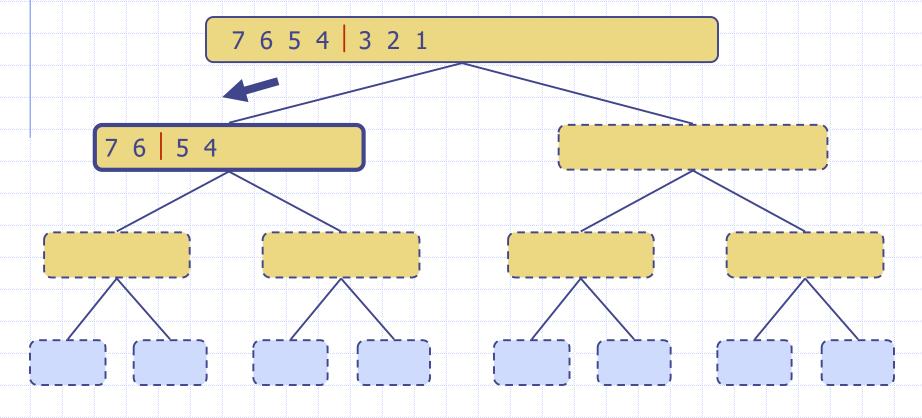
Problem 2

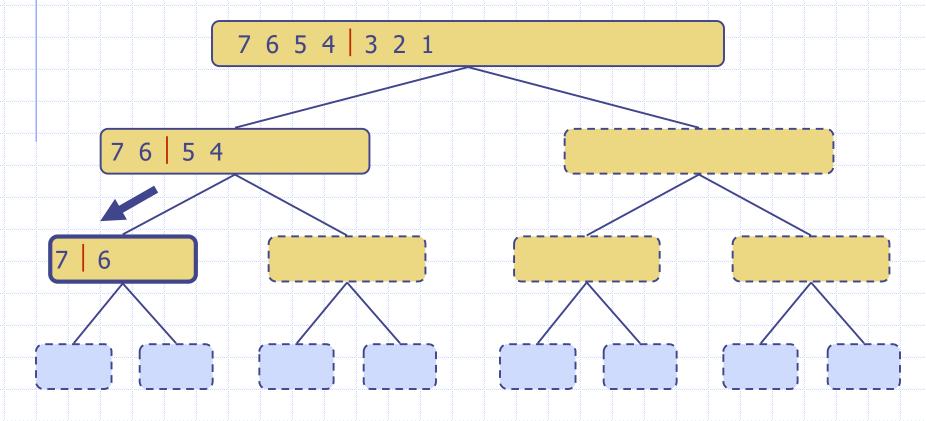
Partition

7 6 5 4 | 3 2 1

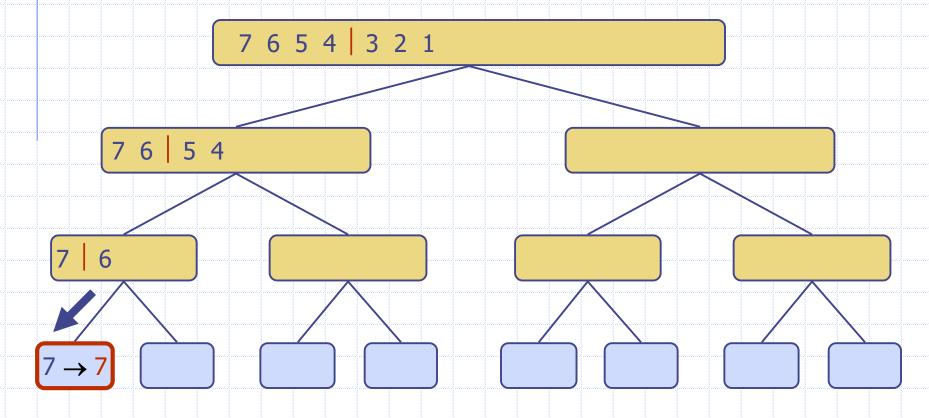
Recursive call, partition



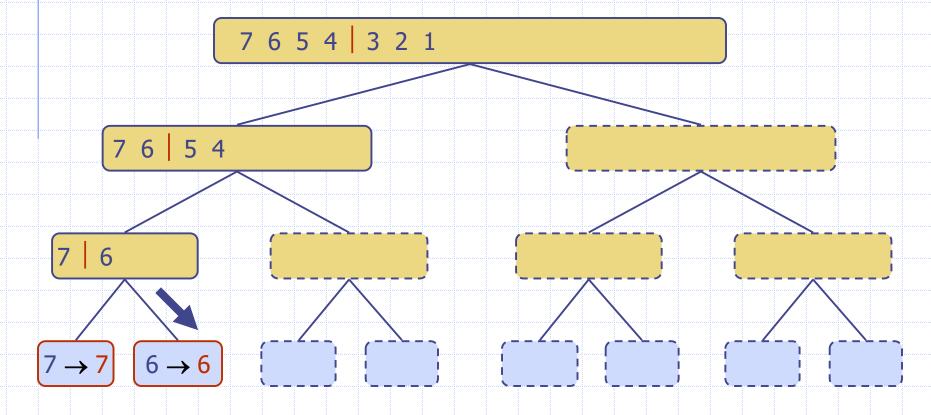
Recursive call, partition



Recursive call, base case



Recursive call, base case





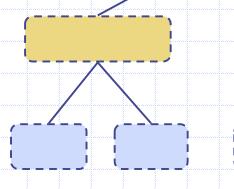
7654 | 321

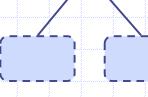
7 6 | 5 4

 $\begin{bmatrix} 7 & 6 \rightarrow 6 & 7 \end{bmatrix}$

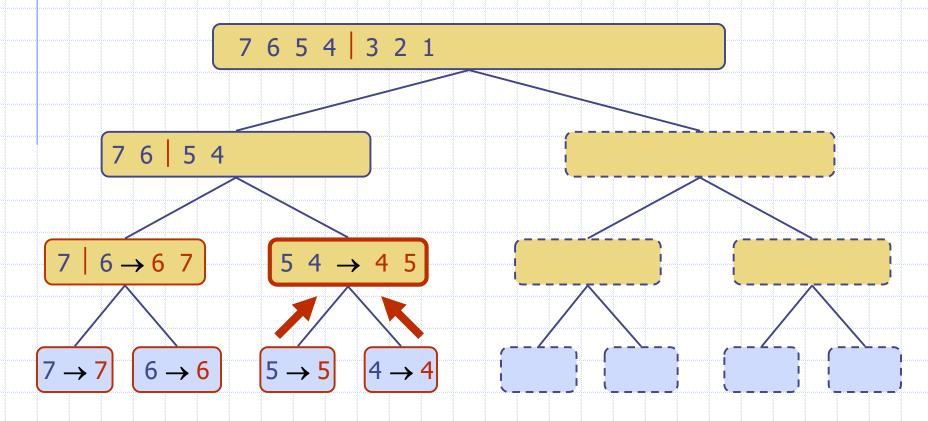


$$7 \rightarrow 7$$
 $6 \rightarrow 6$

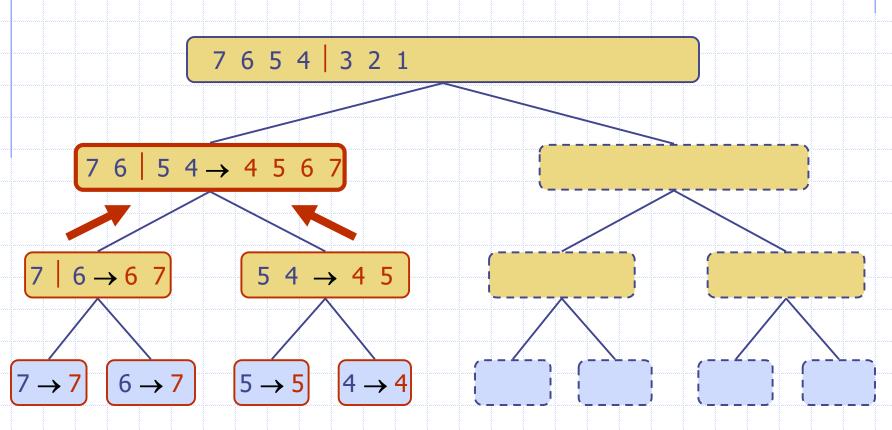




Recursive call, ..., base case, merge







Recursive call, ..., merge, merge

