Full case when adding element at tail
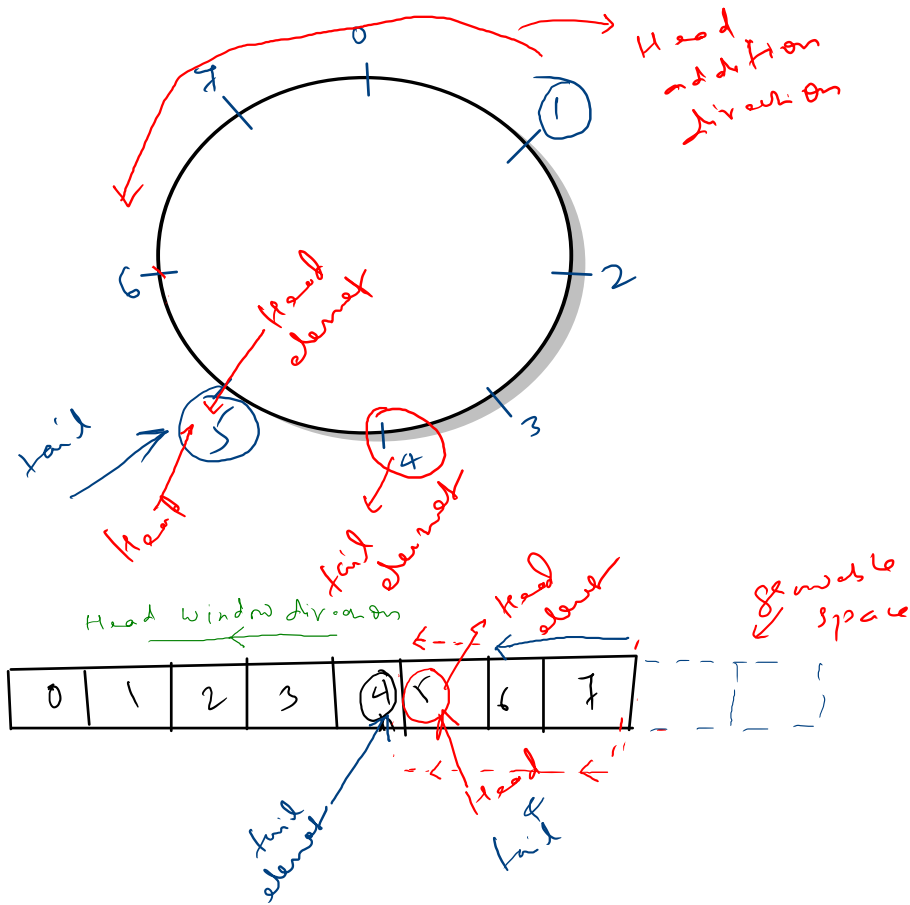

tail element

tail

Head

Head element

fail == Head → full condition

tail element add direction

tail element

Head & tail

Head element

tail

grow

Head addition direction

0

7

1

Head element

6

2

tail

Head

5

4

3
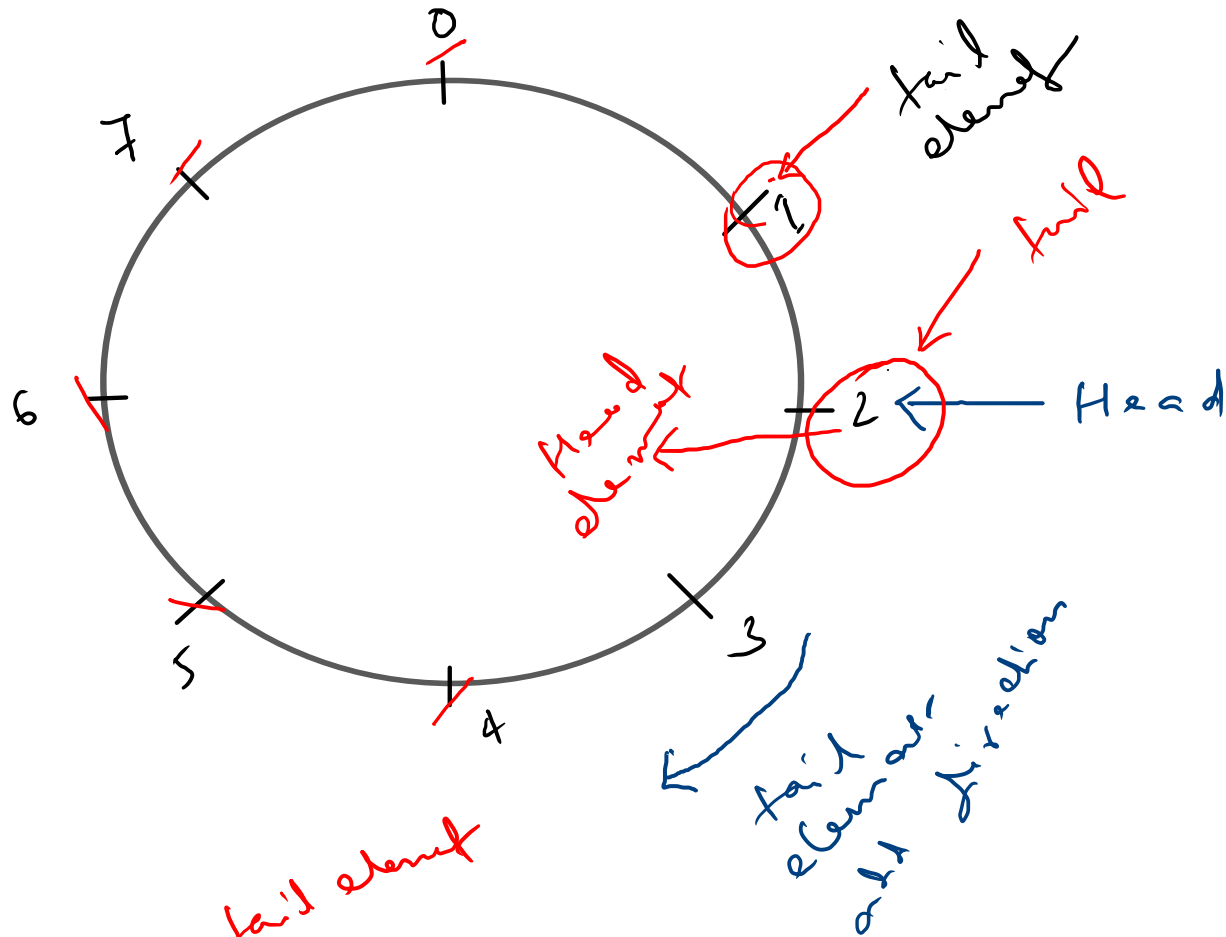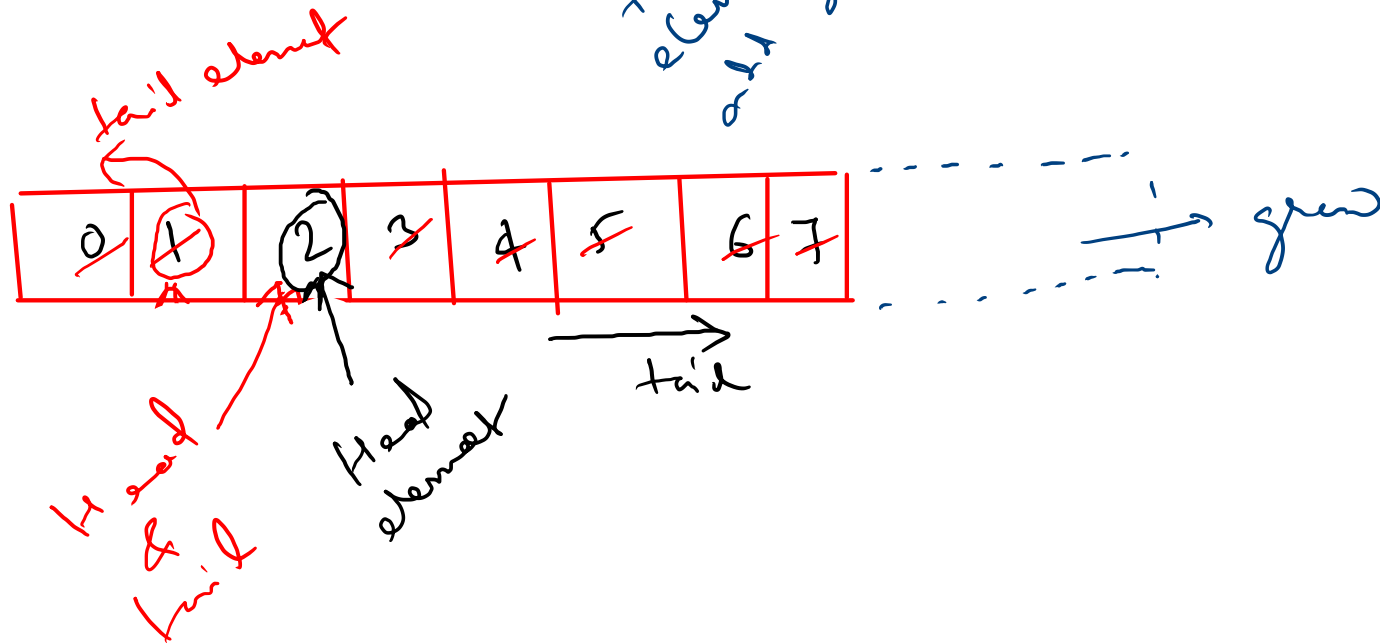
tail element

Head == tail

full condition

Head Window direction

Head element

growable space

0	1	2	3	4	5	6	7

tail element

Head

tail

Since in both the cases (Head add & Tail add)
<u>head element index</u> is ahead of tail
element index.

→ So, If we shift head window
at end of free space, it will
work for both the cases.

simply In case of Head-add we are
shifting head-window in opposite
direction.