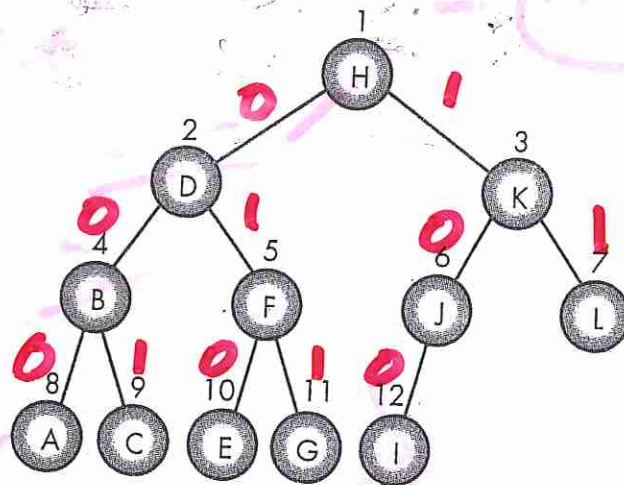


8.4 A Sequential Binary Tree Representation

LEARNING OBJECTIVES

1. To learn about one of the important sequential representations of complete binary trees.
2. To learn how to find the parents and children of nodes in this sequential representation.
3. To learn the conditions for a node being a root, a leaf, and an internal node in this representation.

numbering nodes
level-by-level



A:

	H	D	K	B	F	J	L	A	C	E	G	I
0	1	2	3	4	5	6	7	8	9	10	11	12

Figure 8.6 Sequential Representation of a Complete Binary Tree (with A[0] Empty)

↑
a.k.a. Contiguous