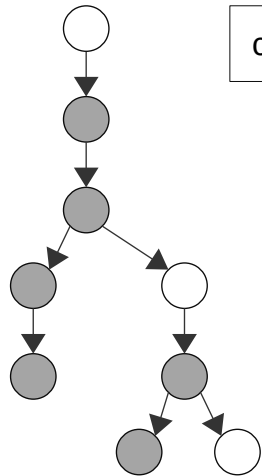


Orig. Collatz tree

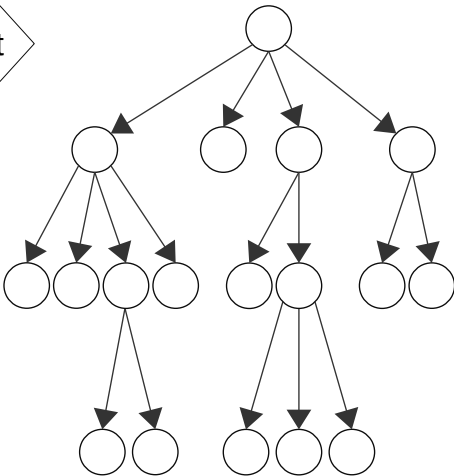
$$H_U, T_C$$



contract

Syracuse tree

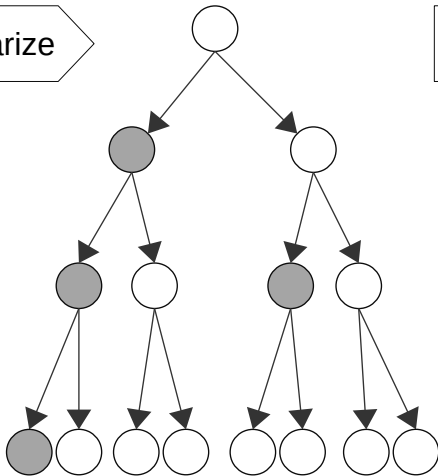
$$H_{C,3}, T_T$$



binarize

Binary tree

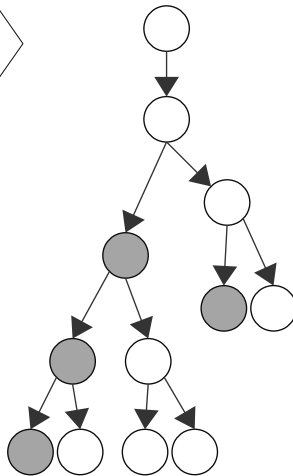
$$T_{\geq 0}$$



prune

Pruned binary tree

$$T_{\geq 1}$$



prune

● even node

● prunable node