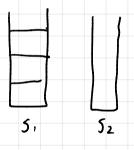
Queue	
1).	a
z),	front point at 1, back point to 4, which store new items, p
3).	C C
4).	b b
5)	. check if the queue is empty
	return the element that front point to
6)	
	remove -> O(1)
7)	O add O(1)  If (check if there are empty) {  creat a new Item P is Pointer  p. next = back.next  back.next = P  lack = P  lock = P  gelse [  general a new Item P is pointer  back  back  back  back  back  back  for emove o(1)  If (check if there are less than 2 element) {  general a new Item P is pointer  general a new Item P is
	val = back. next. value  back. next = back. next. next.  return val.  else { return a element or reture empty queue-  return a element or reture empty queue-

- add() is O(n), It need look through all the list H 8) the order of element is least. remove is 0(1), It just remove the first element regardless of the order of element.
- 9). Change the back element as highest rank. change the back element as a specified rank.

10).



stack 1 stack 2

① public void add (X) {
 while (front is not empty) {

pop the element from front to back

front push (X) while ( back is not empty) { pop the element from back to front 3

2 remove

pop the front stack

- 3 peek return the first element of front
- @ empty check if the front is empty.