Recursive types

By using types with variables, recursive structures can be declared.

Declaration of a new tree

The following example defines a node of an binary ordered tree.

Problem1.

Write the functions which insert an element in a tree, search an element in a tree and returns the elements of the tree in order and preorder.

Problem 2.

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Given the expression trough the structure:
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write the expression corresponding to: $6/2-2^3+\cos(2*a\sin 1)$ and a function with the signature (expression -> float) which evaluates any expression specified using the above structure

Problems

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Problem 1. Binary trees Problem 2. Expressions
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