A Wavelet Tour of Signal Processing
Stéphane Mallat, Academic Press 1999 (2nd edition)

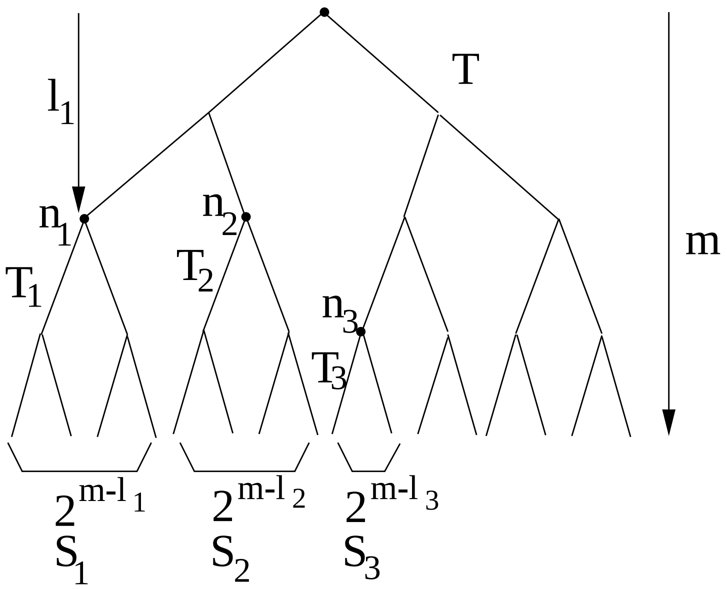

Figure 11.2: The leaves at the depth m of the tree T are regrouped as sets S_k of 2^{m-l_k} nodes that are the leaves of a tree T_k whose root n_k is at the depth l_k. Here $m = 4$ and $l_1 = 2$ so S_1 has 2^2 nodes.