

hashtable_t

set_t

key

item

next

word

counters_t

key (docID)

count

next

key

item

next

word

key (docID)

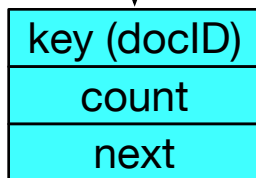
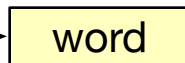
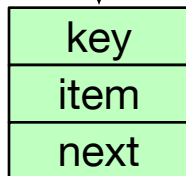
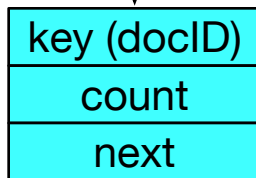
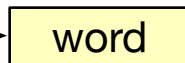
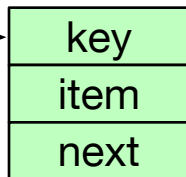
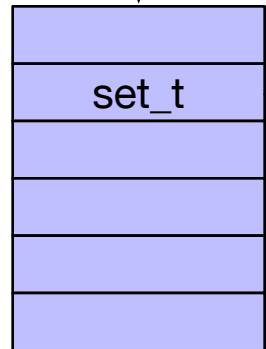
count

next

∅

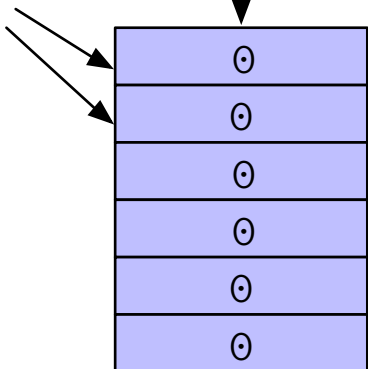
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Our index maps from words to $(docID, count)$ pairs, representing the number of occurrences of that word in that document. We use a *hashtable* wherein each item is a *counters_t* where we use the docID as a key.

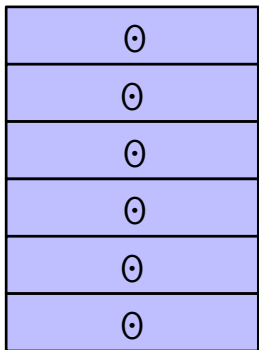


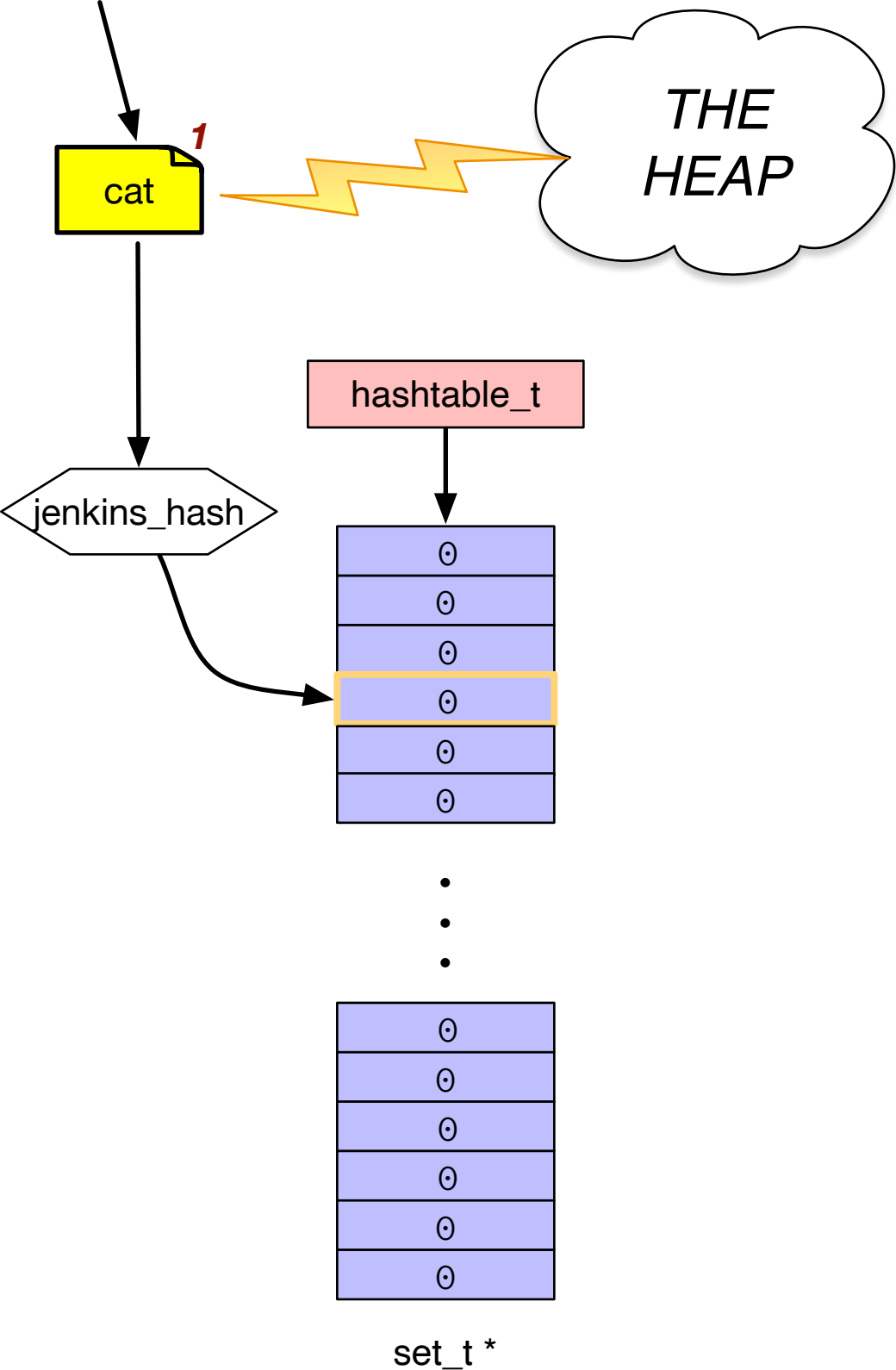
hashtable_t

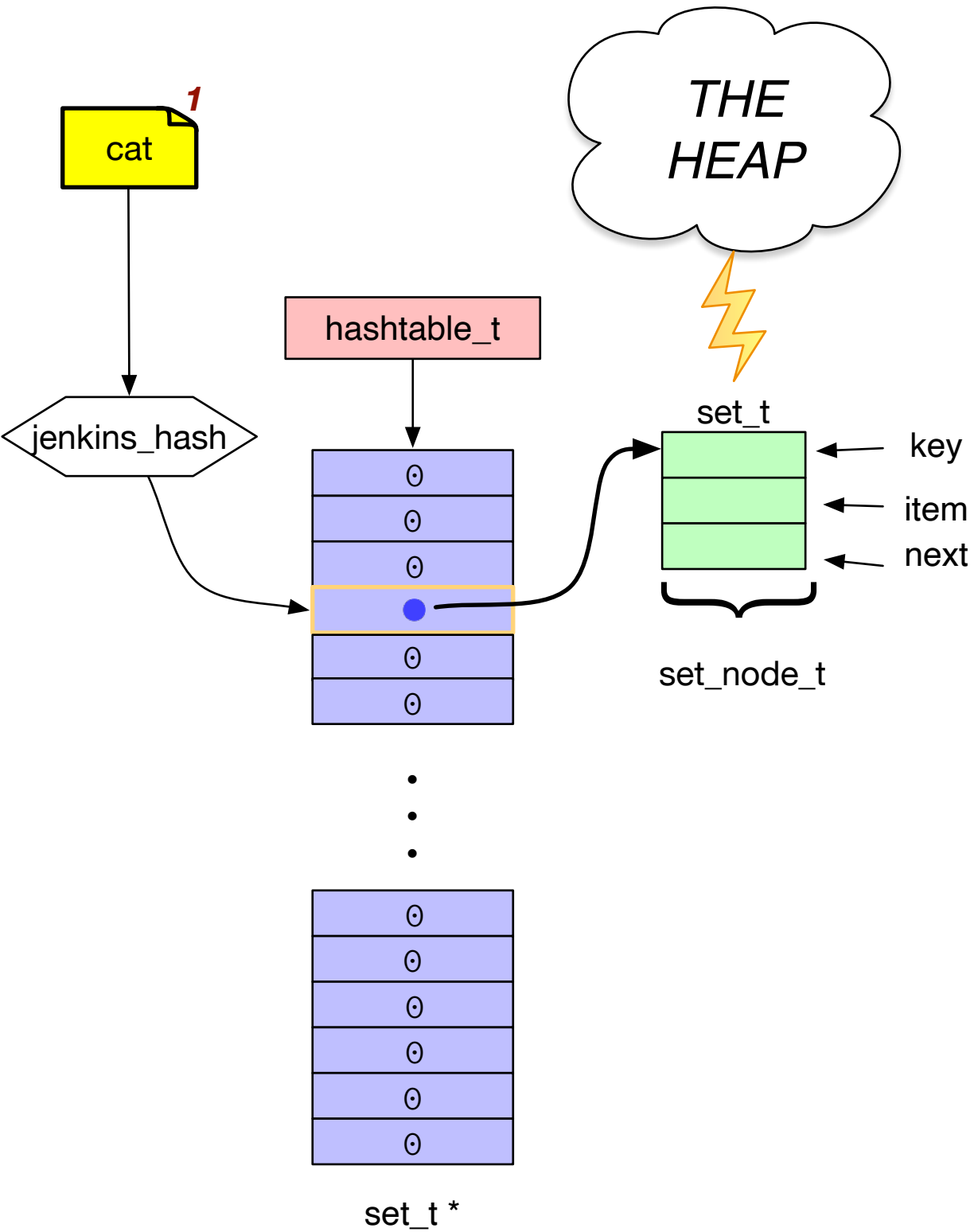
set_t *



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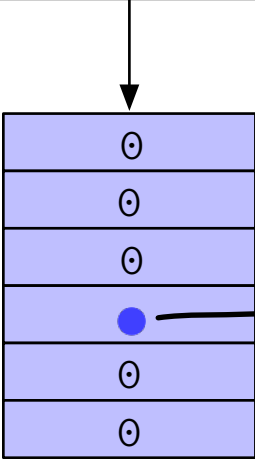




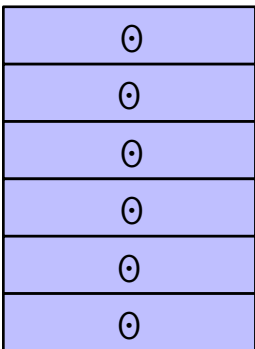




hashtable_t

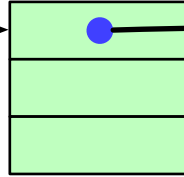


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set_t *

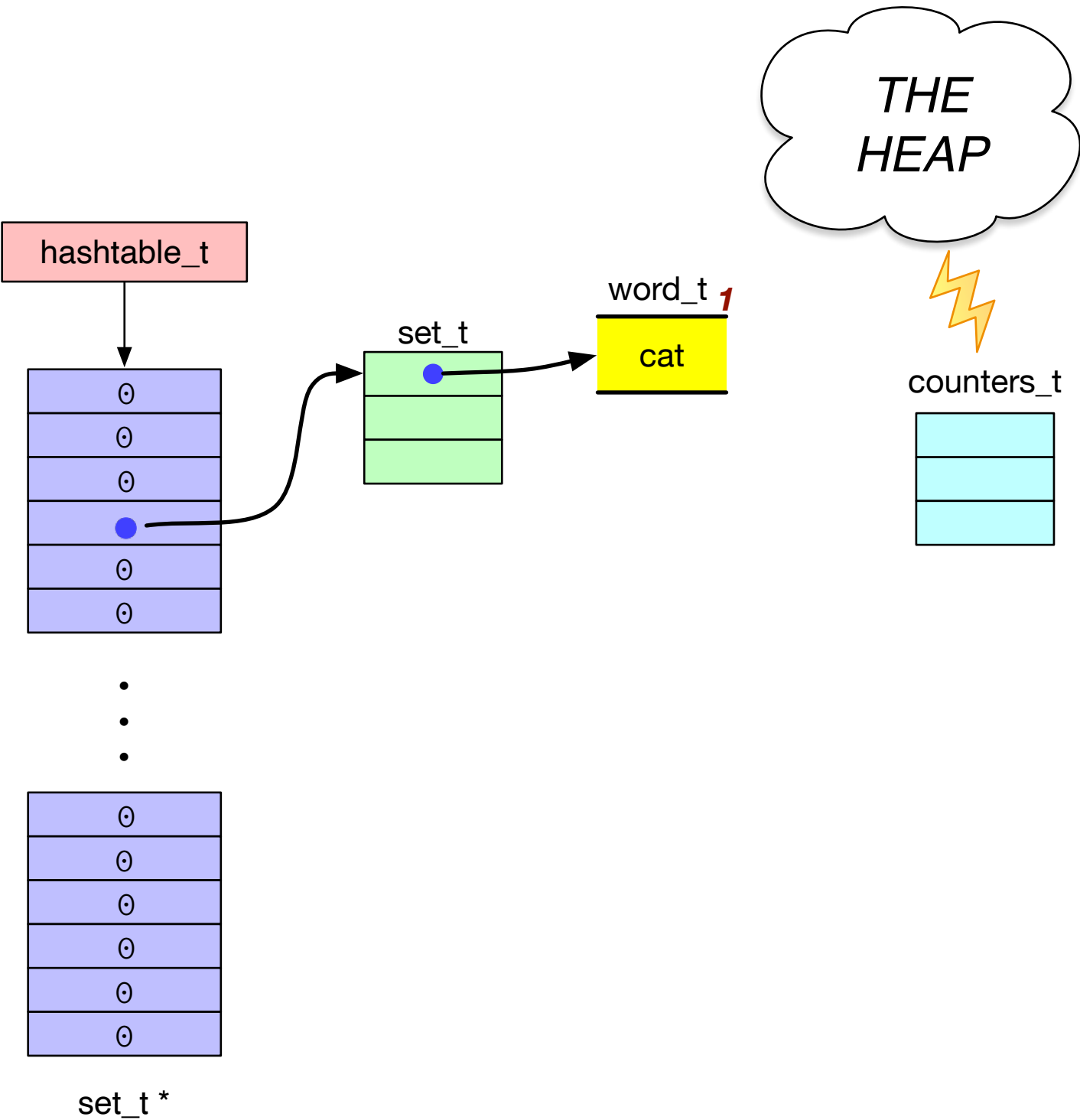
set_t



word_t ¹

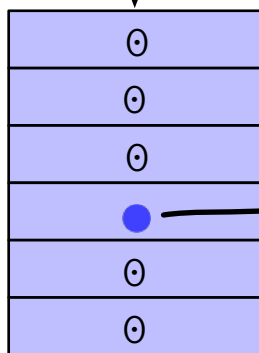
cat



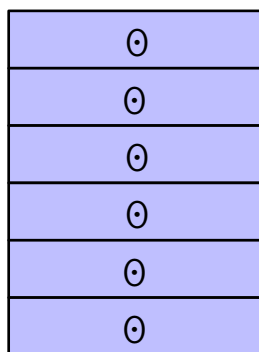




hashtable_t

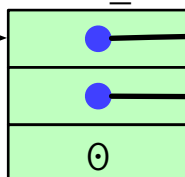


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set_t *

set_t



word_t



counters_t

