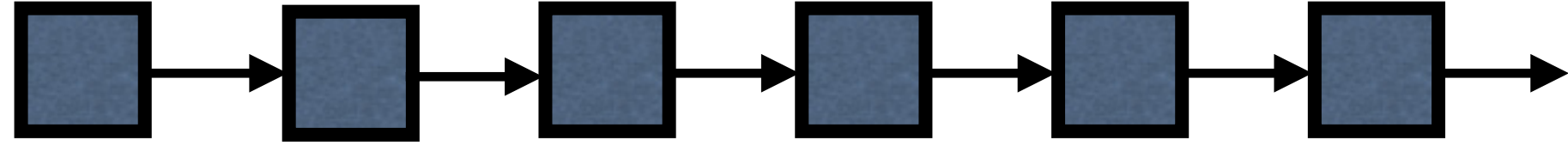
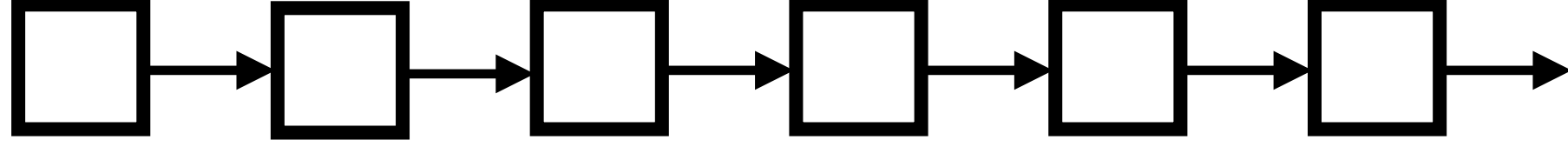


object LRU chain



free chunk chain

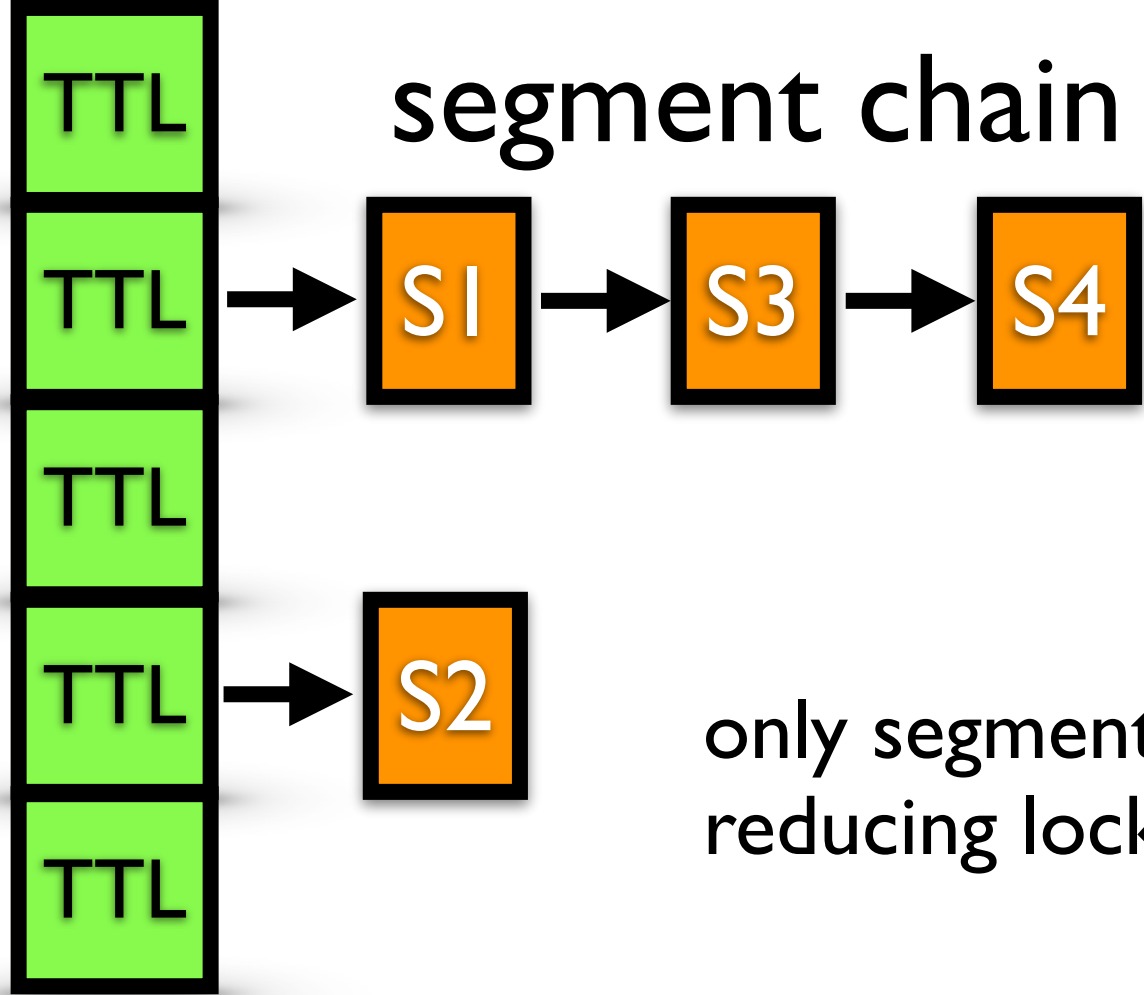


every get/insert/eviction/deletion/
expiration operation needs locking

Memcached



expiration and eviction happen on the segment level



segment chain

only segment chain changes need locking:
reducing locking frequency by 10,000s times

Segcache