

AARHUS UNIVERSITY

ALGORITHM ENGINEERING

Project report

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Chapter 1

Binary Search

1.1 Introduction



FIGURE 1.1: Bla bla bla.

- Linear search
- Inorder

- BFS
- DFS
- vEB

In [1] it is mentioned that...

Chapter 2

The name of chapter 2

2.1 A headline

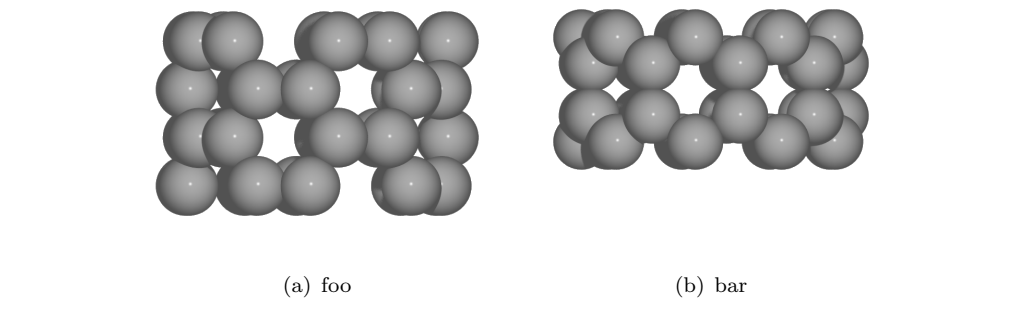


FIGURE 2.1: Look, a foobar!

The foo and bar is shown side by side in figure [2.1](#)...

Blablalbalalkbjalkjdf.

The cool data is shown in table [2.1](#)...

N_{cap}	10	11	12	13	14	15	16
$E_{\text{cap}, N_{\text{cap}}} \text{ [eV]}$	-45.505	-45.968	-45.981	-46.250	-46.181	-46.450	-46.303
	17	18	19	20	21	22	23
	-46.506	-46.390	-46.611	-46.471	-46.692	-46.552	-46.622
	24	25	26	27	28	29	30
	-46.554	-46.652	-46.570	-46.690	-46.612	-46.670	-46.645

TABLE 2.1: A table, bla bla bla.

Chapter 3

The name of chapter 3

3.1 A headline

3.1.1 A subsection headline

Awesome code:

```
#include <iostream>
using namespace std;
int main()
{
    cout << "Hello World!" << endl;
    return 0;
}
```

$$a = \log \left(1 + \sum_{k=1}^n \frac{b_k}{k} \right) \tag{3.1}$$

From [\(3.1\)](#) it is seen that...

Bibliography

- [1] Gerth Stølting Brodal, Rolf Fagerberg, and Riko Jacob. Cache-oblivious search trees via binary trees of small height. *In Proc. 13th Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, pages 39–48, 2002.