

How to get that quadtree in Z-order (for line segments in unit square)

Input: file with for each line segment its endpoints.

Algorithm:

1. Sort bounding box vertices of line segments into list $L = \{L_1, \dots, L_m\}$ in Z-order
2. For $i \leftarrow 1$ to m :
 - find smallest cell Q that contains L_i and L_{i+1} ;

