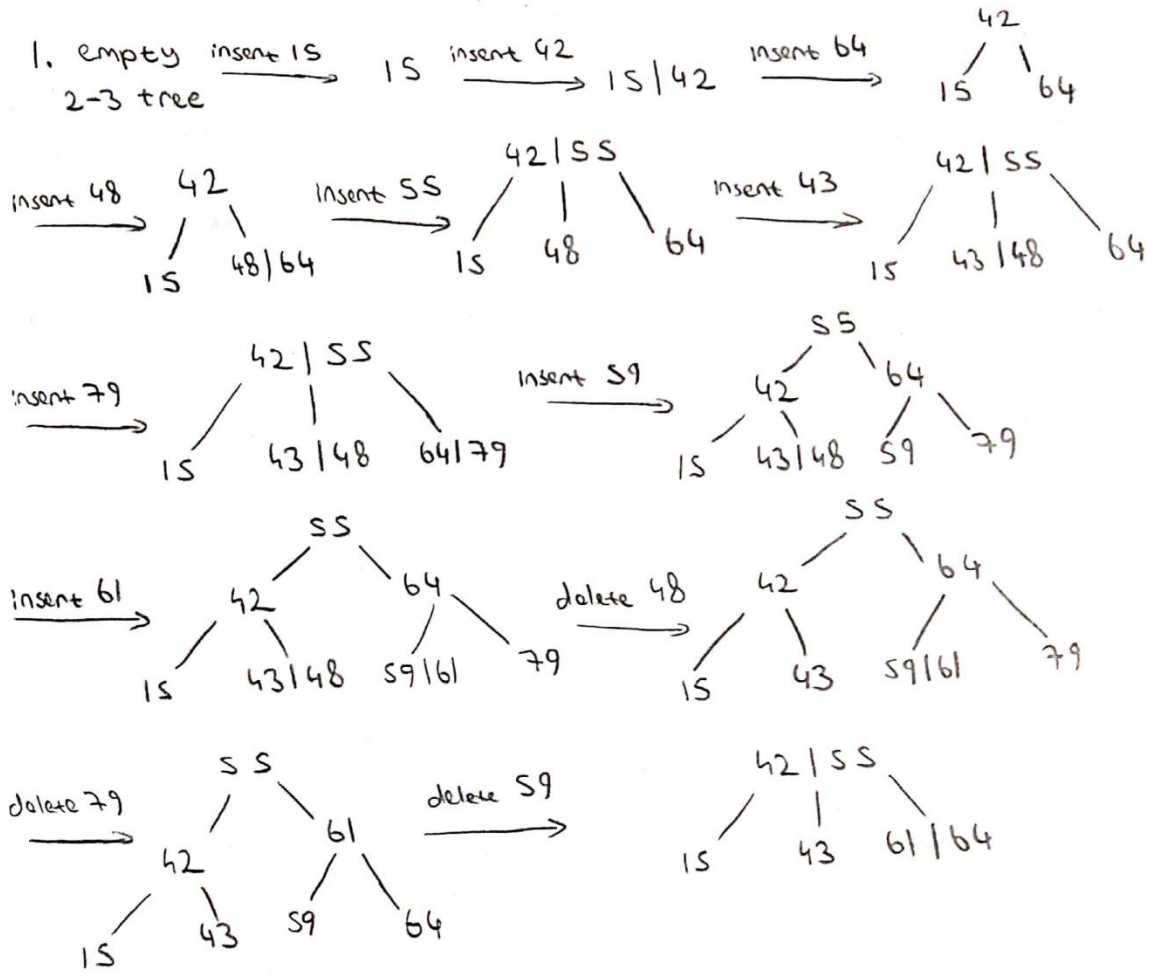
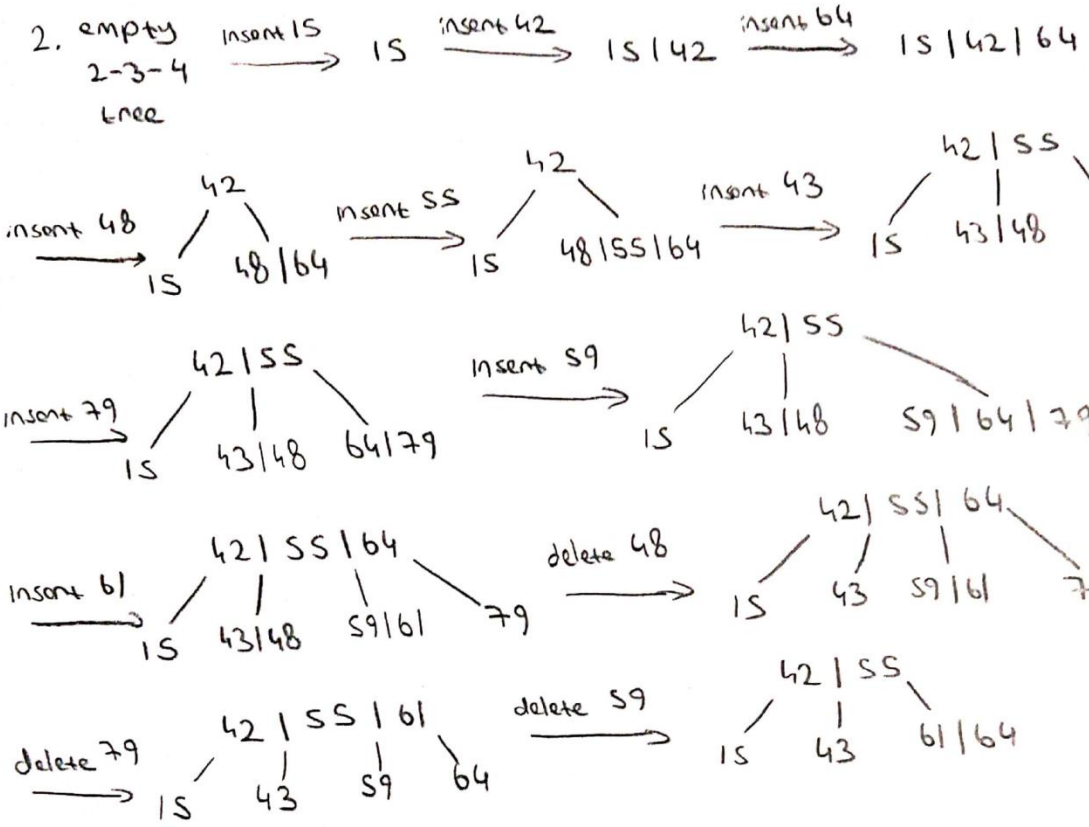
Cemhan Kaan Özaltan
21902695
Section 3

Homework 4 Report

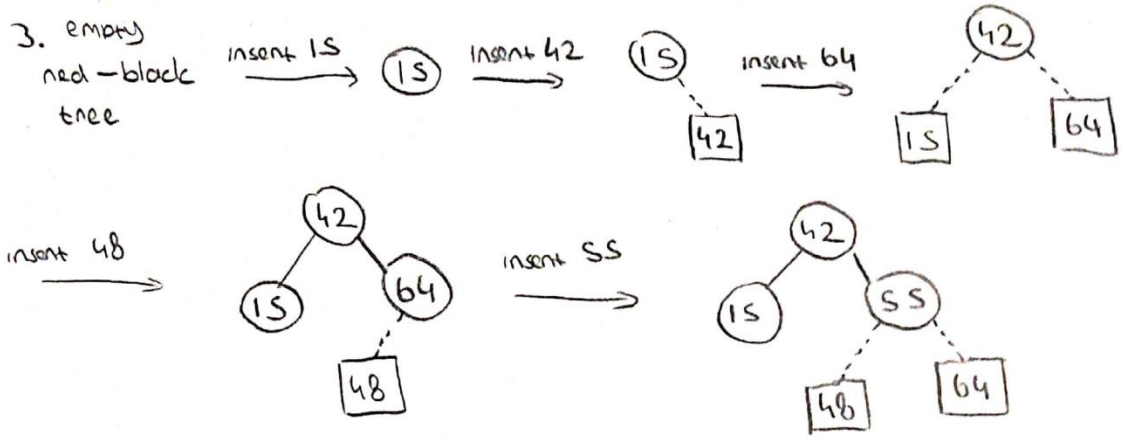
Question 1

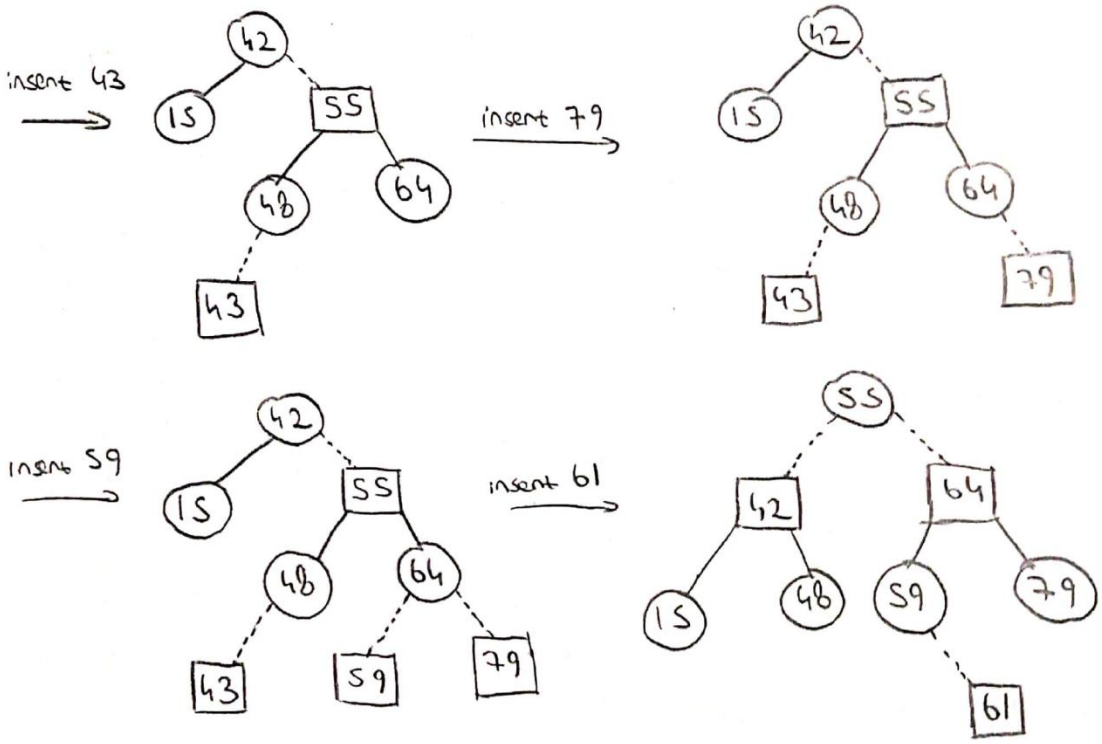


2. empty 2-3-4 tree



3. empty red-black tree





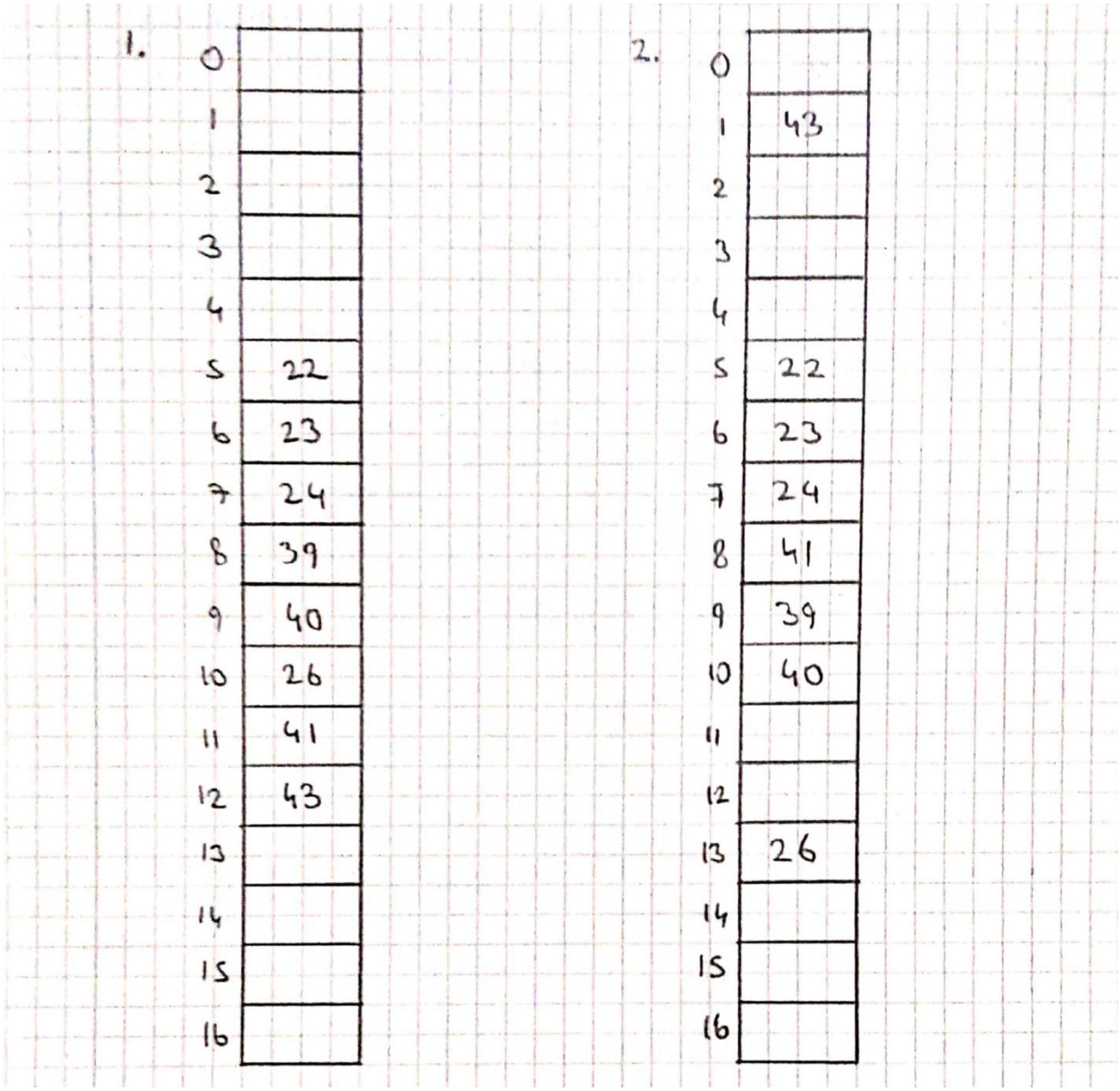
Circle node: black

Square node: red

Straight line: black pointer

Dashed line: red pointer

Question 2


1.
0
1
2
3
4
5 22
6 23
7 24
8 39
9 40
10 26
11 41
12 43
13
14
15
16
2.
0
1 43
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3
4
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6 23
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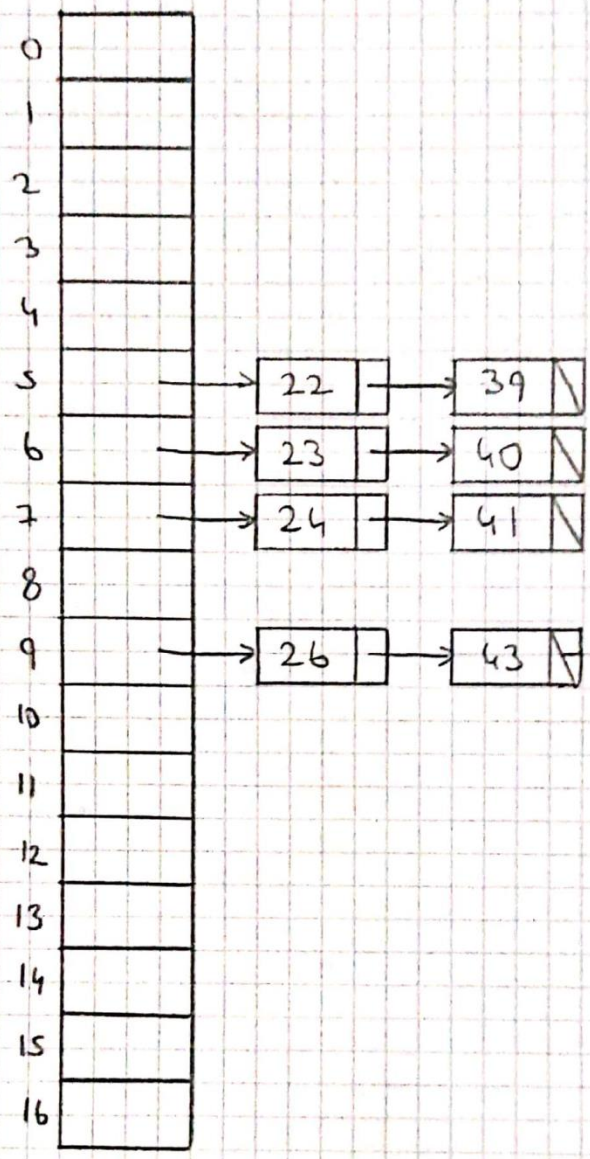
8 41
9 39
10 40
11
12
13 26
14
15
16

3.