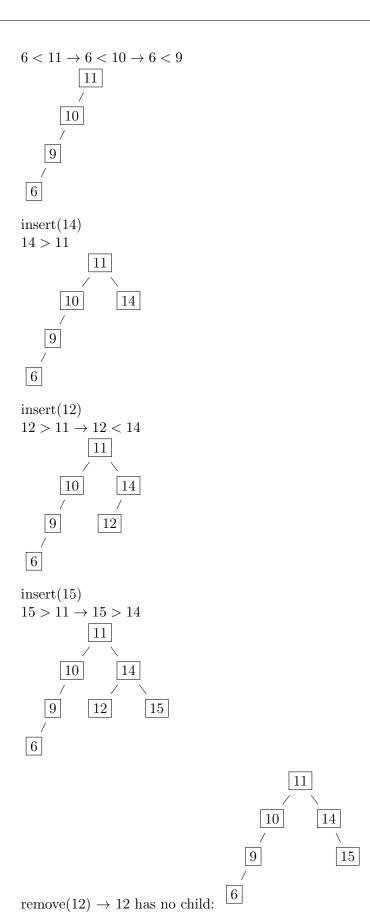
Encoding II, Algorithms and Data Structures

Exercise 1: IEE 754 Number format

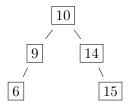
Exercise 2: ASCII

```
a) S = 53_{16}, k = 6B_{16}, I = 49_{16}: "SkI" = 536B49_{16} = 101\,0011\,0110\,1011\,0100\,1001_2
```

Exercise 3: Binary Search Trees



remove(11) \rightarrow 11 has two childs: replace 11 with the most right element of the left child (the 10) and remove the child, because 10 has one child on the left side move this child to the left side of the root:



Exercise 4: Hashing

- a) 13???