

**An Example of a ChainList**  
**Used for ChainSort, ChainSearch, and Best-fit Dynamic Memory Allocation**

$$\text{Recall } MapKey(K) = \left\lceil \frac{K}{10} \right\rceil$$

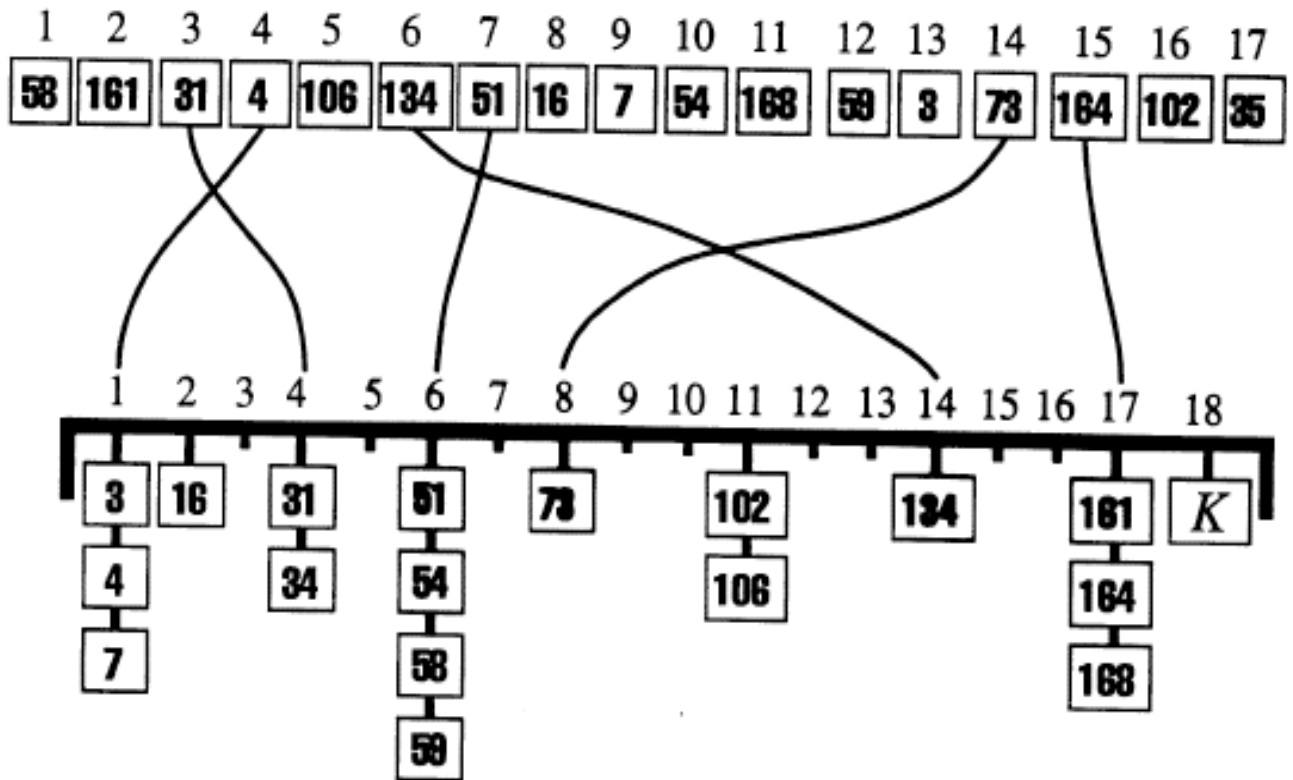


Diagram from “ $O(n)$  Sorting,  $O(1)$  Searching and  $O(1)$  Dynamic Memory Allocation” by Tim Standish, a Theory Group Talk given at ICS Friday, June 7, 1996