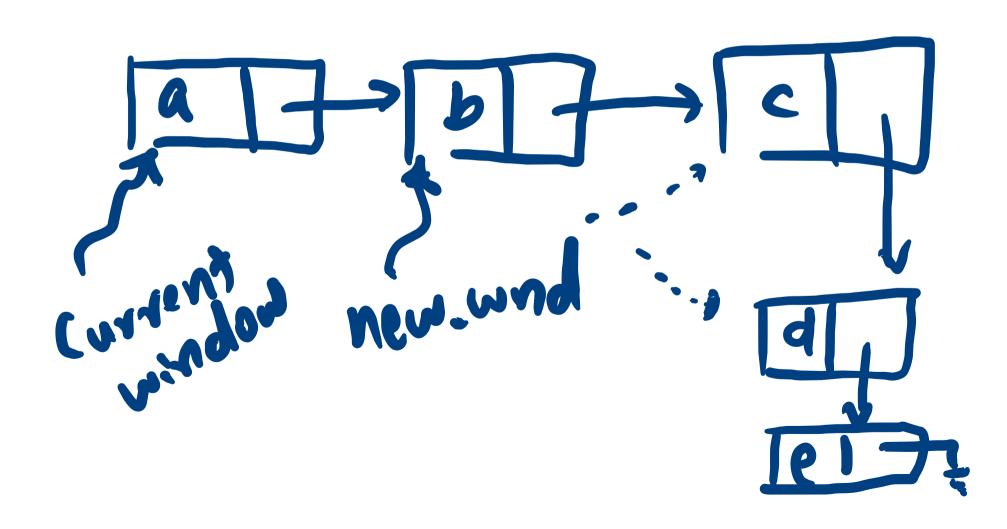
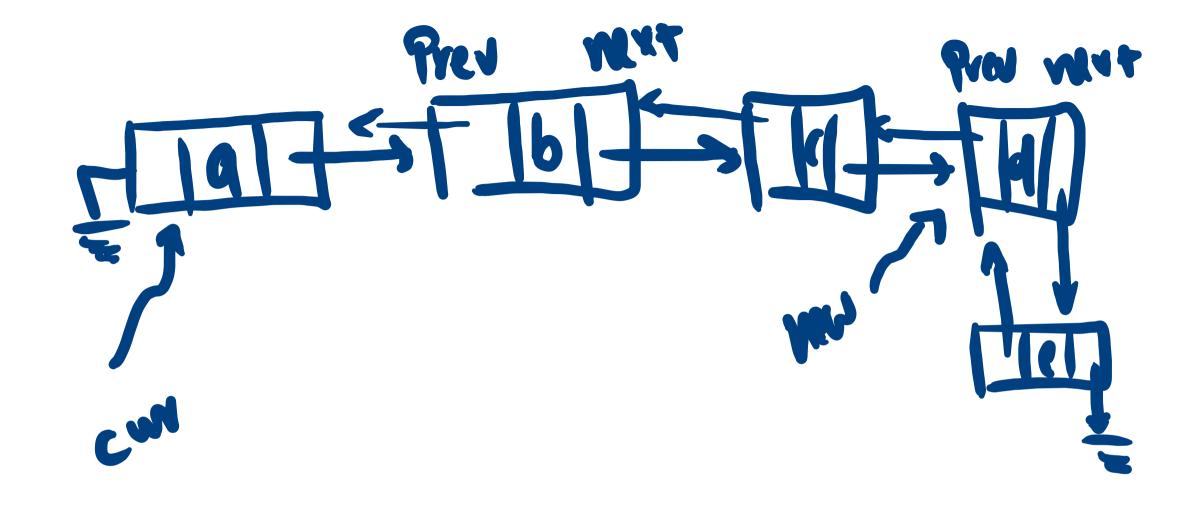
An application of linked lists.

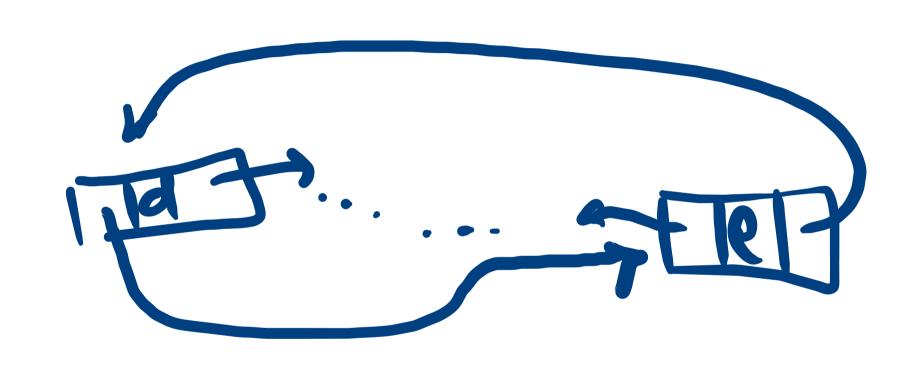


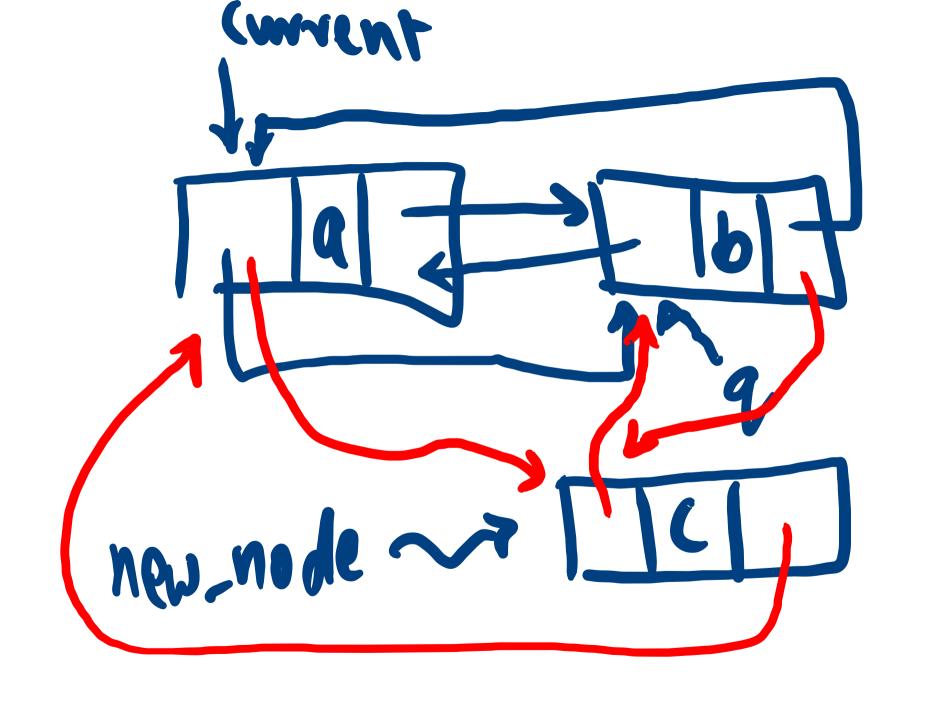
fach tab moves New-word to Next. On rebase: · Unlink Mew.wood Insert it at the head of the 123 Problem. How to unlink 7.



After unlinking d 于一旦一大区

The actual ols is Circular!





What about the empty list?. List with 1 elt?.

List with 1 eft Current-mext== com

Avoiding Special Code for Amply 11515

· Sentinel Mode technique. 6 use a node with an involved data value as o node that win always be Present in the list.

Analysis of rehash() Time (omplexity Say we Start with a table of 11 510ts. First 21 insertions => vlunit 22nd insertion => vlunit Next prime 23 23 insertions
all insertions until 45th ~ 1 unit
or time 46th => ~46 units Myt Trime. 47 next 47 insertions ~ 1 unit next ~ 94 units

next prime - 97 mt 100 insertions ~1 unit at time nort ~ 194 units of time key Points . The ith rebash takes about 2x time as the (i-11)st The # insertions b/w ith and (i+1) st yehosh is 2x the # insertions b(w (i-1)st 2 ith vehost) Average of Am Prefix of this infinite list

1, 2, 1, 1, 4, 1, 1, 1, 1, 8, 1, 1, 1, 1, 1, 1,

1,1,16, ...