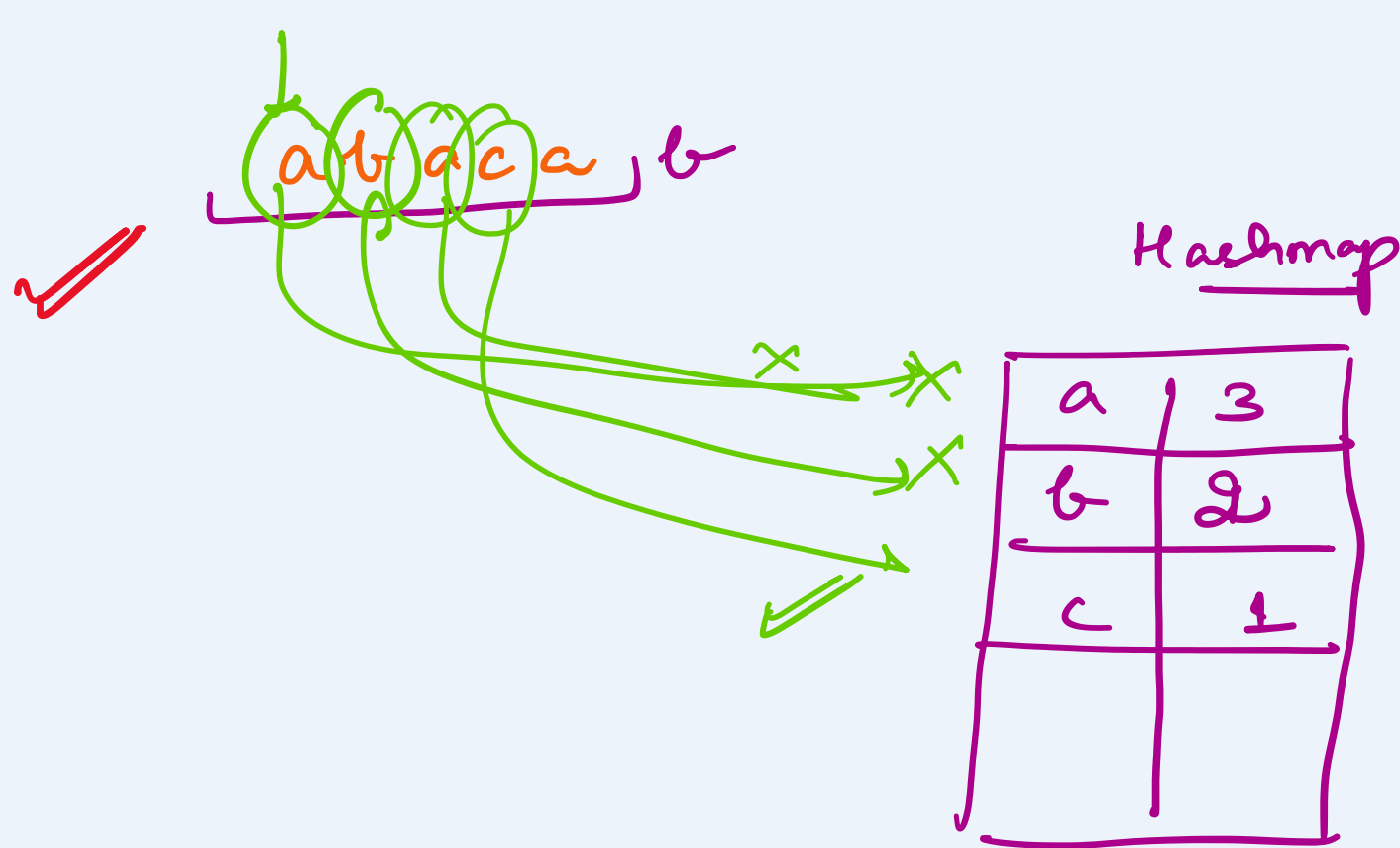


Q Given a stream of characters, find the first non-repeating character from the stream

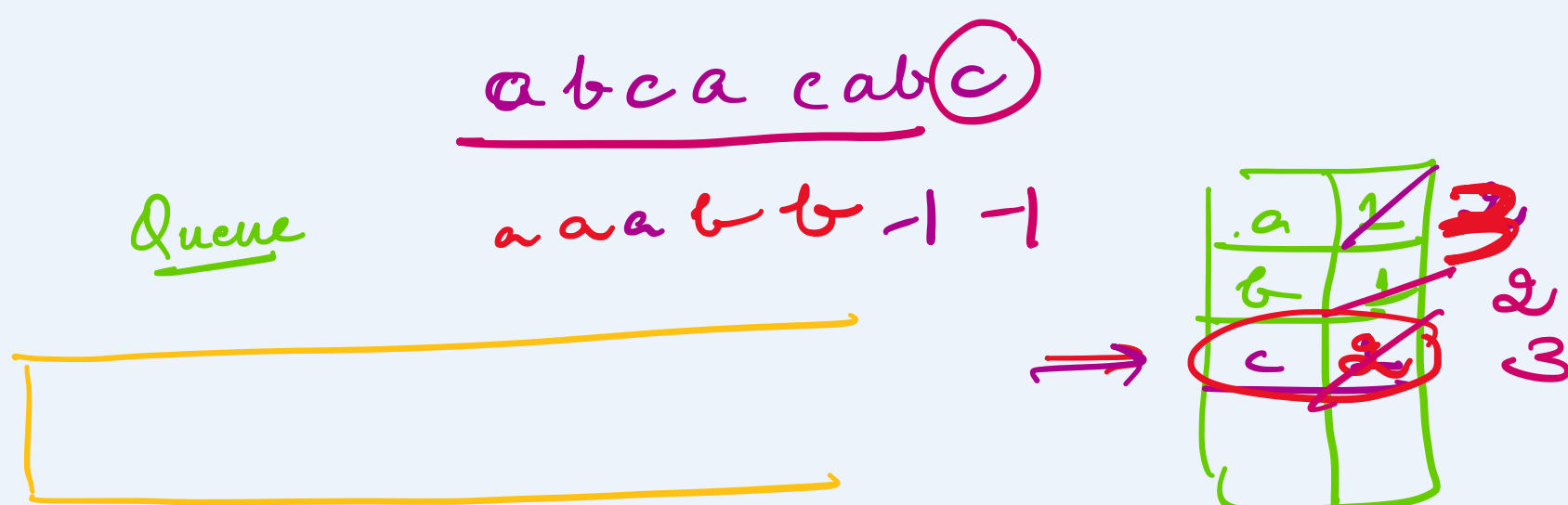
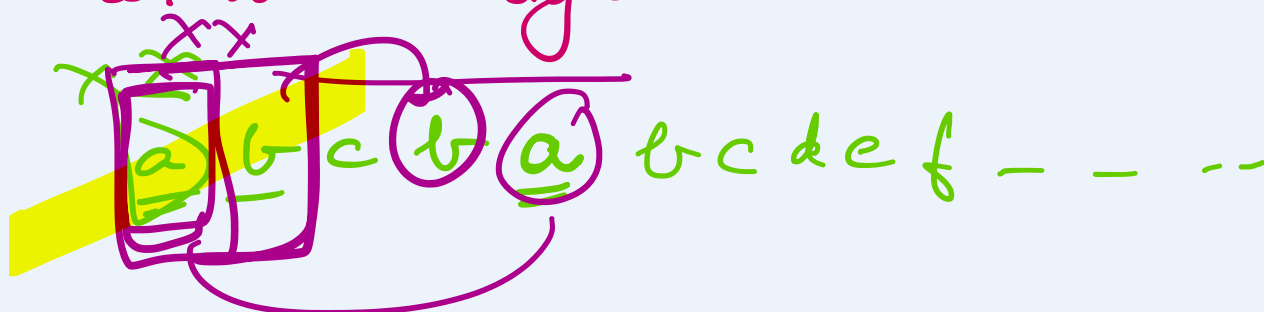
① Input → abab
ans → aab-1

② Input → abacab
ans → aabbb-1



Intuition:

→ Once a character has been repeated, it is never going to be an answer again



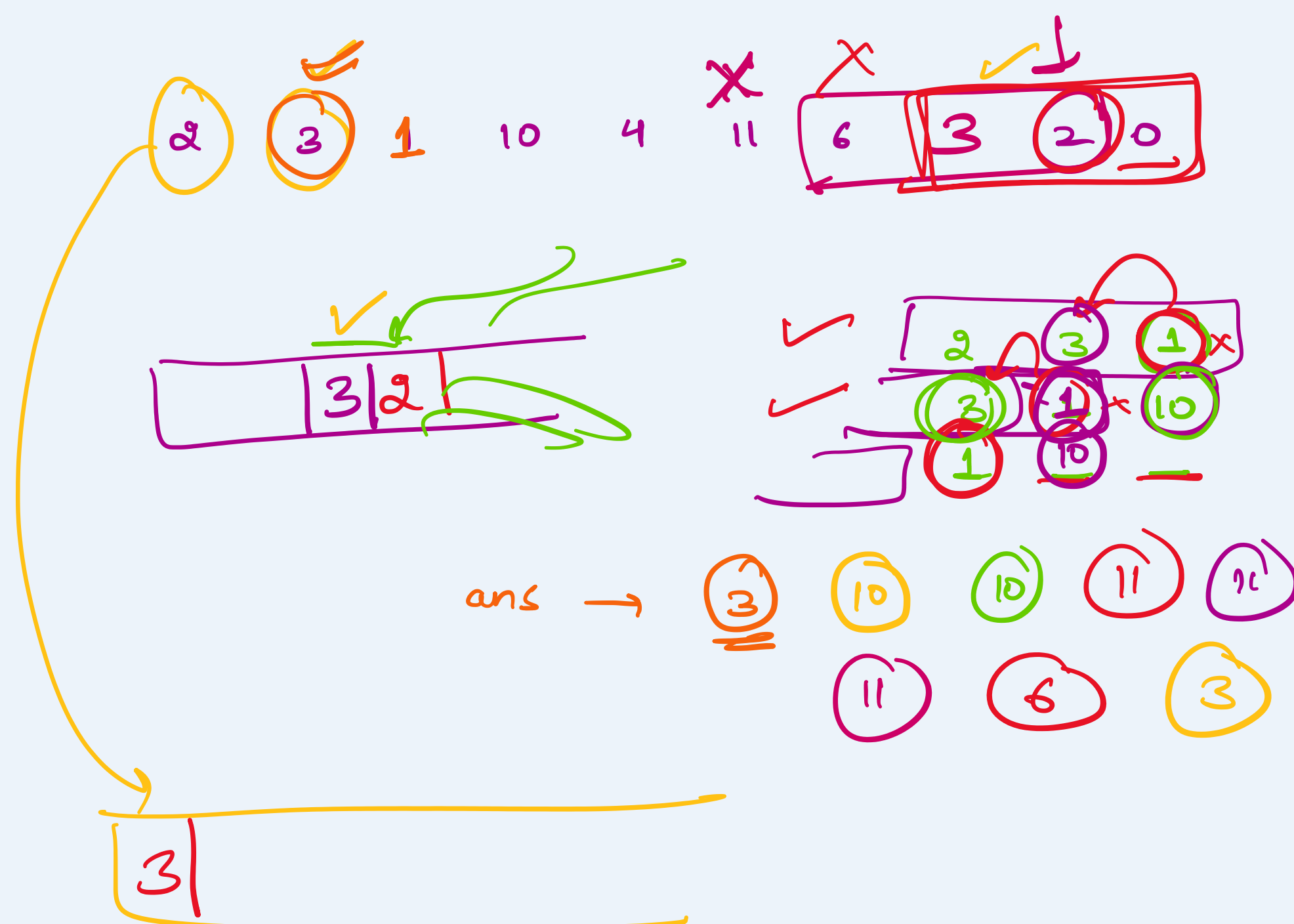
Q Given an array

2 3 1 10 4 11 6 3 2 0
k = 3

Print the maximum element inside all subarrays of size (k).

ans → [3 10 10 11 11 11 6 3]

Deque



k = 3



①

for (i → n)
q.push(i); enqueue/dequeue

while (!q.size() != 1) {

int x = k

while (x > k) {

q.push(q.pop());

x--;

}

q.pop();

}

return q.peek();