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Algorithm 2: GETCELLSATCORNER algorithm
   Input: a quadtree with cell envelopes Q and a cell c.
   function GETCELLSATCORNER(Q, c):
       region \leftarrow quadrant region of c in c.parent
       switch region do
            case 'SW' do
                corner \leftarrow left bottom corner of c.envelope
            case 'SE' do
                corner \leftarrow right bottom corner of c.envelope
            case 'NW' do
                corner \leftarrow left upper corner of c.envelope
            case 'NE' do
10
                corner \leftarrow right upper corner of c.envelope
11
       end
12
       cells \leftarrow cells which intersect corner in Q
13
       cells \leftarrow cells - c
14
       cells ← sort cells on basis of their depth
15
       return (cells, corner)
16
17 end
```