

Last name	
First name	
Group	

Grade	
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Algorithmics
Undergraduate 2nd year (S3)
Final Exam #3 (P3)
18 December 2018 - 9 : 30
Answer Sheets

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6	

Answers 1 (Warshall - Union-Find – 3 points)

1. Connected components (vertex sets):

C_1 : _____

C_2 : _____

...: _____

...: _____

...: _____

...: _____

2. Which vectors could correspond to the result?

☐

P_1

☐

P_2

☐

P_3

☐

P_4

Answers 2 (In the depth of the spanning forest – 2 points)

Spanning forest and extra-edges for the depth-first search of the graph in figure 1:

Answers 6 (What is this? – 3 points)

1. Result returned by `what(G_4)`:

`lc` =

	0	1	2	3	4	5	6	7	8	9	10	11	12	13
<code>d</code>														

2. d represents:

3. lc represents:
