

BST and Graph

(For task 01 & 02, you may want to create a binary search tree (**BST**) manually.
Task 03 is a **hand-written in-class** submission task)

1. Write a method that **RECURSIVELY** searches and finds an integer from a given binary search tree (**BST**).
2. Write a method that **RECURSIVELY** prints all the elements of a binary search tree in a sorted order.
3. An adjacency matrix is given below:

	A	B	C	D	E	F	G
A	0	1	0	1	1	0	0
B	0	0	0	0	0	0	1
C	0	1	0	0	0	0	0
D	0	0	1	0	0	0	1
E	0	0	0	0	0	0	0
F	0	0	0	1	0	0	0
G	0	0	0	0	1	1	0

- a) Draw the equivalent graph.
- b) Simulate BFS algorithm on the output of a.
- c) Simulate DFS algorithm on the output of a.