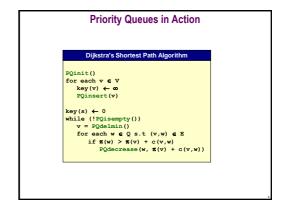
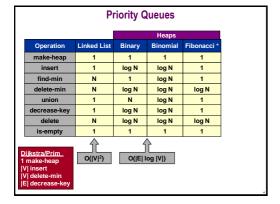
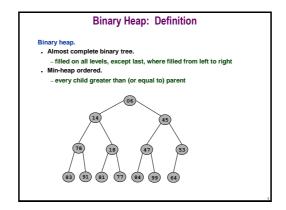
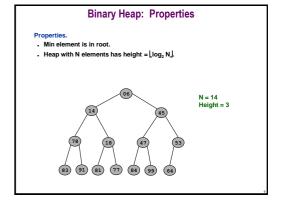
Binomial Heaps

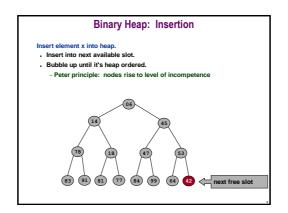
Priority Queues Supports the following operations. Insert element x. Return min element. Return and delete minimum element. Decrease key of element x to k. Applications. Dijkstra's shortest path algorithm. Prim's MST algorithm. Event-driven simulation. Huffman encoding. Heapsort.

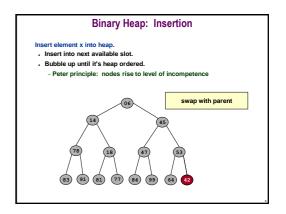


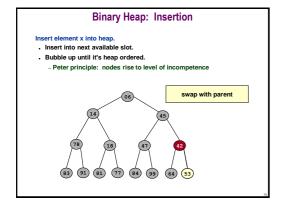


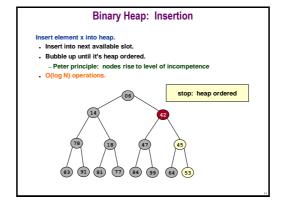


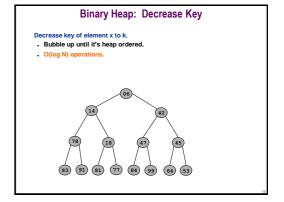












Binary Heap: Delete Min Delete minimum element from heap. Exchange root with rightmost leaf. Bubble root down until it's heap ordered. - power struggle principle: better subordinate is promoted

