

Relaxed Radix Balanced Trees

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Background

- Invented by researchers at EPFL in Lausanne
- RRB-Trees are part of the ongoing development of the Scala Programming Language
- The goal is to present a datastructure which can be concatenated in $O(\log n)$ time at no cost to other operations

Application

- RRB-Trees can be used to implement an efficient vector datastructure
- Not only is the concatenation fast, but it does not compromise other valuable vector functions
- By using the principle of "sharing" the space complexity of the datastructure can also be minimised

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