Suppose that the replacement selection is applied to generate longer runs for N numbers with a priority queue of size M, the possible maximum length of t longest run is N.
⊕ T ○ F
Γ
In general, for a 3-way merge we need 6 input buffers and 2 output buffers for decreasing the number of passes.
=
Given 1000 runs and 8 tapes. If simple k -way merge is used, the minimum number of passes required is 5 (runs generation pass is not counted).
® T ○ F
Т
To sort N numbers by external sorting using a k -way merge and a k -size heap, which statement is TRUE about the total comparison times $T(N,k)$ and k ?
\circ A. $T(N,k)$ has nothing to do with k .
\circ B. $T(N,k)$ is $O(k)$ for fixed $N.$
\circ C. $T(N,k)$ is $O(k\log k)$ for fixed N .
$ullet$ D. $T(N,k)$ is $O(k^2)$ for fixed $N.$
A replacement selection is applied to generate the max run with a priority queue of 5 records. When the sequence of numbers is { 11, 81, 17, 14, 94, 28, 35, X,} and the length of the first run is 7, what is the sufficient condition of X?
A. less than 17

D. less than 94

B. greater than 17 C. less than 35

答案正确: 2分 ♀ 创建提问 ☑

Α

Т

F