

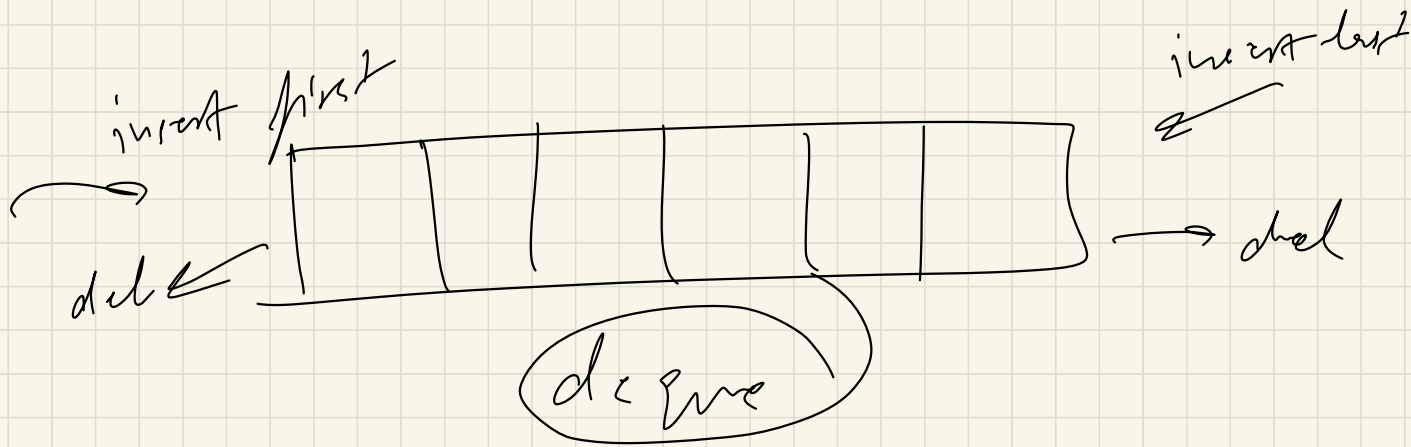
LIFO

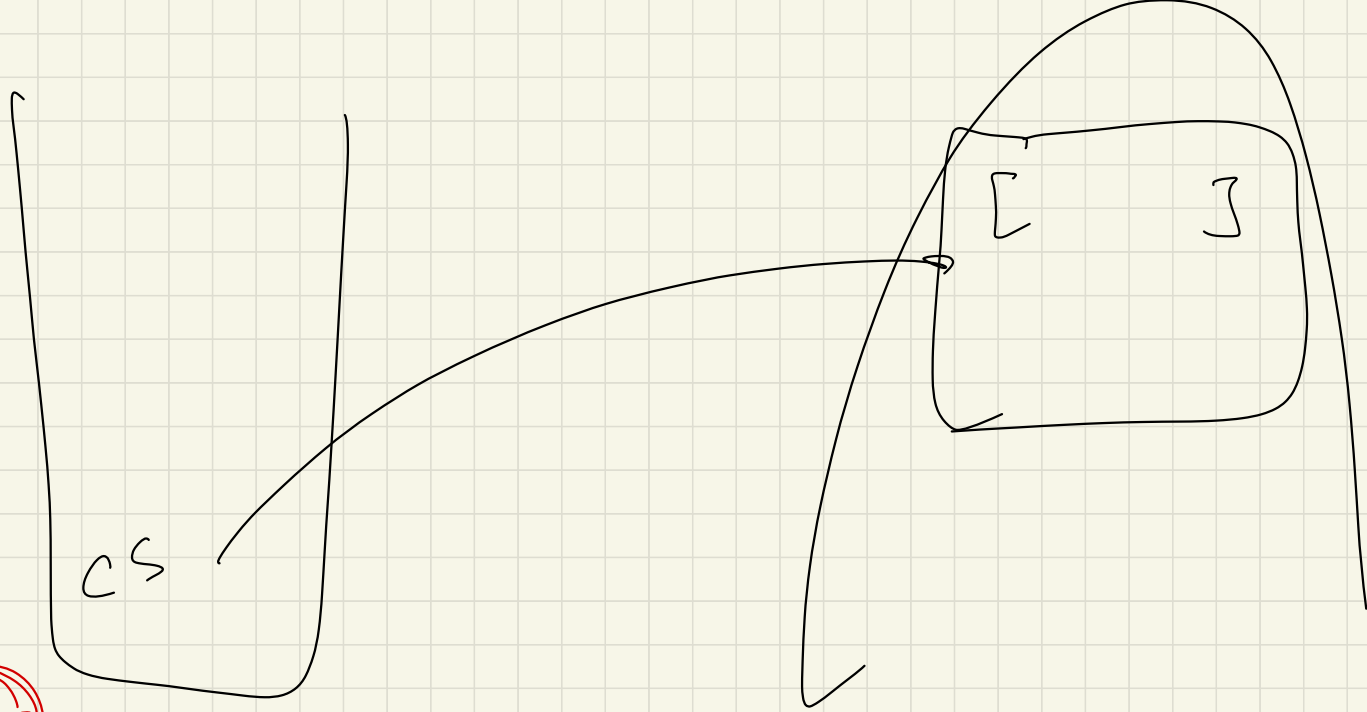
FIFO

Queue

18	→ 18
9	
2	
45	
34	

0	1	2	3	4	5
34	45	2	9	18	





~~ptr~~
~~0~~
~~1~~
~~0~~

~~-1~~

0 1 2 3 4 5
[18, 47, 0, 0, 0, 0]

data

[2, 9, 1, 8, 7]

temp

= [2, 9, 1, 8, 7, 0, 0, 0, 0]

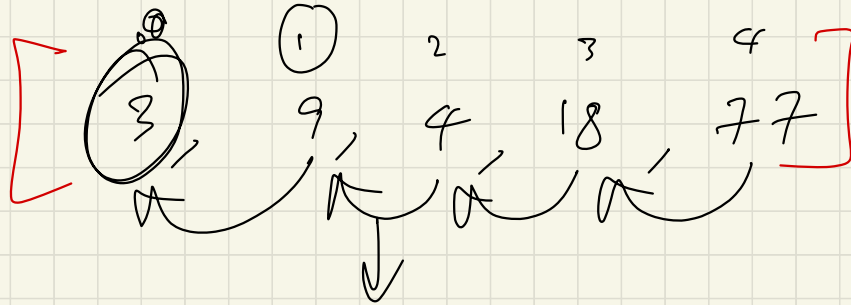


out of scope

Custom Queue!

data =

$O(N)$

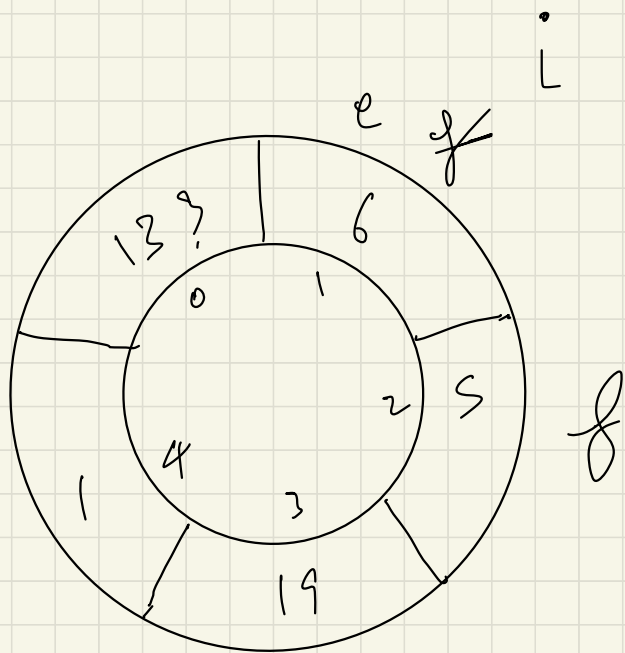


[0 1 2 3 4]
[9, 4, 18, 77, 0]

end

~~0~~
~~X~~

2



e 0	e 1	f 2	3 3	e 4	e 5
78	9	19	20	35	

e % size

$$5 \% 5 = 0$$

$$6 \% 5 = 1$$

f 0	1	2	3 3	4	e 5	6	7	8	9
5	19	1	133	6					

