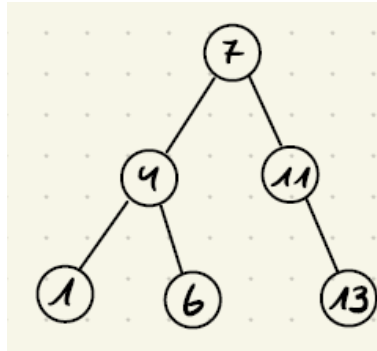


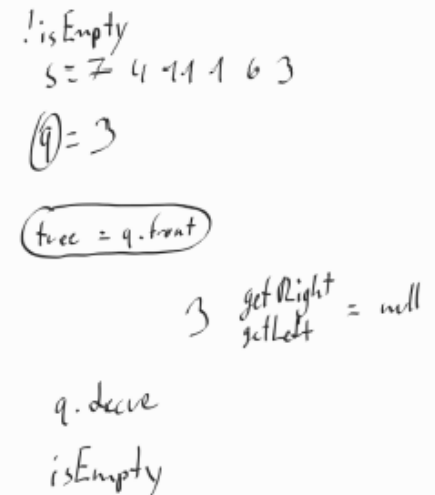
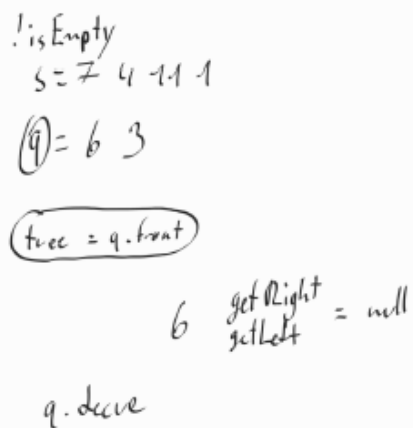
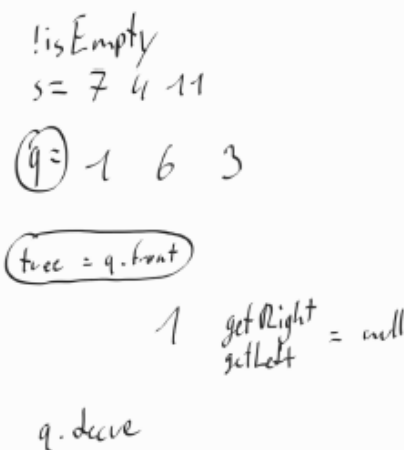
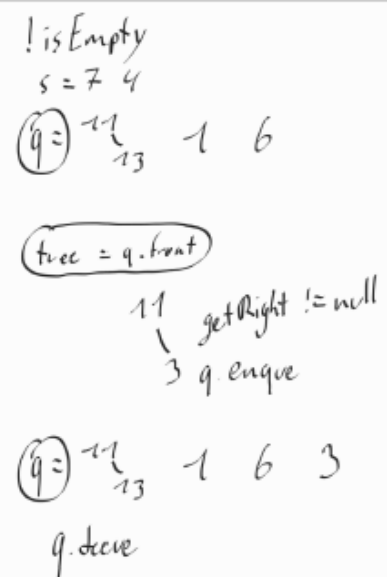
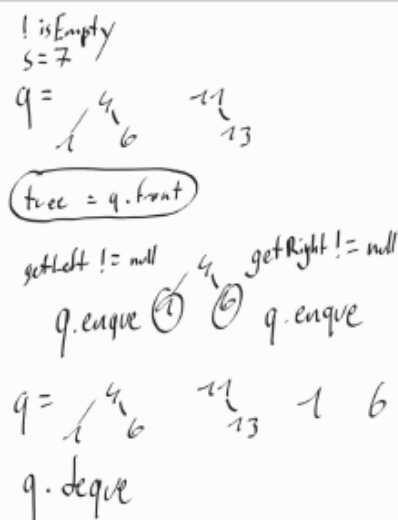
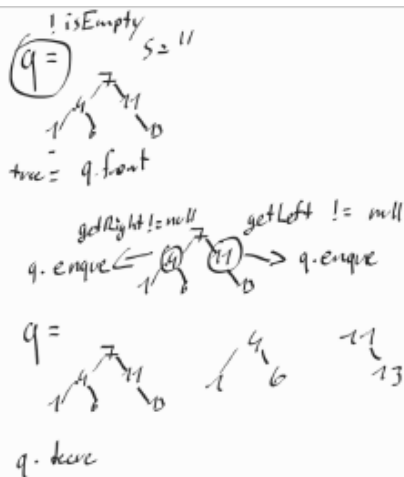
BinaryTree <Content Type>

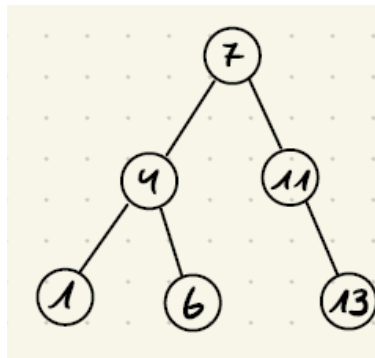
Levelorder am Beispiel

2 Versionen



mit Queue





mit givelevel

hier 3
↓

- for-Schleife ($i=1; i \leq \text{height}; i++$)
- $s = s$ (hier " " + giveLevel(i (hier) 1))
 - ↳ isEmpty → X
 - level = 1 → true → return getContent → hier 7 + " "
- $s = " " + 7 + " "$
- for-Schleife ($i=2; i \leq 3; i++$)
- $s = " " + 7 + " " + \text{giveLevel}(2)$
 - ↳ isEmpty → X
 - level = 1 → X
 - return leftTree.giveLevel(level-1-1) + rightTree.giveLevel(1)
 - ↳ isEmpty → X
 - level = 1 → return getContent (hier 4) + " "
 - ↳ isEmpty → X
 - level = 1 → return getContent (hier 11) + " "
- $s = " " + 7 + " " + 4 + " " + 11 + " "$
- for-Schleife ($i=3; i \leq 3; i++$) → letzter Durchgang
- $s = " " + 7 + " " + 4 + " " + 11 + " " + \text{giveLevel}(3)$
 - ↳ isEmpty → X
 - level = 1 → X
 - return leftTree.giveLevel(2) + rightTree.giveLevel(2)
 - ↳ isEmpty → X
 - level = 1 → X
 - return leftTree.giveLevel(1)
 - ↳ isEmpty → X
 - level = 1 → return getContent (hier 1)
 - ↳ isEmpty → X
 - level = 1 → return getContent (hier 6)

kleiner Fehler

rightTree.givelevel (mit Content „6“) bzw. leftTree.givelevel (leer) fehlen und ganz rechts die Ausgabe ist „13“, wodurch sich ergibt:

$s = „7 4 11 1 6 13“$

→

$s = " " + 7 + " " + 4 + " " + 11 + " " + 1 + " " + 6 + " "$