

现语法错误或逻辑错误,则酌情扣分。

1. Given a non-empty queue Q, and an empty stack S, using only stack and queue ADT functions, and a single element variable X, write an algorithm to reverse the order of the elements in Q

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2. Given an array storing integers ordered by value, modify the following binary search routine to return the position of the first integer with value K in the situation where K can appear multiple times in the array. Be sure that your algorithm is in O(log n), that is, do not resort the sequential search once an occurrence of K is found

int binary(int K, int A[], int n) {

int l=-l; int r=n; while (l+1)!=r) {

int i=(l+r)/2; if (K < array[i]) r=i; if (K > array[i]) return i; if (K > array[i]) return n; }

return n; }

while (k=-orray(atl))

注: 试题字迹务必清晰, 书写工整。

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