

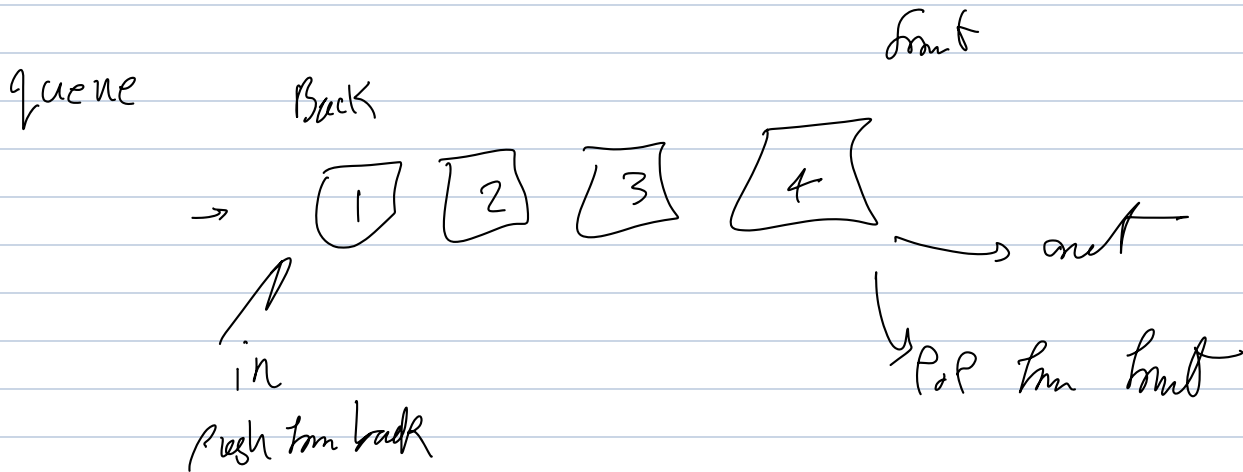
Implement a fifo queue using only two stacks
with methods push, pop, peek, empty

pushes x into queue

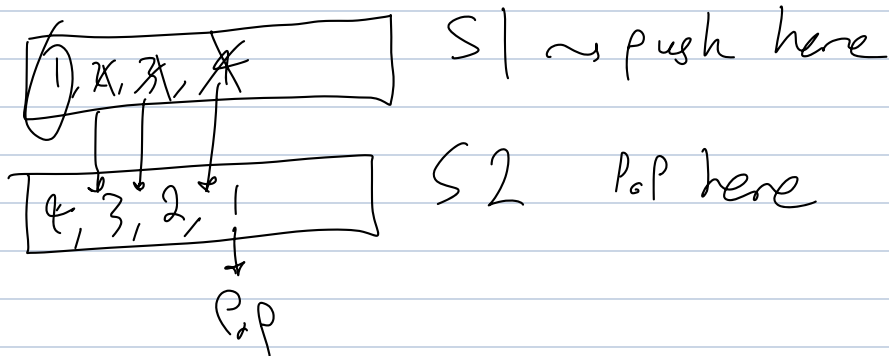
removes the element from the front
and returns it

returns element
from the front

returns true if queue
is empty, else false.



Stack \rightarrow 1, 2, 3, 4 \rightarrow remove
and add from back



only can push to one and pop from the other

for pop \rightarrow if stack 2 is not empty:

add all stack 1 to stack 2

by popping from stack 1

and pushing to stack 2

return stack 2.pop()