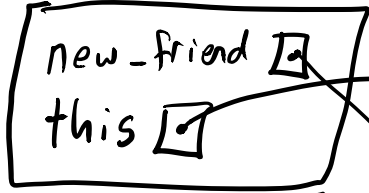
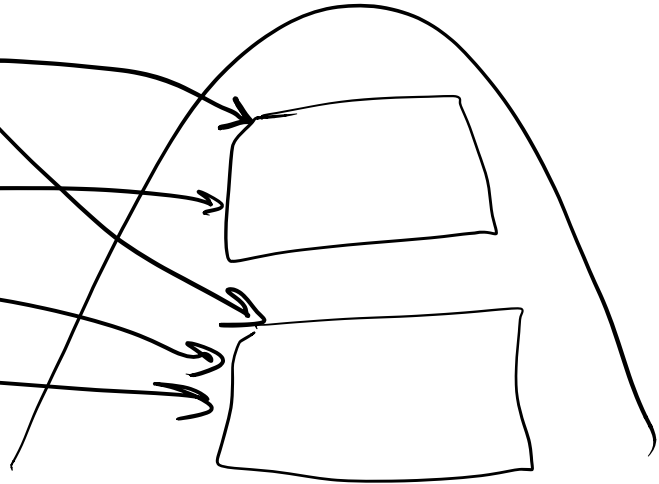
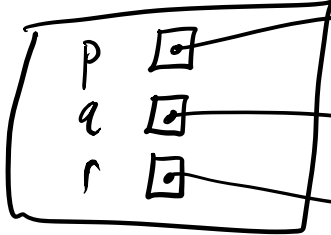


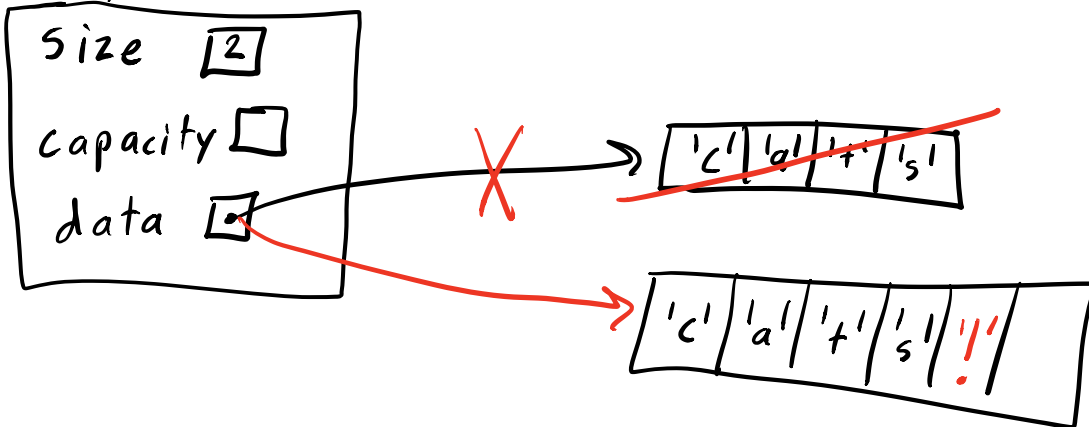
person::
u BF



main



Array List



	LinkedList	Array List
get Size	$O(n)$ $O(1)$	$O(1)$
get (index)	$O(n)$	$O(1)$
insertFirst	$O(1)$	$O(n)$
insert Last	$O(n)$ $O(1)$	$O(1)$ <small>best</small> $O(n)$ <small>worst</small> $O(1)$ <small>amortized</small>
insert	$O(n)$	

	<u>size</u>	<u>Capacity</u>	<u>Copies</u>
	0	4	
insert	1	4	0
.	2	4	0
.	3	4	0
.	4	4	0
.	5	8	4
	6	8	0
	7	8	0
	8	8	0
	9	16	8
8			0 x 8
		32	16
			0 x 16

worst case

expected worst case
average over random

amortized worst case

average over lots of work