

Practical assignment 2

Algorithms & Datastructures

Carlo Jessurun s1013793

Tony Lopar s1013792

Nijmegen, January 8, 2018

Frits Vaandrager

Joshua Moerman

2017-2018

Radboud University Nijmegen

Contents

1	Explanation	3
1.1	Load and transform input	3
1.2	Algorithm	4
1.2.1	Building the Minimum spanning Tree	4
1.2.2	Fixing the last edge	4
1.3	Writing output	4
2	Analysis	5
2.1	Correctness	5
2.1.1	Load and transform input	5
2.1.2	Building the MST	5
2.1.3	Fixing the last edge	5
2.1.4	Writing output	5
2.2	Complexity	6
2.2.1	Load and transform input	6
2.2.2	Building the MST	6
2.2.3	Fixing the last edge	6
2.2.4	Writing output	6
3	Reference	6

1 Explanation

1.1 Load and transform input

1.2 Algorithm

1.2.1 Building the Minimum spanning Tree

1.2.2 Fixing the last edge

1.3 Writing output

2 Analysis

2.1 Correctness

In this section we will discuss the Correctness of the processes.

2.1.1 Load and transform input

2.1.2 Building the MST

2.1.3 Fixing the last edge

2.1.4 Writing output

2.2 Complexity

2.2.1 Load and transform input

2.2.2 Building the MST

2.2.3 Fixing the last edge

2.2.4 Writing output

3 Reference