

↓ FRONT
↓ REAR

-1 0 1 2 3 4

empty queue



-1 0 1 2 3 4

1

enqueue the first element



-1 0 1 2 3 4

1 2

enqueue



-1 0 1 2 3 4

1 2 3 4 5

enqueue



-1 0 1 2 3 4

3 4 5

dequeue



-1 0 1 2 3 4

6 3 4 5

enqueue



-1 0 1 2 3 4

6 7 3 4 5

queue full