

3 **1 Title of the Report**

4 *Your Name*

5 **Abstract**

---

6 A short summary of the report.

7 Here is the content of the report.

8 **1.1 Section of the Report**

9 **1.1.1 Subsection of the Report**

10 **1.1.1.1 Please do not use Paragraphs!**

Seminar “Algorithmic Methods  
in the Humanities”

■ **Figure 1** This is a description of the figure: a short description what you can see here.

11 In Figure 1 you can see some text.

■ **Table 1** Tables have headers.

Cell11	Cell12	Cell13
Cell21	Cell22	Cell23
Cell31	Cell32	Cell33

**Input :** Set  $\mathcal{C}$  of all cycles in  $G = (V, E)$ .

**Output :** Cycle basis of minimal weight of  $G$ .

Sort  $\mathcal{C}$  in ascending order by weight to  $C_1, \dots, C_k$ ;

$\mathcal{B}^* \leftarrow \emptyset$ ;

**for**  $i = 1$  **to**  $k$  **do**

12     **if**  $\mathcal{B}^* \cup \{C_i\}$  *linearly independent* **then**

$\mathcal{B}^* \leftarrow \mathcal{B}^* \cup \{C_i\}$ ;

**end**

**end**

**Algorithm 1 :** Greedy

13 ► **Theorem 1** (Title of the theorem (optional)). *The statement of the theorem.*

14 **Proof.** The proof of the theorem. ◀

15 ► **Example 2.** This is an example.

16 ► **Lemma 3** (Title of the lemma (optional)). *The statement of the lemma.*

17 ► **Corollary 4** (Titel des corollary (optional)). *A corollary.*

18 ► **Definition 5** (Title of the definition (optional)). Content of the definition.

19 The first example [1], the second example [3] and the third example [2, 4] for a reference.

## 20 1.2 Second Section

21 ► **Definition 6** (Title of the definition (optional)). Content of the definition.

## 22 References

- 23 **1** Akihisa Kako, Takao Ono, Tomio Hirata, and Magnús M Halldórsson. Approximation  
24 algorithms for the weighted independent set problem in sparse graphs. *Discrete Applied*  
25 *Mathematics*, 157(4):617–626, 2009.
- 26 **2** Gabriele Neyer and Frank Wagner. Labeling Downtown. In *Algorithms and Complexity*,  
27 volume 1767 of *LNCS*, pages 113–124. Springer, 2000.
- 28 **3** Sebastian Seibert and Walter Unger. The Hardness of Placing Street Names in a Manhattan  
29 Type Map. In *Algorithms and Complexity*, volume 1767 of *LNCS*, pages 102–112. Springer,  
30 2000.
- 31 **4** Alexander Wolff and Tycho Strijk. The Map Labeling Bibliography. <http://liinwww.ira.>  
32 [uka.de/bibliography/Theory/map.labeling.html](http://liinwww.ira.uka.de/bibliography/Theory/map.labeling.html), 2009.