Conceptual Understanding

If the most frequently used operations for a linear table are to access the value of the i-th element and its predecessor and successor, in order to improve efficiency, the _____ storage method should be adopted.

A. Singly linked list

B. Doubly linked list

C. Circular linked list

D. Sequential list

Commonsense Reasoning

The storage space of the circular queue is an array A[21], where "front" points to the position before the front element, and "rear" points to the rear element. Assuming the current values of "front" and "rear" are 8 and 3 respectively, the length of the queue is _____.

A. 5

B. 6

C. 16

D. 17

Multi-hop Reasoning

If there are definitions: char *p = "h12\0ab", str[] = "h12\0ab"; , the values of sizeof(p), sizeof(str), and strlen(p) are_____.

A. 4，4，3

B. 7，7，7

C. 4，8，7

D. 4，7，3