1. Tail recursion is indicated by
   (1 point)
   A. The recursive calls "wagging" up and down
   B. Multiple recursive calls within a single method
   C. The recursive call being the first thing executed in the method
   D. The recursive call being the last thing executed in the method

   ✓ D. The recursive call being the last thing executed in the method

2. Given a recursive solution, R, and an iterative solution, I, to solve the same problem
   (1 point)

   ✓ A. The iterative solution will typically be faster
   B. The recursive solution will typically be faster
   C. The two solutions will execute in more or less the same amount of time
3. In the backtracking solution to the 8-Queens problem, if we cannot place a queen onto column \( k \) (where \( k > 0 \)), we

(1 point)

A. Move to column \( k+1 \) and try to place a queen there

B. Backtrack to column \( k-1 \) and try to move a previously placed queen in that column

✓

C. Retry column \( k \) and hope this time the outcome is different