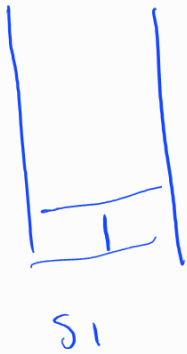
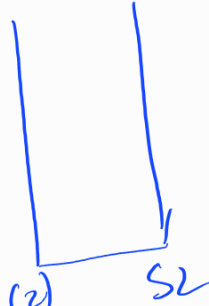


①

enqueue(1)



enqueue(2)



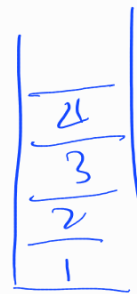
enqueue(3)

invert
+
push
+
invert



①, ②, ③ 4, 5

S_1 ↓ enqueue(4) S_2



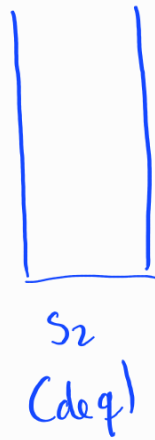
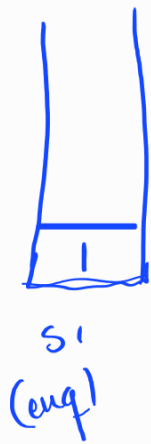
enqueue $O(n)$
dequeue $O(1)$

②

1, 2, 3, 4, 5

2

enqueue(1)



→



enq(2)



enq(3)

→

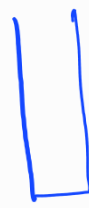


enq(4)

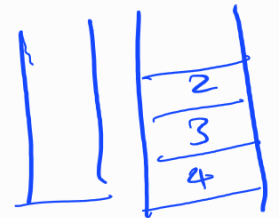
→



deg(.)
return 1

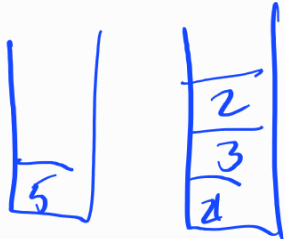


→



enq(5)

→



dequeue

∴ amortized $O(1)$
every 2nd $O(n)$

enqueue : $O(1)$

①

