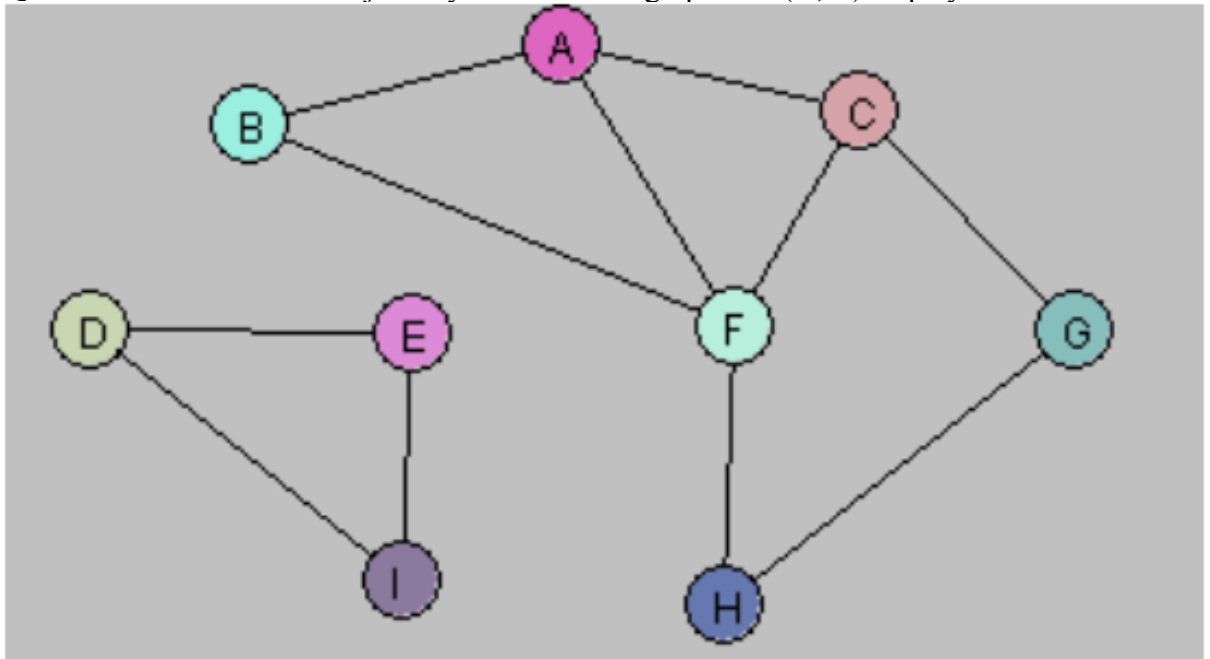


Course: Algorithm
Prof. Prem Nair
Student: Binh Van Tran
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Homework: Lab 13

1. **Question 1** – What is the adjacency matrix of the graph $G = (V, E)$ displayed below



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

2. **Question 2** – Create a Java program to find all components of a graph using DFS
 (See *GraphComponent.java*)
 3. **Question 3** – Create a Java program to find all components of a graph using BFS
 (See *GraphComponent.java*)