

Implement

Queue using

Stacks

4	5
5	4
4	3
3	2

1	2
2	3
3	4
4	5

1, 2

Stack 1

Stack 2



LIFO

Queue \rightarrow FIFO

Enqueue()

\hookrightarrow Push() \rightarrow $O(1)$

Dequeue()

\hookrightarrow Pop() \rightarrow $O(n)$