Assignment 5

A. (a) Design a pseudo-code algorithm, sum(T), that sums the values in the internal nodes of a binary tree (see hint in the in-class exercise in the class notes).
   (b) Using the Tree.js implementation of the BinaryTree ADT, implement in JavaScript the function, sum(T), that sums the values in a binary tree.
B. (a) Design a pseudo-code algorithm, findMax(T), that finds the maximum value stored in a binary tree.
   (b) Based on the Tree.js implementation of the binary tree, implement in JavaScript the function, findMax(T), that finds the maximum in a tree.
C. (a) Based on the EulerTour template class provided in Tree.js, implement a function sum that sums the elements in a binary tree. This is done by creating a subclass of EulerTour that overrides one or more hook methods in the superclass.
   (b) Based on the EulerTour, implement a function the finds the maximum value in the tree.