## **Chapter 5**

## Reserves Recitation.

## 5.1

Another sorting algorithms, that it's correctness isn't so obivoius.

```
Result: returns the multiplication x\cdot y where x,y\in\mathbb{F}_2^n for i\in[n] do

2 | for j\in[n] do

3 | if A_j< A_i then

4 | swap A_i\leftrightarrow A_j

5 | end

6 | end

7 end
```

```
Result: returns the multiplication x\cdot y where x,y\in\mathbb{F}_2^n 2 if x,y\in\mathbb{F}_2 then
```