

The cycle through x , y , and z has odd length.

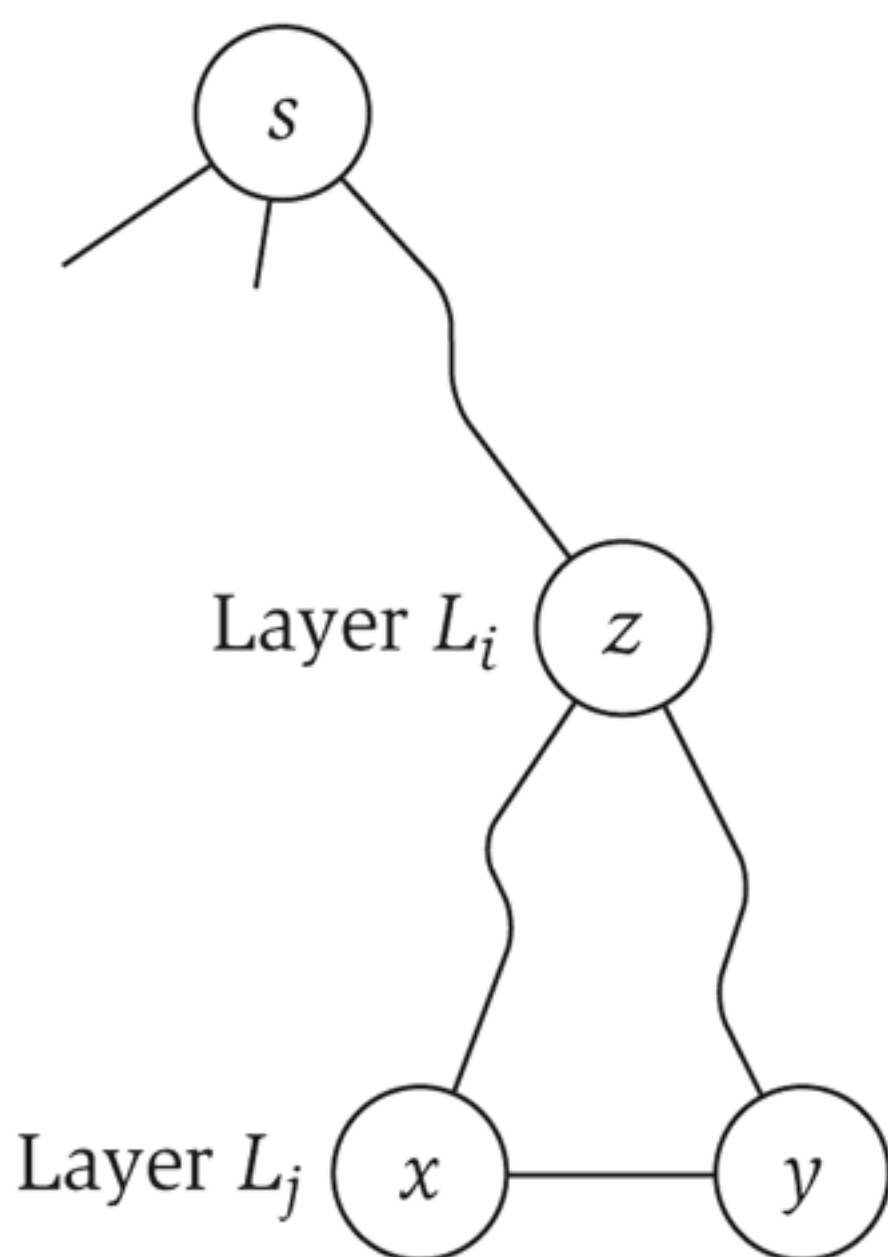


Figure 3.6 If two nodes x and y in the same layer are joined by an edge, then the cycle through x , y , and their lowest common ancestor z has odd length, demonstrating that the graph cannot be bipartite.