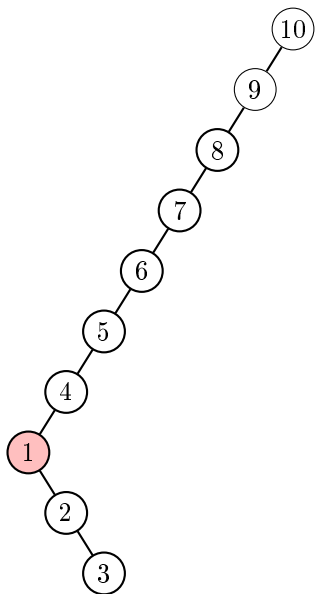
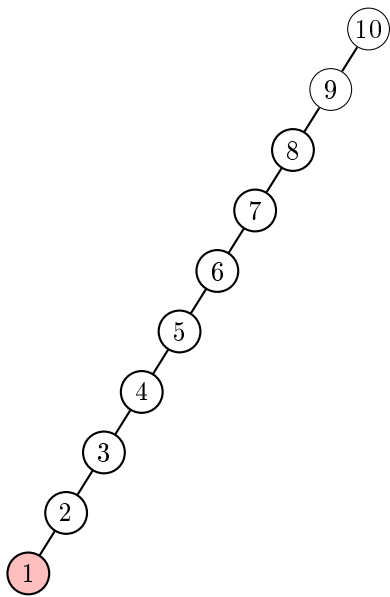
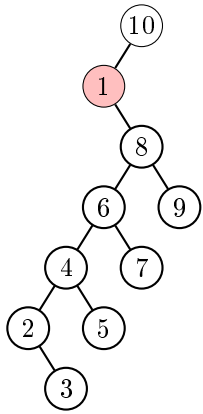
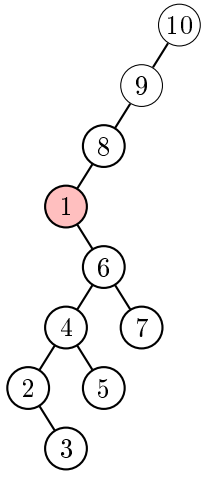
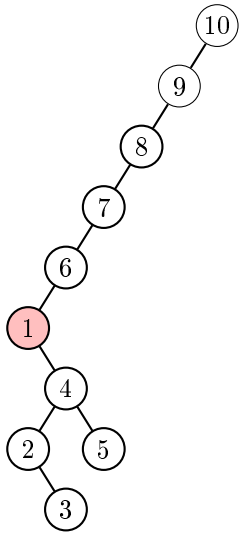
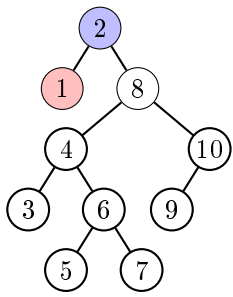
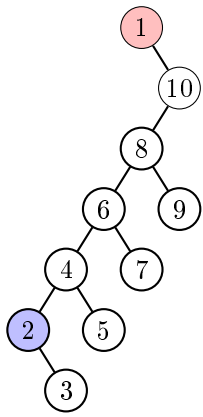


Example for using binTreeDL2TikZ

A splay tree example from 'Kozen' (Example 12.1, p. 60)







Instructions for the binTree-Description-Language

Instructions for tree representation

<code>new_tree</code>	Generate a new binary tree (current tree will be lost).
<code>draw_tree</code>	Will draw current tree (tikzpicture).
<code>highlight_red_node(<number>)</code> <code>highlight_green_node(<number>)</code> <code>highlight_blue_node(<number>)</code>	Three instructions to highlight a node permanently.
<code>dont_highlight_node(<number>)</code>	Don't highlight node <number>.
<code>dont_highlight_all</code>	Don't highlight all nodes in tree.

Instructions for binary trees

<code>add_node(<number>)</code>	Add the node <number> in current tree. Multiple nodes with same number are allowed.
<code>remove_node(<number>)</code>	Remove one node with <number> from tree (replaced by his inorder successor).

Instructions for splay trees

<code>ST_splay_step(<number>)</code>	Apply on splay step for <number> on current tree (Zero, one or two rotations will be performed). Node with <number> need not be an element of the tree!
<code>ST_splay(<number>)</code>	As many splay steps as needed will be applied. Node with <number>, inorder predecessor or inorder successor will be the root after this instruction.
<code>ST_member(<number>)</code>	Synonym for <code>ST_splay(<number>)</code> instruction.
<code>ST_insert(<number>)</code>	Add the node <number> in current tree under the rules for splay trees.
<code>ST_delete(<number>)</code>	Remove one node with <number> from tree under the rules for splay trees.