

Last name	
First name	
Group	

Grade	
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Algorithmics
Undergraduate 2nd year (S3)
Final Exam #3 (P3)
16 December 2016 - 9 : 30
Answer Sheets

1	
2	
3	
4	
5	

Answers 1 (Connections by and large... – 4 points)

1. Is it true ? YES NO

Justify your answer:

2. Give three conditions that G must necessarily check to be a kinship graph:

3. Graph 1 ? YES NO Graph 2 ? YES NO

Answers 2 (Implementation and questions... – 2 points)

1. The transitive closure of G is a _____ graph:

a)

b)

2. The Depth-First Search postorder list of vertices of G is:

Answers 3 (Red-Black Trees and Mystery – 3 points)

1.

	<i>Returned result</i>	<i>Call number</i>
(a) <code>whatIsThis(B_1)</code>		
(b) <code>whatIsThis(B_2)</code>		

2. What measure does `whatIsThis(B)` calculate?
