

Last name	
First name	
Group	

Grade	
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Algorithmics
Undergraduate 2nd year - S3#
Midterm #3 (C3)
17 March 2021 - 9 : 30
Answer Sheets

1	
2	
3	
4	
5	

Answers 1 (The final frontier – 2 points)

1. Linear probing ($d = 3$) :

0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

2. hashing with separate chaining:

0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Answers 2 (Representations – 3 points)

1. Adjacency matrix of the graph G : V (Vrai = True) for a link, nothing if there is no link

	0	1	2	3	4	5	6	7	8
0									
1									
2									
3									
4									
5									
6									
7									
8									

2. is the graph G (a) connected? YES - NO (b) complete? YES - NO

3. The degree array of G 's vertices:

	0	1	2	3	4	5	6	7	8
degree									

