**20186002**

Suppose that a client performs an intermixed sequence of (stack) push and pop operations. The push operations put the integers 0 through 9 in order onto the stack; the pop operations print out the return values. Which of the following sequence(s) could not occur? 

a. 4 3 2 1 0 9 8 7 6 5   
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   
e. 1 2 3 4 5 6 9 8 7 0   
f. 0 4 6 5 3 8 1 7 2 9   
g. 1 4 7 9 8 6 5 3 0 2   
h. 2 1 4 3 6 5 8 7 9 0

Answers:

Could occur (Valid) : a, c, d, e, h

Could not occur (Not valid) : b, f, g