Algorithm: Radix-tree Construction
Input: Database D; minsup
Output: Radix-tree R, ItemList IL, ItemMap IM

1) $IM \leftarrow 0$
2) for each table T in D
3)   for each item c in T
4)   if c $\in$ C
5) c.counter ++;
6) else
7) $C \leftarrow \{c | c.counter \leftarrow 1\}$;
8) $IL \leftarrow \{c | c.counter \geq minsup\}$;
9) $IM \leftarrow \{c | c.counter \geq minsup\}$;
10) for each tp tuple existent in primary table
11) $FREQ \leftarrow$ frequents items of tp
12) for each TS secondary table
13) for each ts tuple in TS, such that ts.tid=tp.tid
14) $FREQ \leftarrow$ frequents items of ts
15) Create a node for FREQ items
16) Add the node to R