LMCHILD-RSIB Representation of Trees

<table>
<thead>
<tr>
<th>data</th>
<th>parent pointer</th>
<th>left child pointer</th>
<th>right sibling pointer</th>
</tr>
</thead>
</table>

DATA(\(v, T\)): The data stored at \(v\).

PARENT(\(v, T\)): Pointer to the parent of \(v\) (\(nil\) if \(v\) is the root or \(v = nil\)).

LMCHILD(\(v, T\)): Pointer to leftmost child of \(v\) (\(nil\) if \(v\) is a leaf or \(v = nil\)).

RSIB(\(v, T\)): Pointer to the sibling of \(v\) that is directly to its right (\(nil\) if \(v\) is the root, \(v\) is a rightmost sibling, or \(v = nil\)).
(representing trees continued - example)