Tymmetric Tree

Key Tolea; A tree to symmetric if: · The left subtree is a miss of the sight subtree. Conditions for mirror: 1. Node values must motich. 2. The left child of one subtree equals the right child of the other (and vice versa). We solve the by comparing two subtrees at a time: compare left - left with right - sight - compare left - right with right - left. Recursive Islution! Algorithm: 1. Define a helper function island (titz): If both are null-> symmetric. If only one is mull - not symmetric. · Check ti-val == t2 - val and recursively: is llesses (t, -> left, t_- right) ·inllusion (t1 - right, t2 - left) 2. Call is Miss (1908 - left, 1908 - right). Iterative Leteon: Use queue to store node pairs to compare: · Push (wot -> left, 1908 - right). · While glue not empty: · Hop pair. · If both rull - continue. - Push children in mirrored order: · (left-left, right-right) ·left reglit, right - left)

(Complexity:) Terire: O(N) - each made visited once. Gace: O(H) recursión stack (worst O(N)) or O(N) for gueur.
Time: O(N) - each made visited once.
· Lace: D(H) recursión stack (warst D(N)) or D(N) for queue.