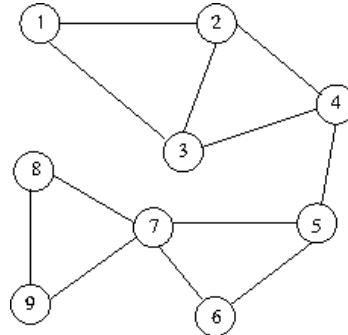
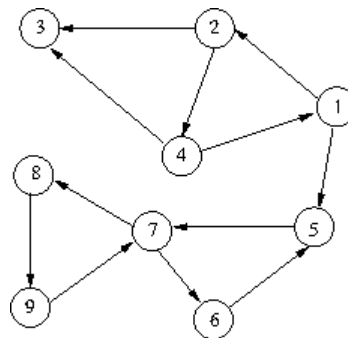


**Exercise 1** Find the articulation points in the following graph. Report the DFS tree by starting from node 5 and choosing the nodes for traversal in increasing order of the labels.



**Figure 1** – Graph 1

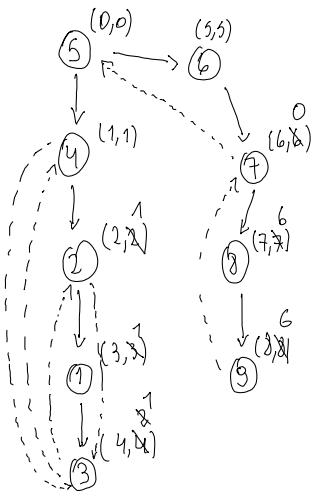
**Exercise 2** Find the strongly connected components in the following directed graph. Report the DFS tree by starting from node 5 and choosing the nodes for traversal in increasing order of the labels.



**Figure 2** – Graph 2

**Exercise 3** Solve the problem *Telephone* in EA2025.PL in Mooshak.

1



AP: 4, 7, 5, {5, 4}

2

$CC = \{5, 7, 6, 8, 9\}, \{3\}, \{1, 2, 4\}$

4  
5  
2  
4

