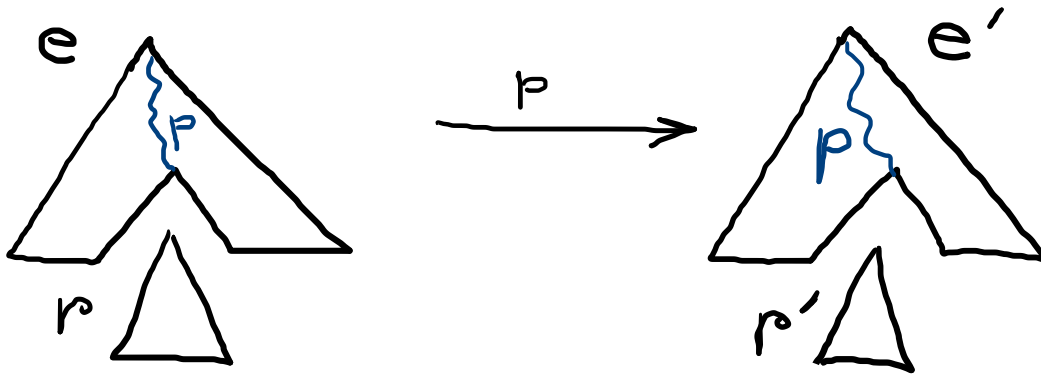
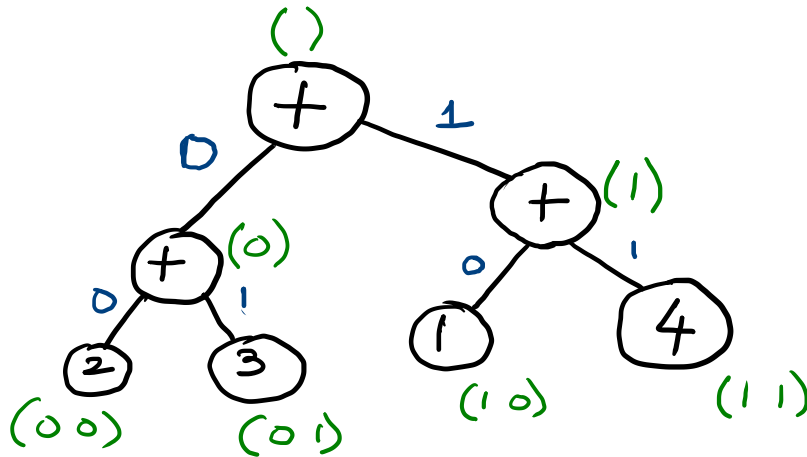




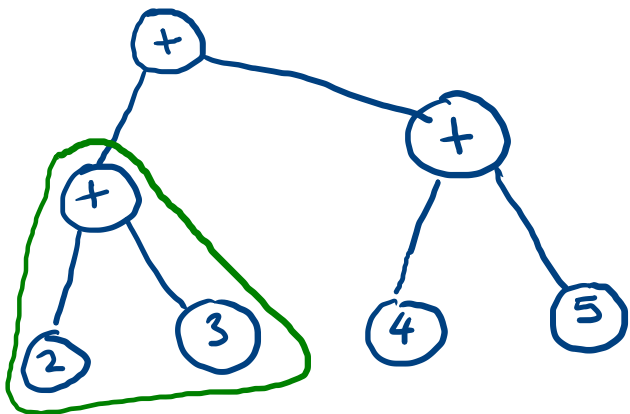
Path Based Reduction

Paths are represented as lists of natural numbers
 Each number denotes the branch position

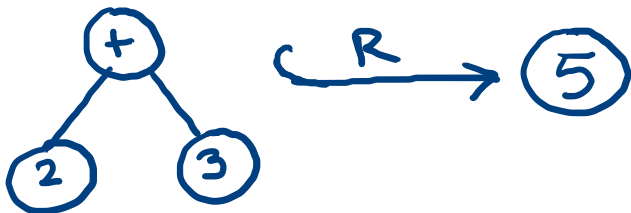
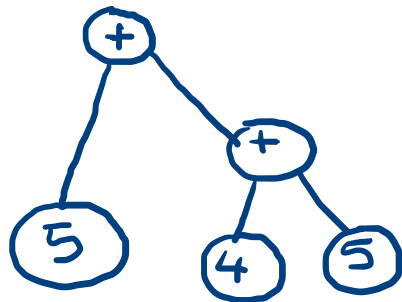


For a branch with arity k , the branches are $0 \dots k-1$

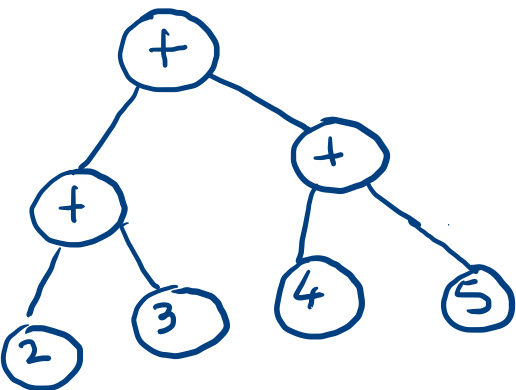
Paths are shown as lists (in green)



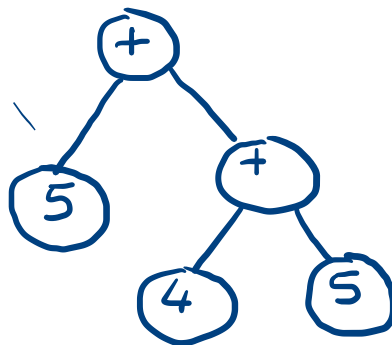
(0) $\rightarrow$



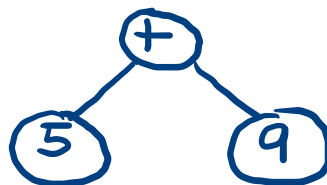
Example of path-based Reduction



(0) $\rightarrow$



(1) $\downarrow$



() $\leftarrow$

14

Example of path-based
Simplification