

NTIN066 - practicals 3

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1. Prove that a naive splay strategy using only single rotations cannot have better amortized complexity than $\Omega(n)$

Consider what happens when splaying a path.

2. What happens if we splay all the nodes of the path (degenerated tree) from the lowest to the highest one?

3. What is the potential of a path and of a perfectly balanced tree?

Can we reach the limits $0 \leq \Phi \leq n \log(n)$?