FIGURE 15.12C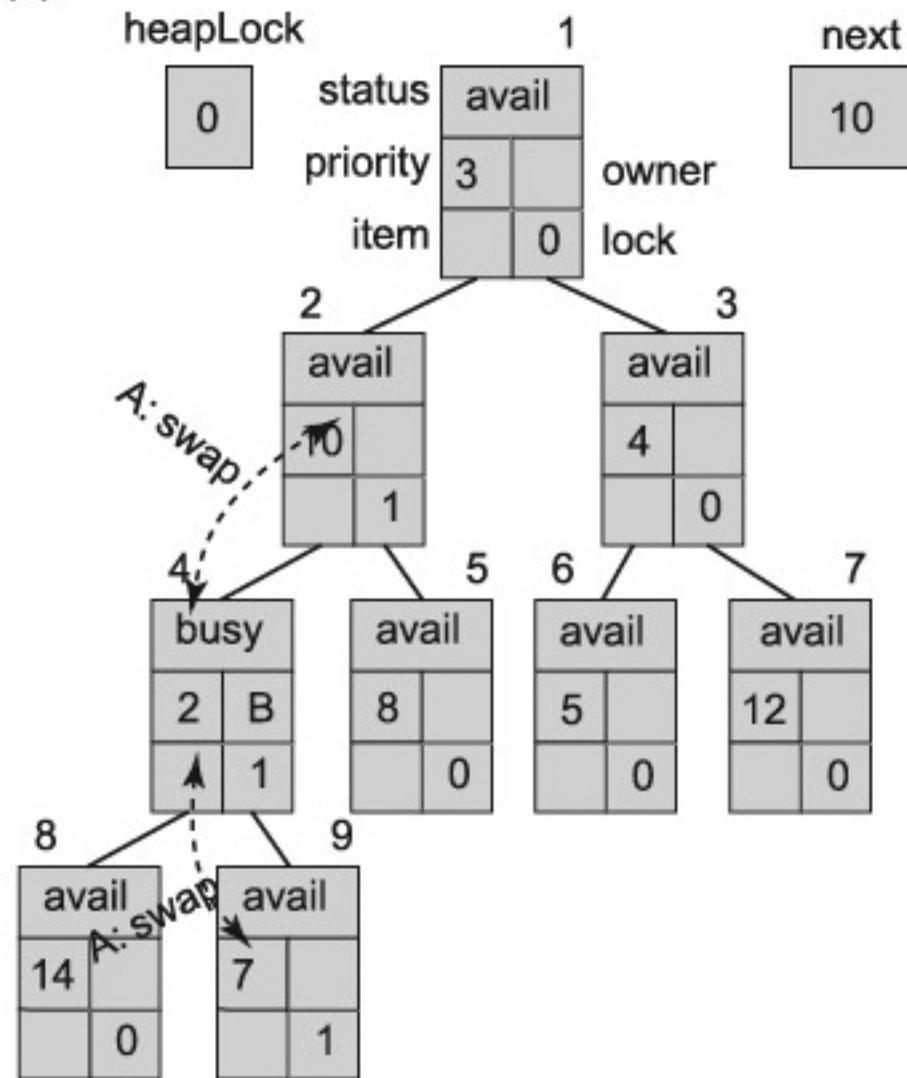 The FineGrainedHeap class: a heap-based priority queue.