Q: Suppose that a client performs an intermixed sequence of (queue) enqueue and dequeue operations. The enqueue operations put the integers 0 through 9 in order onto the queue; the dequeue operations print out the return value. Which of the following sequence(s) could not occur?

(a) 0 1 2 3 4 5 6 7 8 9

(b) 4 6 8 7 5 3 2 9 0 1

(c) 2 5 6 7 4 8 9 3 1 0

(d) 4 3 2 1 0 5 6 7 8 9

Answer: (b), (c), (d) because in queues, we have to dequeue first inserted element but in (b), (c), (d) element is dequeue from last node. So these options not occur in queue