Merging leftist [min]-heap trees:
Chop off all right branches
Pick any and another [smaller] root one and stick it on the right
If needed, swap the left and right subtrees of root to get a leftist tree
Skew tree merging just like leftist, but always swap

minmax Heap constructions: Top-down: heapify as you go

Bottom-up: construct all, then run heapify down from the first non-leaf till root

Tree in array:

Root: 0

Parent of i: floor of (i-1)/k

Jth child of i: ki+j

rank(k) - length of shortest path to leaf, 1-based in leftist tree, rank of left child  $\geq$  rank of right child