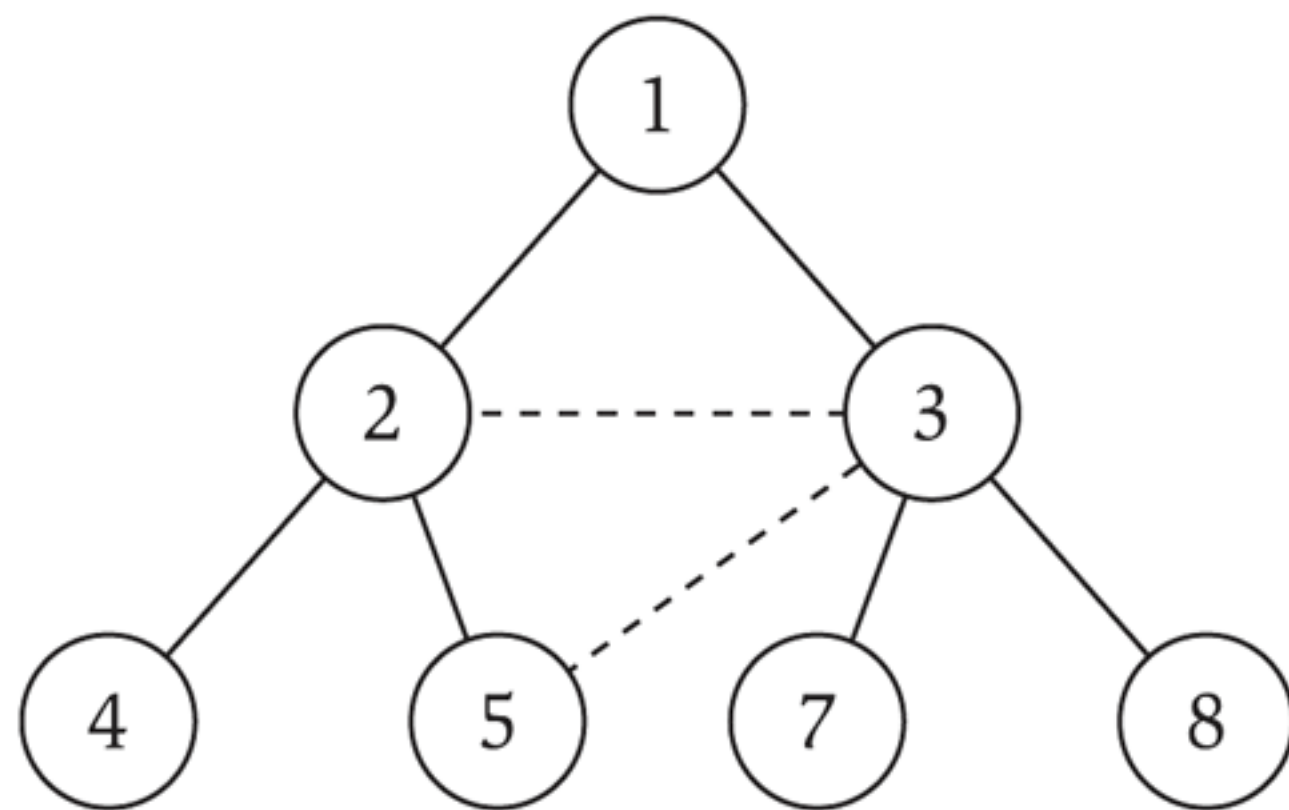
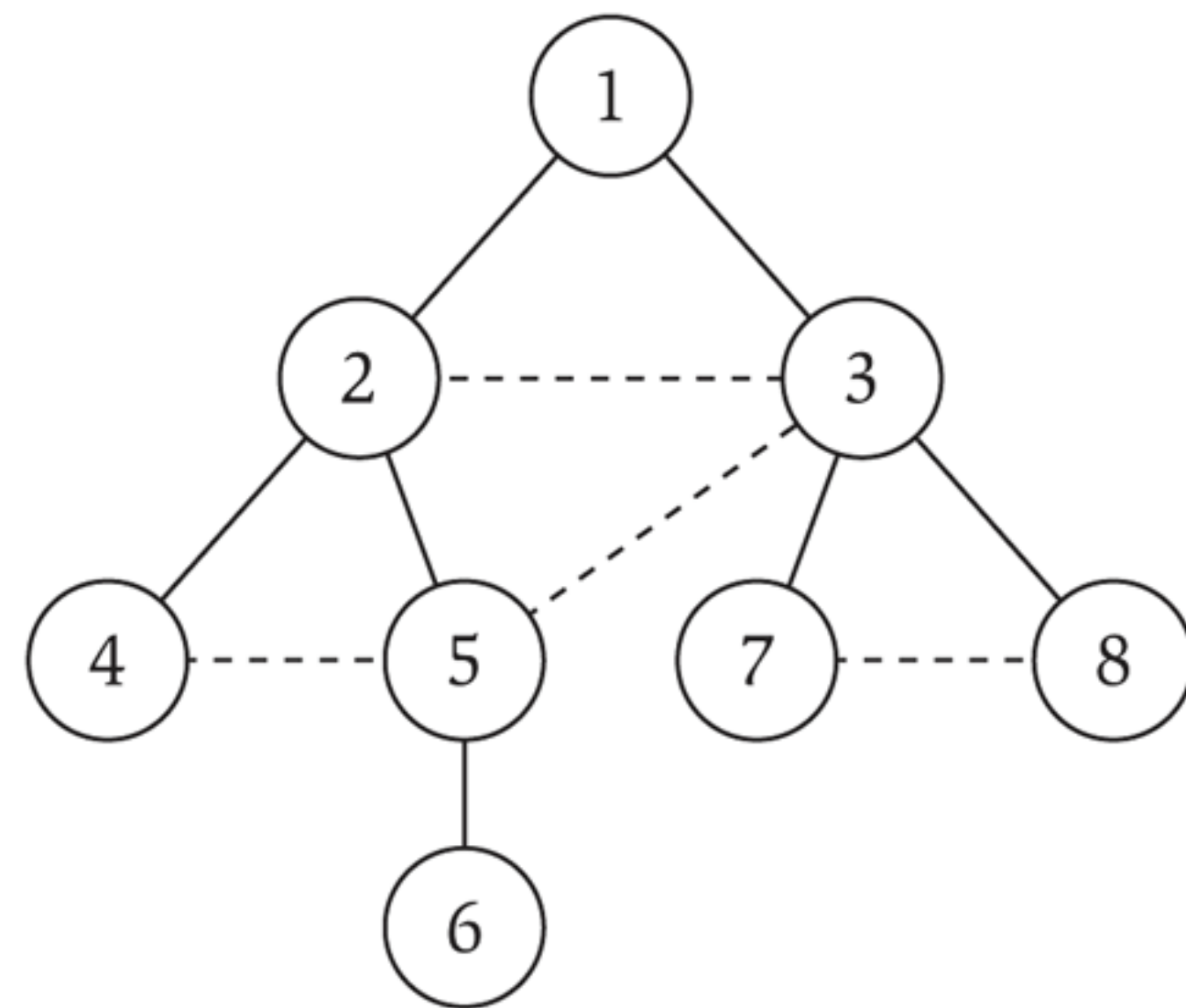


(a)



(b)



(c)

Figure 3.3 The construction of a breadth-first search tree T for the graph in Figure 3.2, with (a), (b), and (c) depicting the successive layers that are added. The solid edges are the edges of T ; the dotted edges are in the connected component of G containing node 1, but do not belong to T .