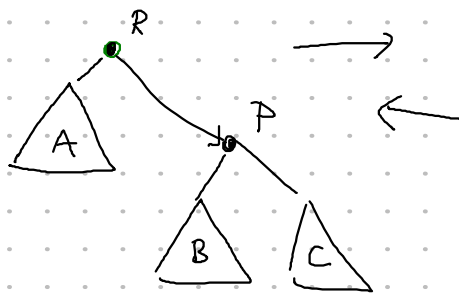
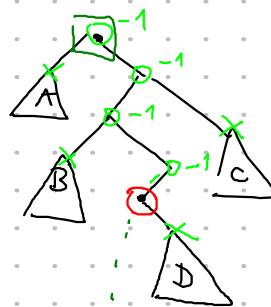
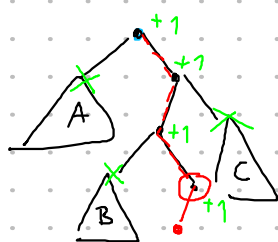
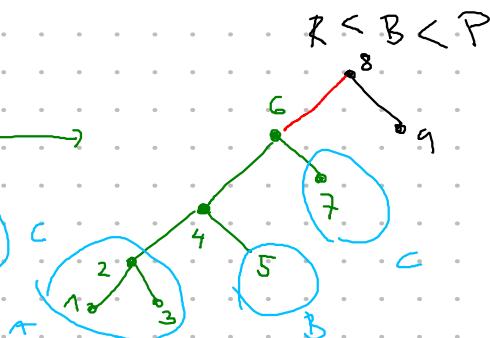
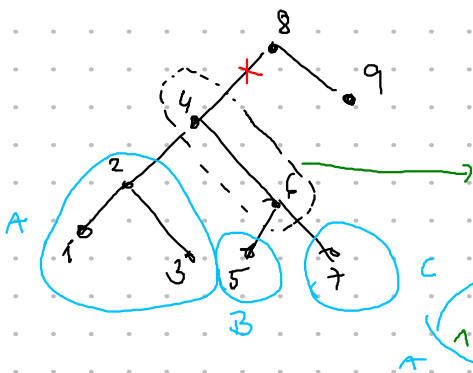
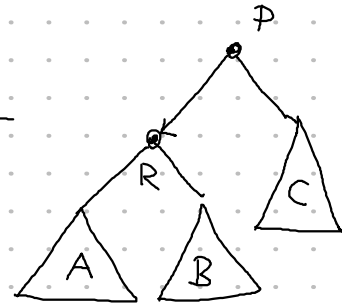


L-ROTATE(P) $R < P$



R-ROTATE(P)



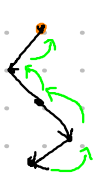
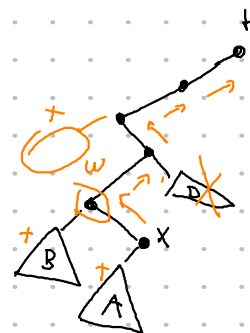
z.count w.count

z w

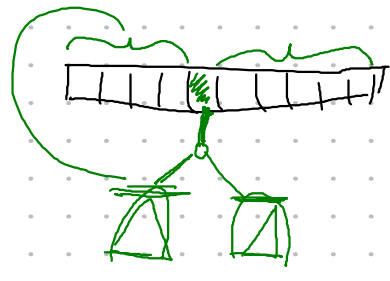
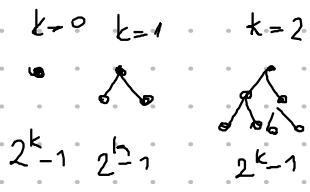
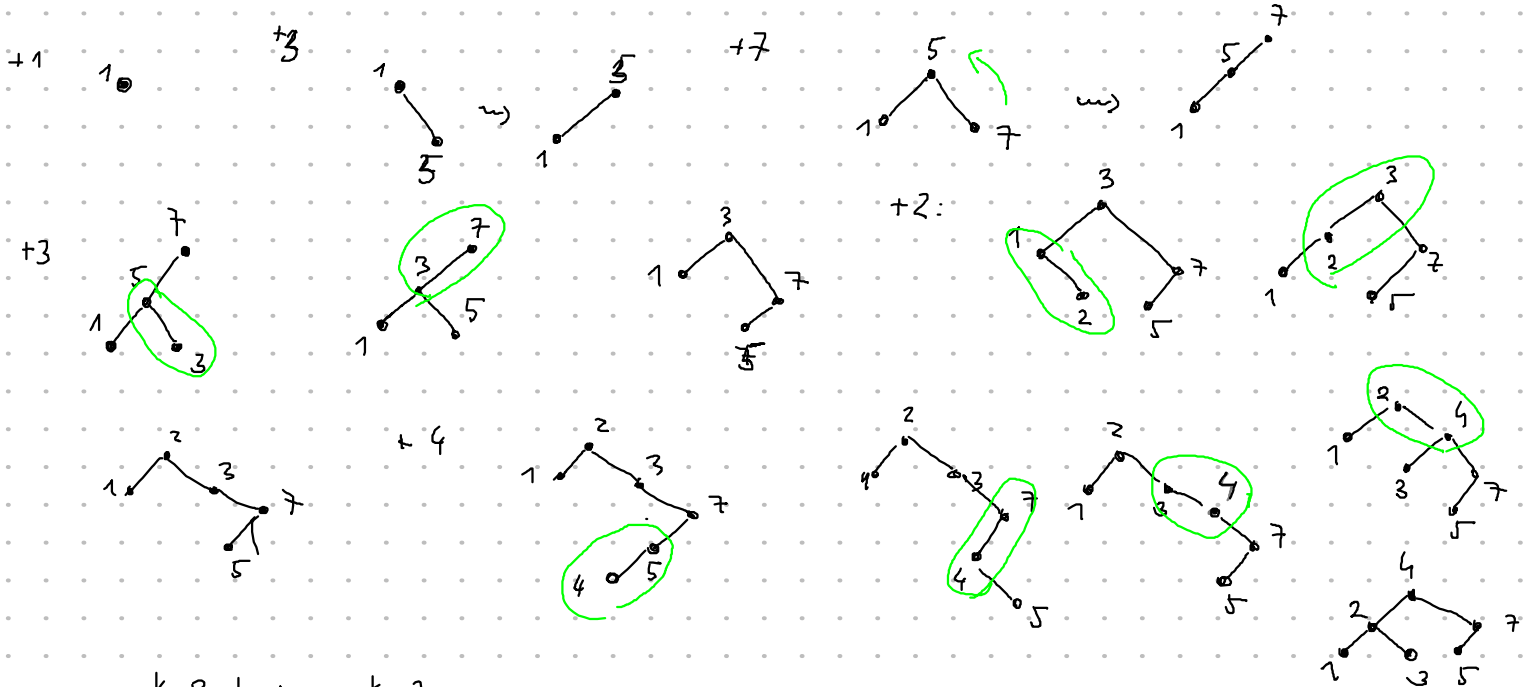


$< k-1 \rightarrow$ pokračujeme v B,
 $(k - x.left.count - 1)$ poř. stát.

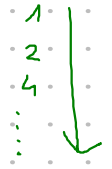
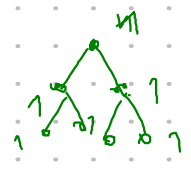
$> k-1$
 \rightarrow pokračujeme v A,
 $> k$ -tou poř. stát.



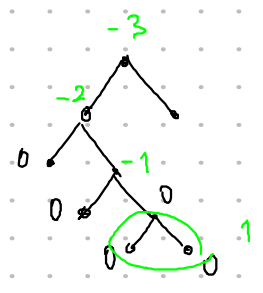
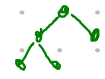
1, 5, 7, 3, 2, 4



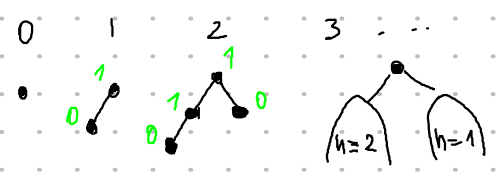
$\theta(n)$
 $T(n) = 2T(n/2) + O(1)$
 $T(1) = 1$ $O(1/4)$
 $T(n) = \theta(n)$
 $\theta(n)$



$\theta(n)$



AVL tree



$T(h) = T(h-1) + T(h-2) + 1$
 $T(0) = 1$
 $T(1) = 2$

1, 2, 4, 7, 12, 20, 33 ... exp. $c \cdot \log n$

0, 1, 1, 2, 3, 5, 8, ... $F(n)$ exp $\sqrt{5}$



$$\begin{pmatrix} L - P \\ (+1) \\ (-1) \end{pmatrix}$$