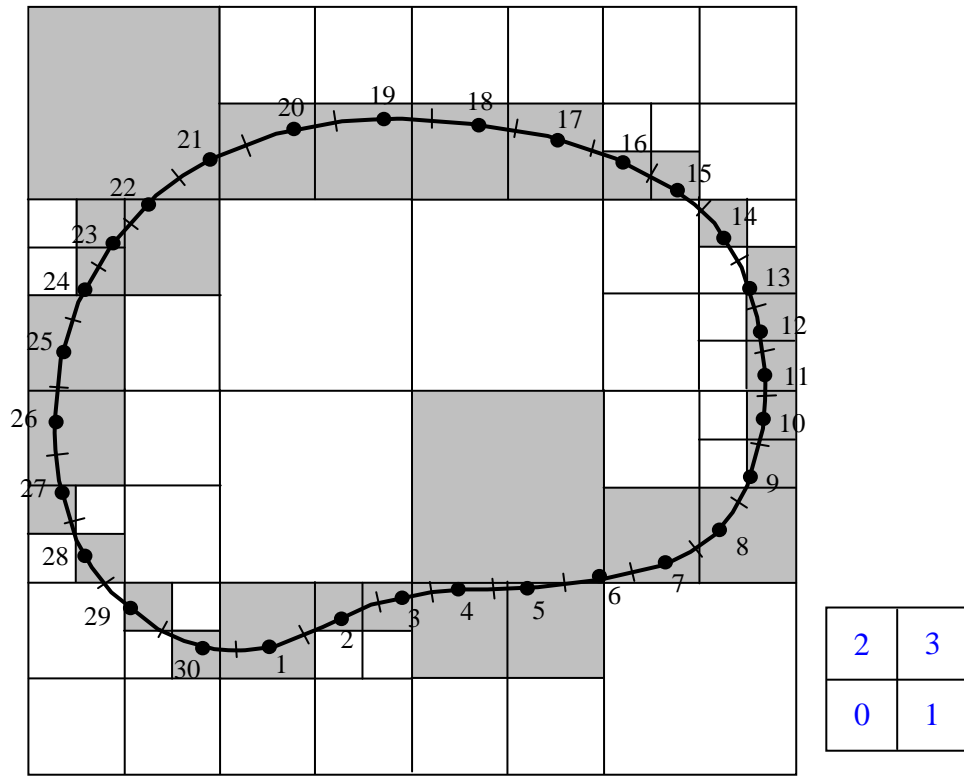Corrected Figure 4 and Figure 5

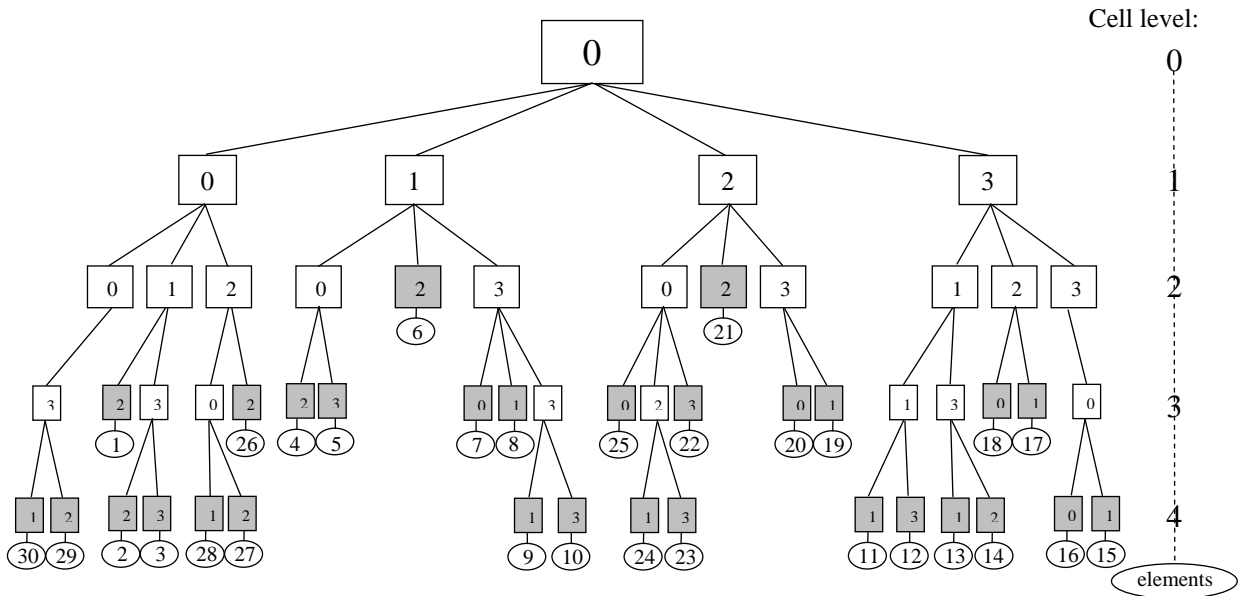Figure 4. A hierarchical cell structure covering all the boundary elements (the small square on the right-hand side shows the numbering scheme for the child cells of any given cell).

Figure 5. The quad-tree structure.