a ranked alphabet

arity 2

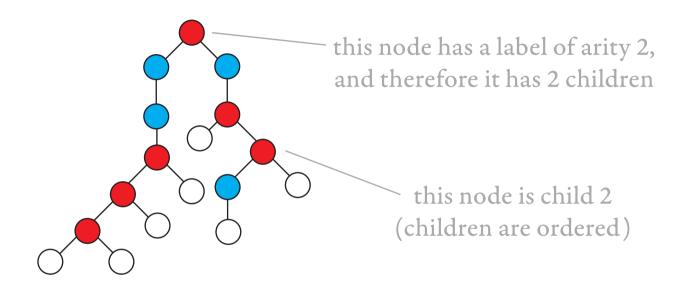


arity 1



arity 0

a tree







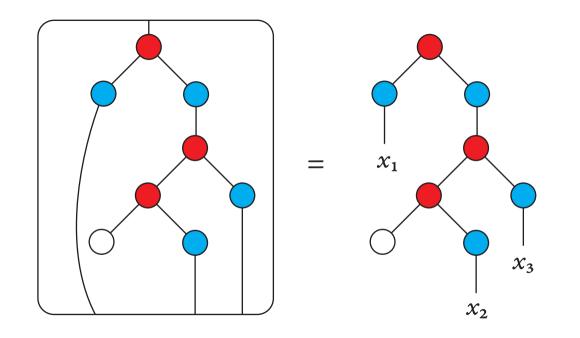


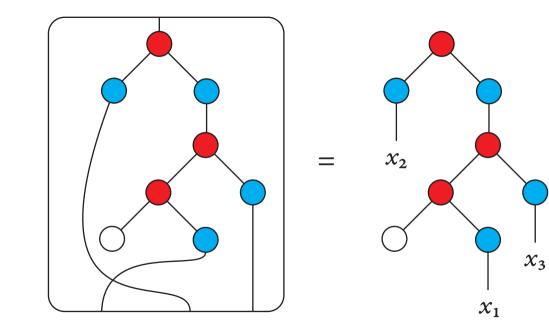


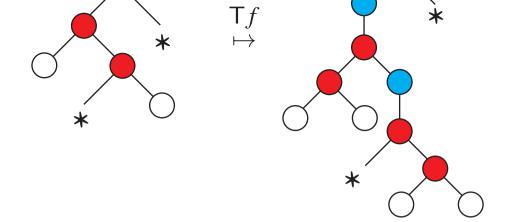
substitute(t)

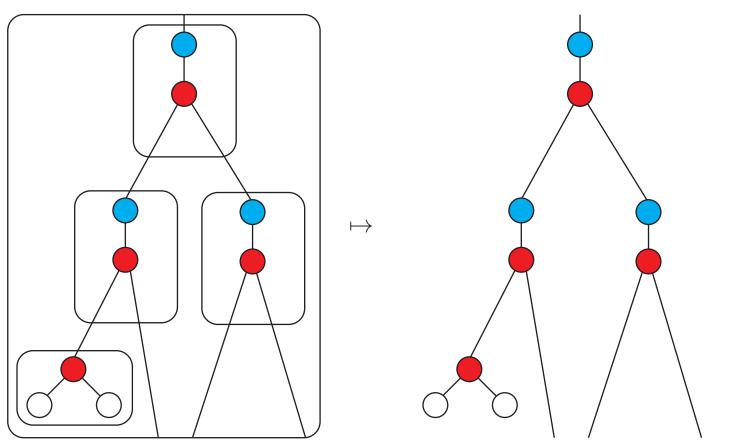




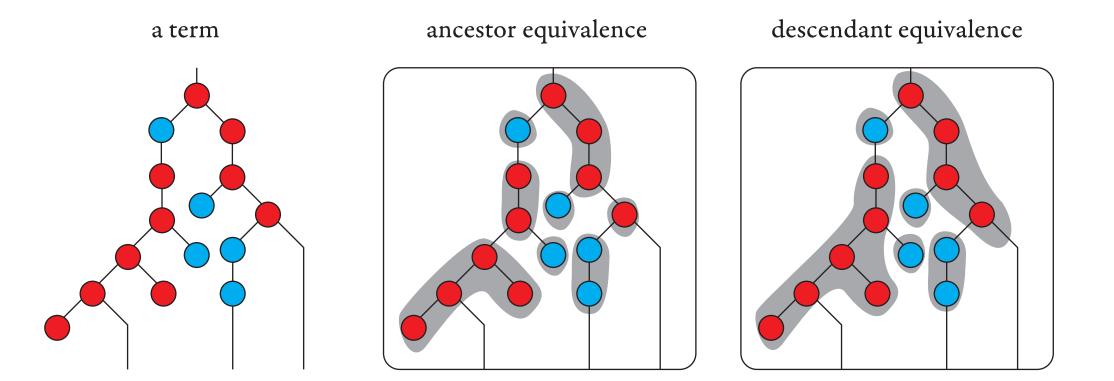














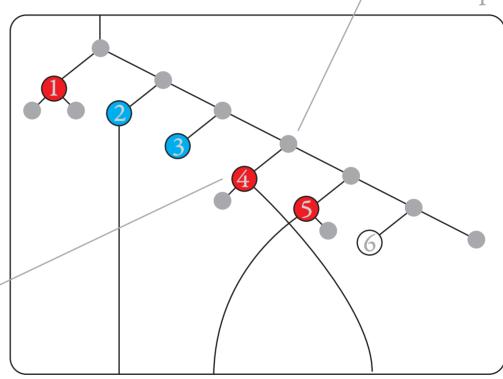
input

2 3 4

number the non-port nodes in the input term according to their appearance in the pre-order traversal

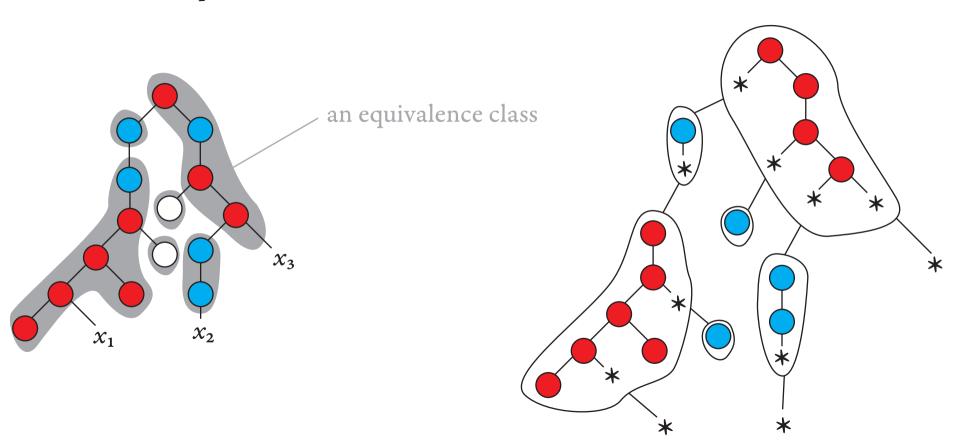
use a copy of the corresponding node, with edges to the ports inherited, and other edges plugged by •

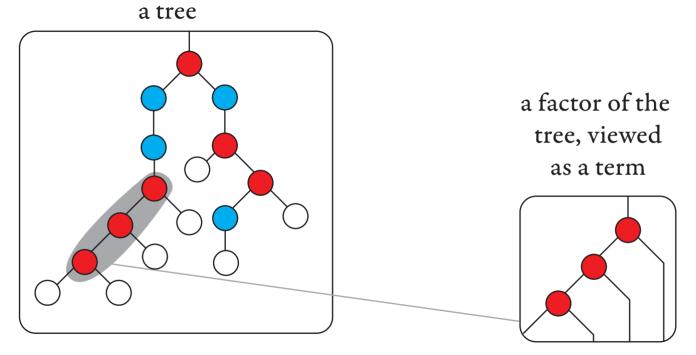
create a binary node for each non-port node in the input term



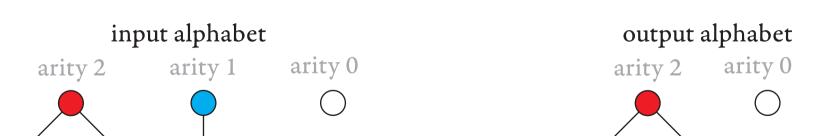
output

a factorisation equivalence







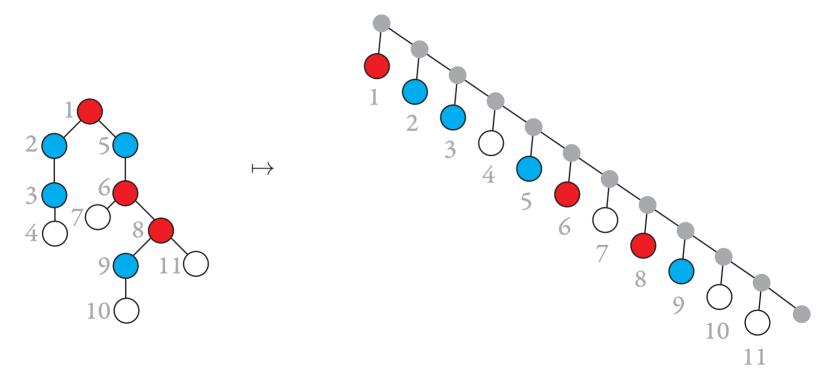






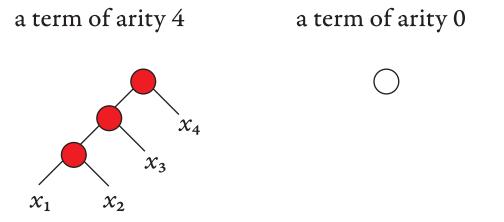


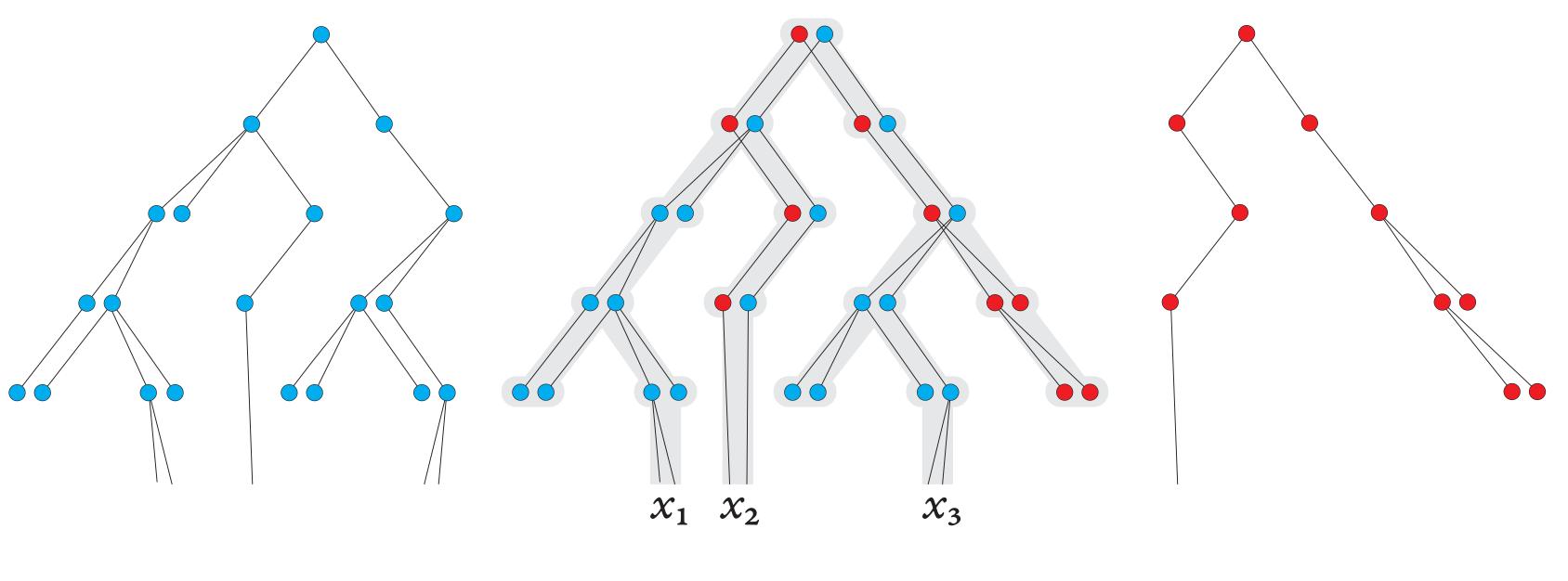




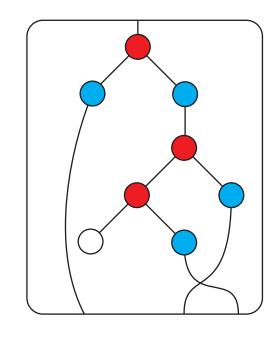




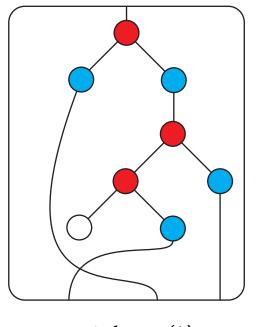








If the root has arity n, and $1 \le i < j \le n$, then all ports of the *j*-th subterm of the root are after all ports of the *i*-th subterm of the root



satisfies (*)

violates (*)

