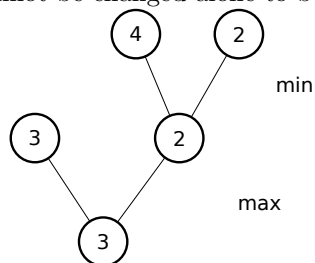December 14, 2023

Abstract

1 Base Sequool

The idea is to compute an index $ind(n)$ for a node n that measures the minimum amount of change in the value of all the nodes such that this node n becomes the best.

This can be computed recursively as :

$$ind(n) = max(ind(parent(n), .5 * abs(value(n) - value(parent(n)))))$$

2 another

The idea is to compute an index $ind(n)$ for a node n that measures the minimum amount of change in the value of the node n alone such that this node n becomes the best. In some case is undefined as with any amount of change the node remains suboptimal. For instance in the example below the node with value cannot be changed alone to be best

This can be computed recursively as :

$$ind(n) =$$