Polytomise selection

Version 1.1.0, by Giorgio Bianchini

Description: Transforms the selected node into a polytomy.

Module type: SelectionAction

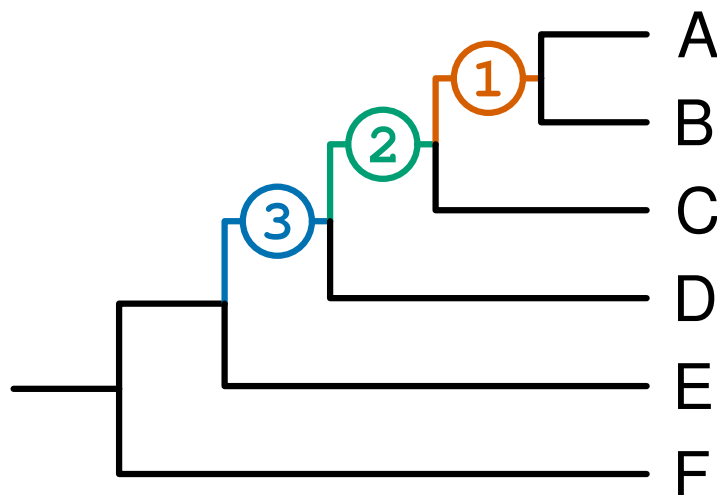**Module ID**: `8202afa4-c9a6-47ac-98d5-dd0190c23f63`

This module is used to apply the *Polytomise node* Further transformation to the selected node.

Note: using this module without installing also the *Polytomise node* module (id `19d9a555-07e6-4dac-afc1-d5ffcef35f76`) may lead to program crashes or unexpected results.
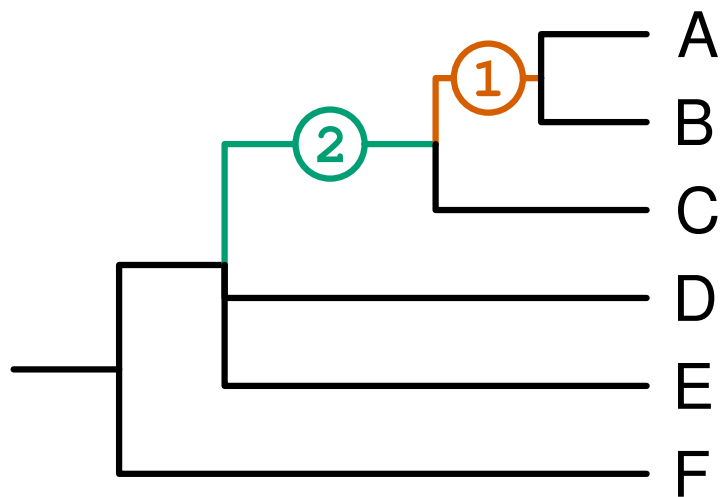
Further information

This module can be used to polytomise the selected node, its direct descendants, all of the descendants, or both the selected node and all of its descendants.
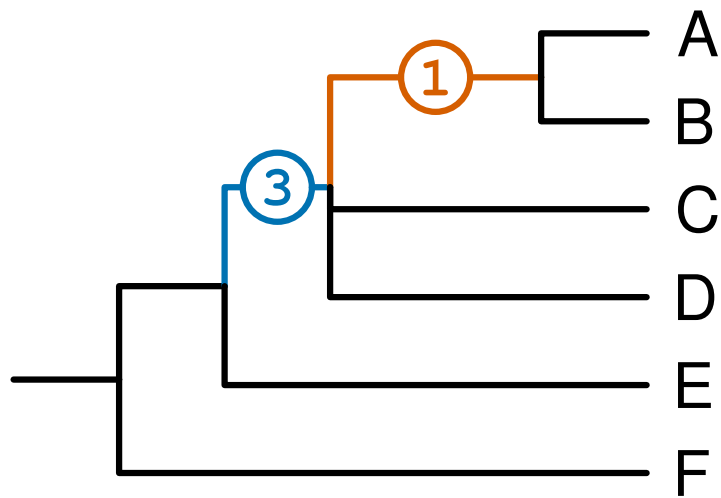
To understand the difference between these options, consider the following tree:
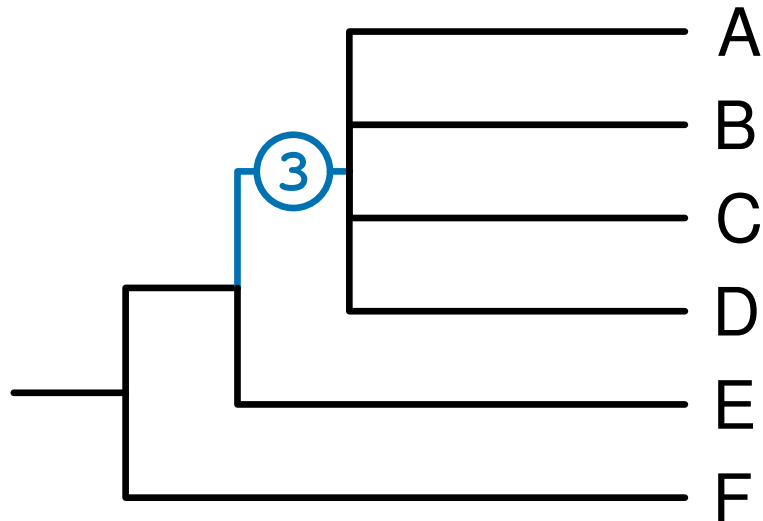

Assume that the currently selected node is 3 (the branch in blue). If the only selected node is polytomised, the result is that branch 3 disappears from the tree:
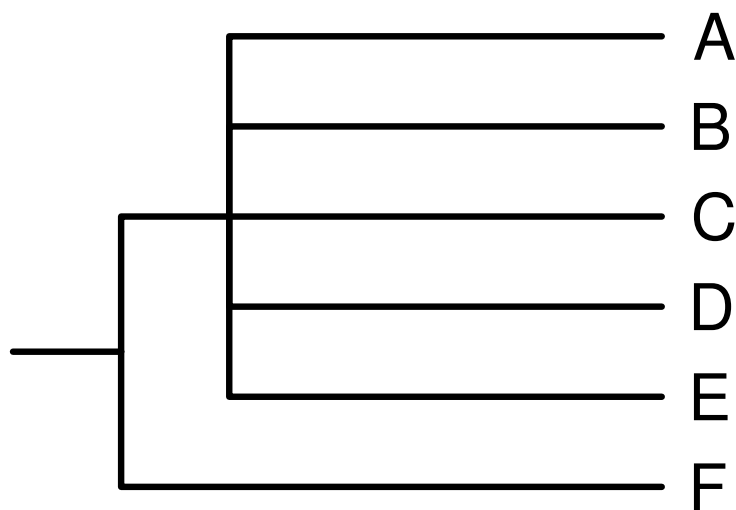
If the direct descendants of the selected node are polytomised, branch `2` (green) disappears instead:

If all the descendants of the selected node are polytomised, branches `1` (orange) and `2` (green) both disappear:

Finally, if both the node and its descendants are polytomised, all three coloured branches disappear:

The default action (i.e. the action performed when the user clicks on the button without explicitly choosing which node to polytomise) depends on the selected node:

- The action cannot be applied to a leaf node.
- If the selected node is a subterminal node (i.e. its children are all leaves), then the selected node is polytomised.
- If the selected node is an internal node (i.e. not all of its children are leaves) or the root node of the tree, then all the descendants of the selected node are polytomised.