Page 155 The children's subtrees each have size atmost 2n/3 - the Worst case occurs when the bottern level of the tree is exactly half full ..."

Buttern level half full example:

here
$$n_{\text{rode}}$$
 in the production of n_{rode} in a complete by n_{rode} in a complete by

modes = 2 -1 = 23-1 = 7

The number of nodes in a Complete binary tree of height h 13 (2h+1-1)

Algebra:

Algebra:
nodes in LHS tree =
$$\frac{2^{h+1}-1}{(2^{h+1}-1)+(2^h-1)+1} = \frac{2\cdot 2^h-1}{2\cdot 2^h+2^h-1} = \frac{2\cdot 2^h-1}{3\cdot 2^h-1} \le \frac{2}{3}$$

right sultree is one level less full than the left subtree