

Data Structure Assignment 6

Paper Homework

1. Show that given that $|V(G)| = n$, a spanning tree has $n-1$ edges.
2. Given a dfs spanning tree(Figure6.20(b)), complete the following table of it.

Vertex	0	1	2	3	4	5	6	7	8	9
<i>dfn</i>										
<i>low</i>										

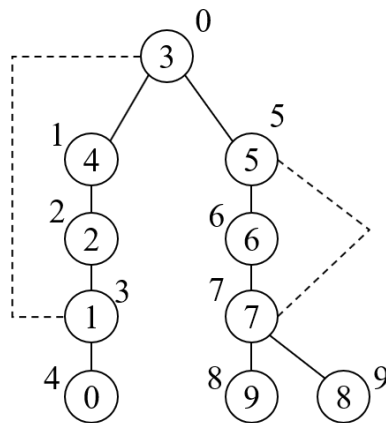


Figure 6.20(b)

General Information

- Deadline : **2019/12/18** (Please submit to TA after class.)
- **Notice** : You won't get any point if you only write the answer, please list your process and reason.
- Late homework will not be accepted.
- Please write on **A4** papers, if there is more than one page, staple them together, and write your student id & name on each page.
- Any copies will be scored as zero. Do not plagiarize.