

Laboratory practice No. 5: Graphs

Abelino Sepúlveda Estrada
Universidad Eafit
Medellín, Colombia
asepulvede@eafit.edu.co

Juan Pablo Madrid Florez
Universidad Eafit
Medellín, Colombia
jpmadridf@eafit.edu.co

Andrés Gómez Arango
Universidad Eafit
Medellín, Colombia
agomez10f@eafit.edu.co

3) Practice for final project defense presentation

3.1 We know that an AdjacencyList graph uses $O(n)^2$ of memory, then, we have 300000 vertex and this is $300000^2 = 90000000000$ bytes

3.5 $O(n)^2$

3.6 Where n is the numbers of vertex of the graph

4) Practice for midterms

4.1

	0	1	2	3	4	5	6	7
0				1	1			
1	1		1			1		
2		1			1		1	
3								1
4			1					
5								
6			1					
7								

4.2 0 -> [3,4]

1 -> [0,2,5]

2 -> [1,4,6]

3 -> [7]

4 -> [2]

5 -> []

6 -> [2]

7 -> []

4.3 b

4.4 ii, i

PhD. Mauricio Toro Bermúdez

Professor | School of Engineering | Informatics and Systems

Email: mtorobe@eafit.edu.co | Office: Building 19 – 627

Phone: (+57) (4) 261 95 00 Ext. 9473

5) Recommended reading (optional)

Mapa conceptual

6) Team work and gradual progress (optional)

6.1 Meeting minutes

6.2 History of changes of the code

6.3 History of changes of the report

PhD. Mauricio Toro Bermúdez

Professor | School of Engineering | Informatics and Systems

Email: mtorobe@eafit.edu.co | Office: Building 19 – 627

Phone: (+57) (4) 261 95 00 Ext. 9473