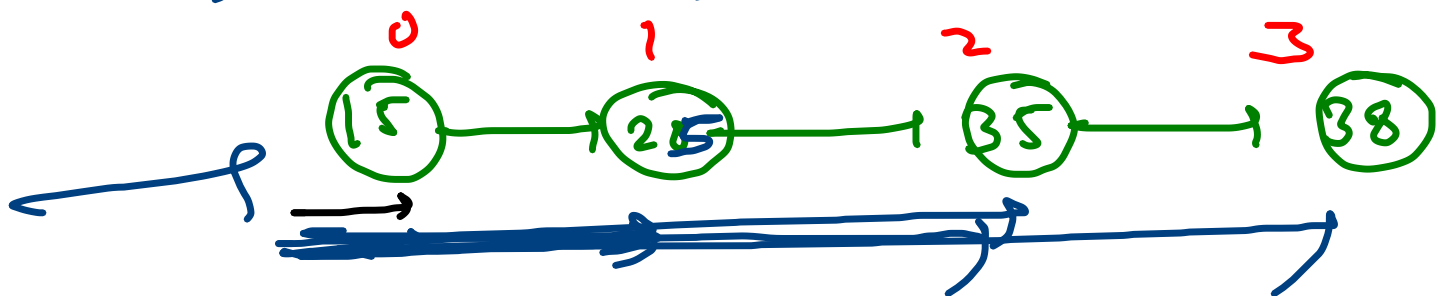
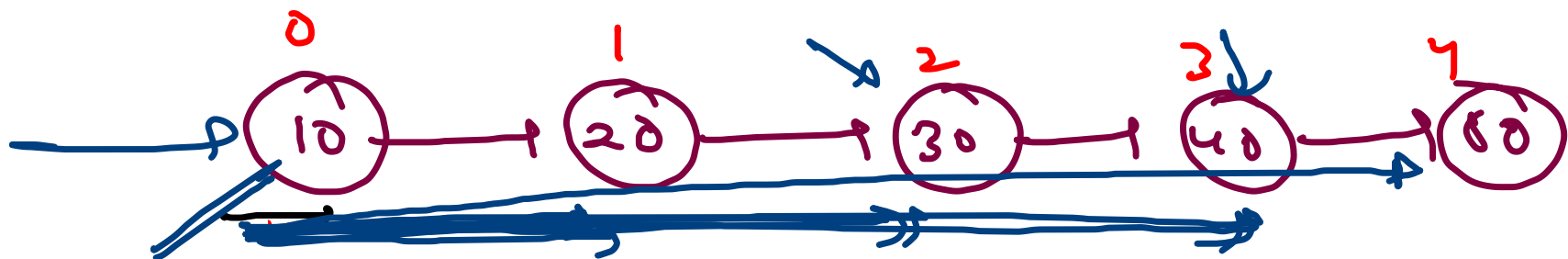


5



list. $i \in j \subset d_2 \text{ size}$

low

$i = 0 \neq 1 \neq 2 \neq 3 \neq 4 \neq 5$

$j = 0 \neq 1 \neq 2 \neq 3 \neq 4$

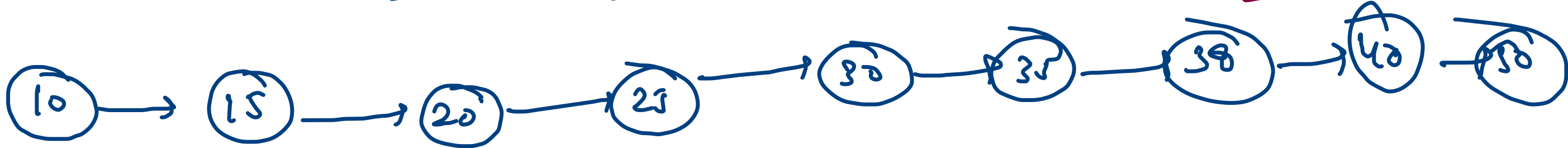
data1 = ~~10~~ ~~20~~ ~~20~~ ~~30~~ ~~30~~ ~~40~~ ~~40~~

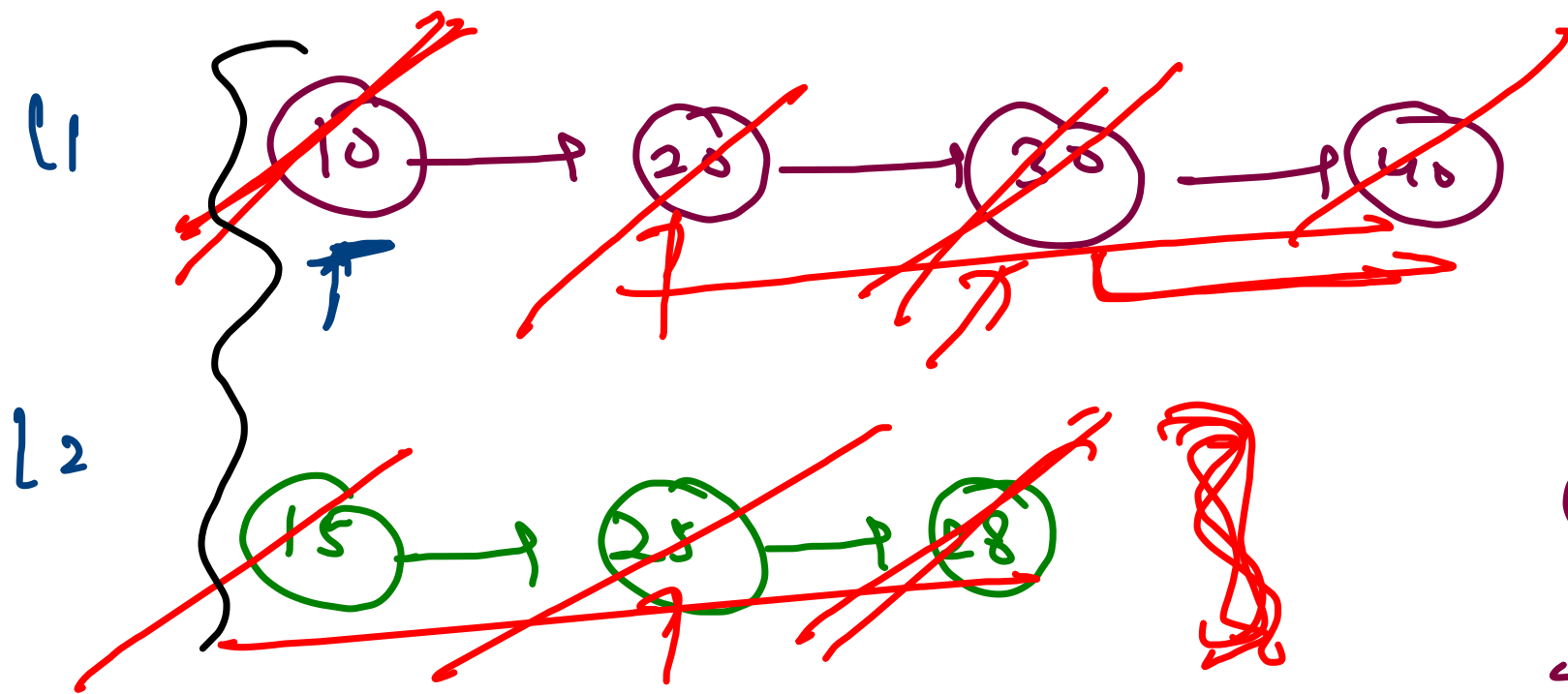
data2 = ~~15~~ ~~15~~ ~~25~~ ~~25~~ ~~35~~ ~~35~~ ~~38~~

$O(n)$
 $O(1)$

$= O(n^2)$

~~20~~





$O(n)$

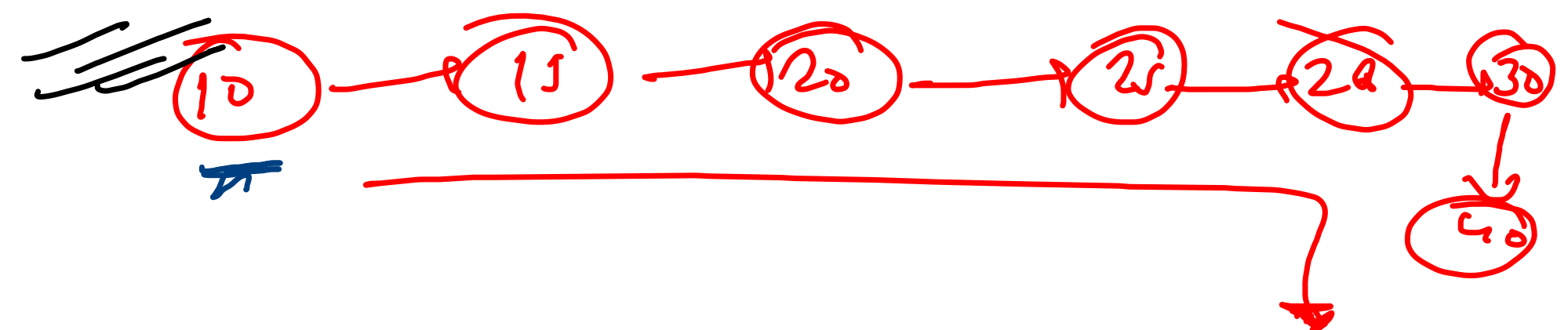
get first $\rightarrow O(1)$
remove first $\rightarrow O(1)$
head = head.next
Add last $\rightarrow O(1)$

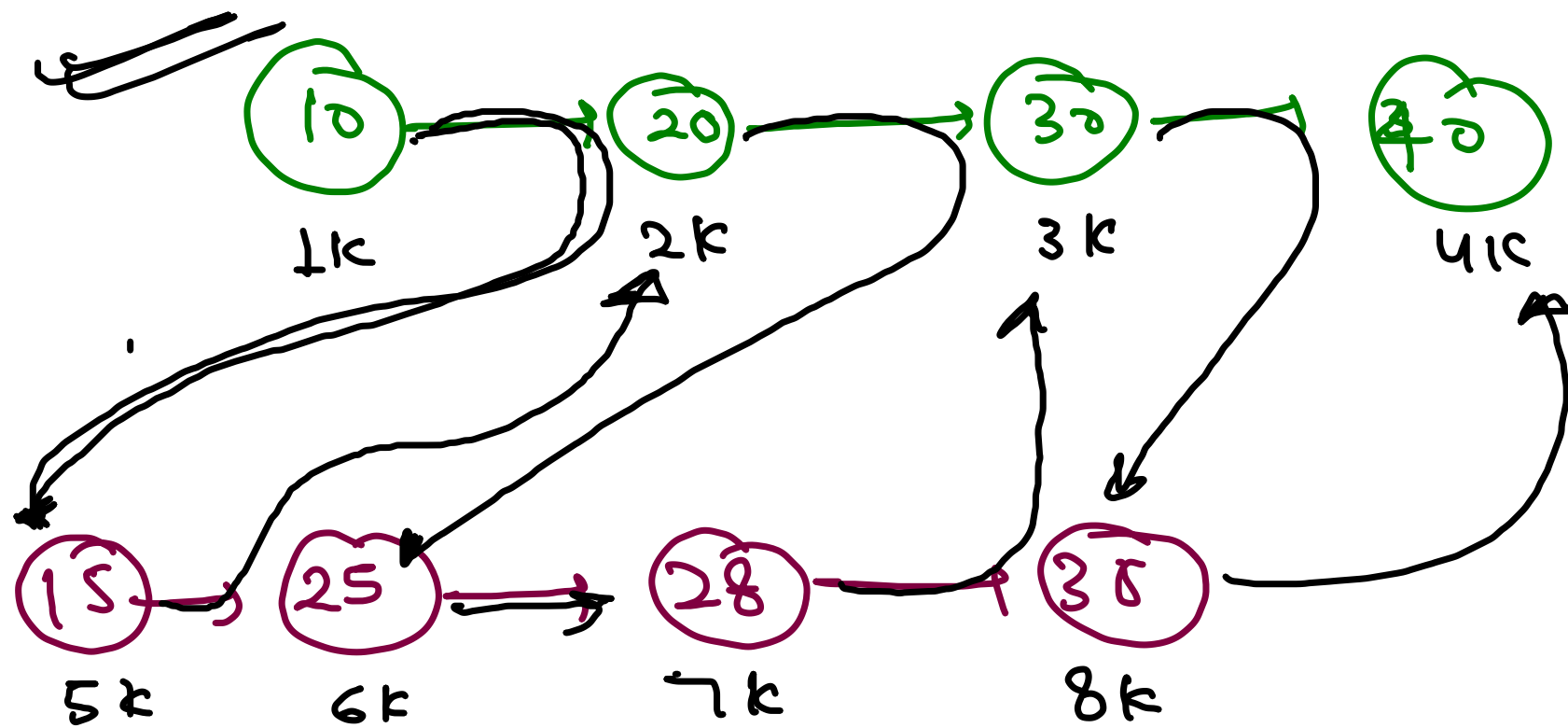
Data 1 = ~~10~~ ~~20~~ ~~30~~ ~~30~~
 Data 2 = ~~15~~ ~~25~~ ~~28~~ ~~28~~

memory
optimization

l1 remove first
 & add last

res





Pointer Manipulation
→

