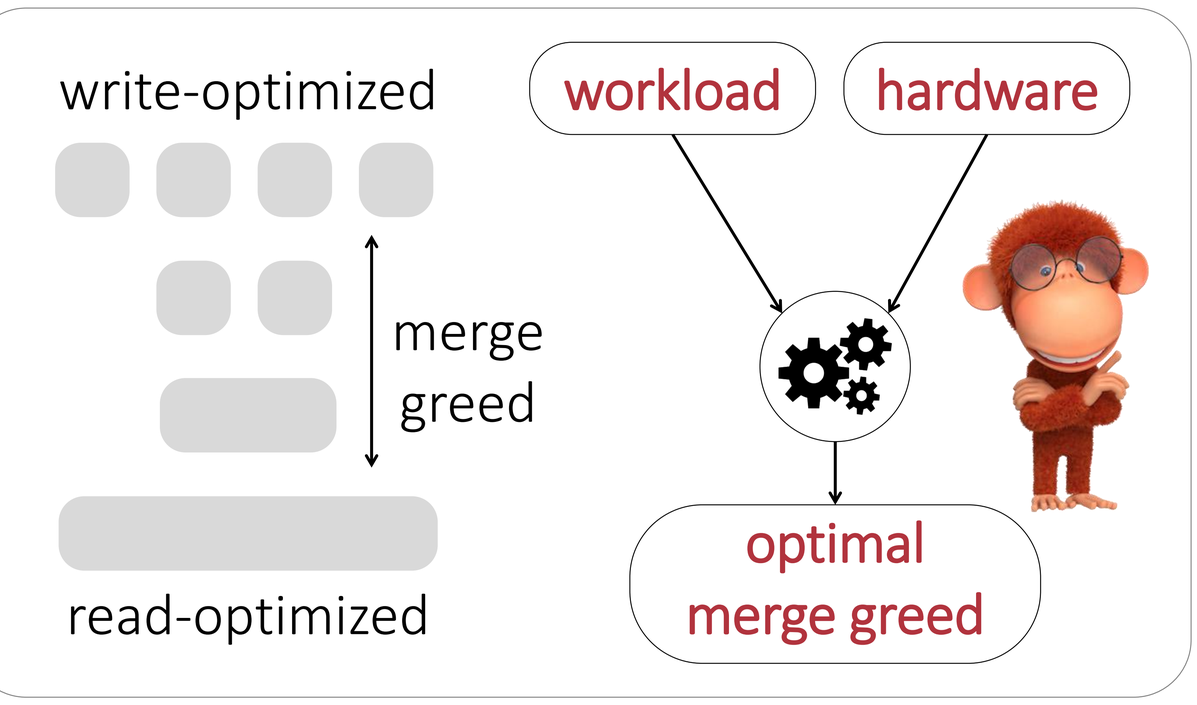


ad-hoc suboptimal trade-offs

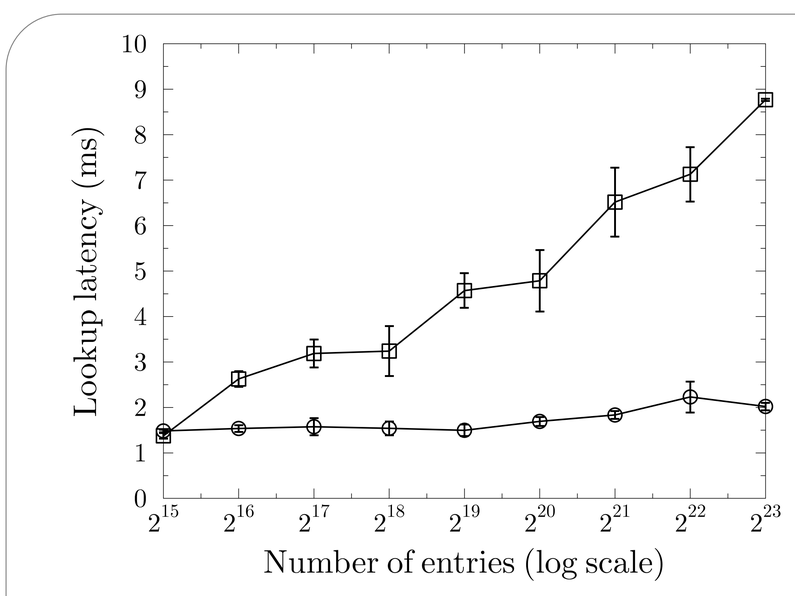


Monkey

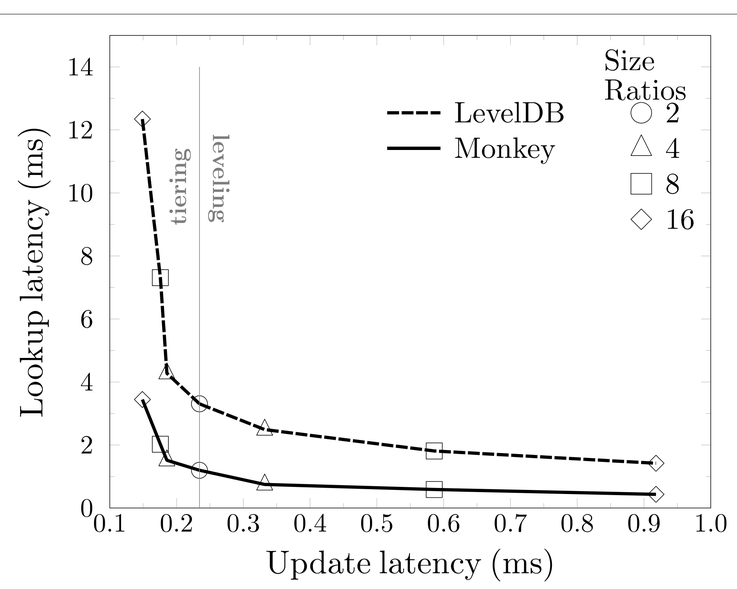




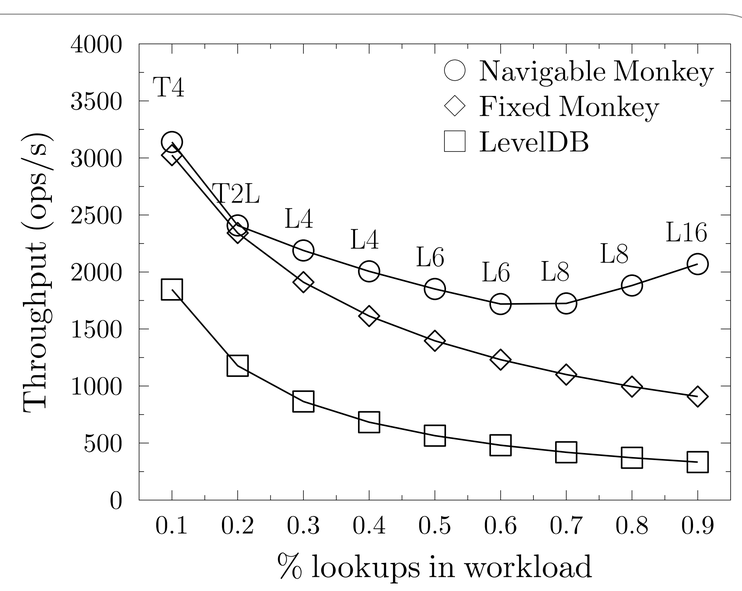
performance



asymptotically more scalable



dominates existing designs



workload adaptive

more

0 < memory < ∞ ? buffer filters

range lookups

workload skew

caching

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