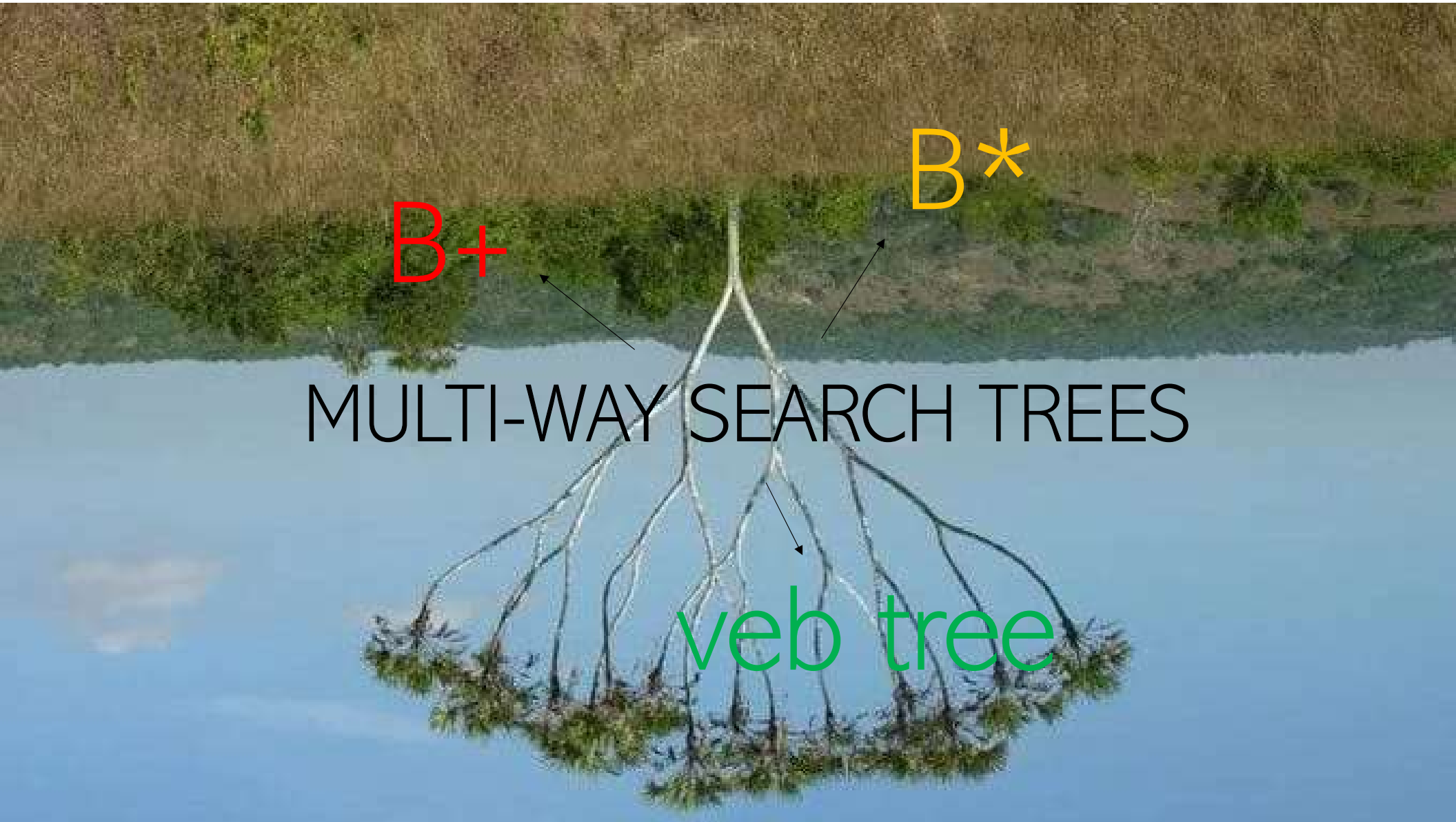


B^+

B^*

MULTI-WAY SEARCH TREES

veb tree



B+

/b'plus/ 🔊

B+

Data structure I

B+ tree is an advanced form of a **self-balancing multiway search tree** in which all the values are present in the **leaf level**.

It can be viewed as a B-tree in which each node contains only keys (not key–value pairs), and to which an additional level is added at the bottom with linked leaves.

B*

/b 'star/ 🔊

Data structure II

B*-tree is a self-balancing mutliway search tree that is much more compact (densely packed) than a B tree as it ensures that the non-root nodes are at least 2/3rd full instead of 1/2

Van Emde Boas Tree

/van emde boas / 

Data structure III

The Van Emde Boas tree (VEB tree) is a multi-way search tree, that can store whether an element is present or not in the range 0 to $u-1$, where u is called the universal set size. The degree of each node is the square root of u .

The Million Dollar Q

So, whose better and where??