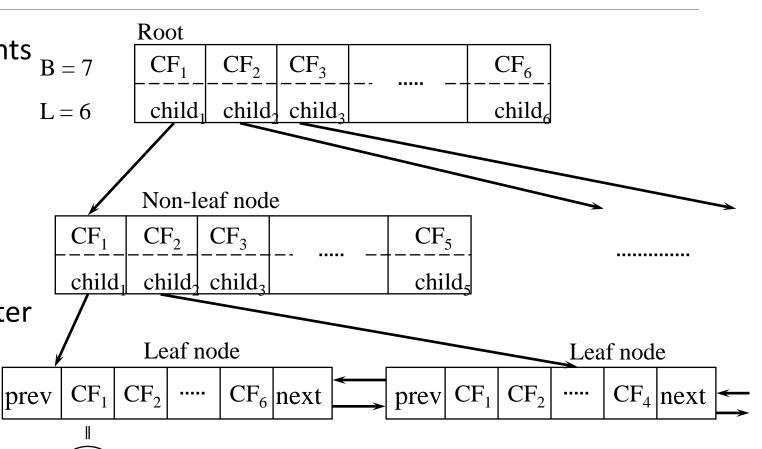
The CF Tree Structure in BIRCH

- □ Incremental insertion of new points (similar to B+-tree)
- ☐ For each point in the input
 - Find closest leaf entry
 - Add point to leaf entry and update CF
 - If entry diameter > max_diameter
 - split leaf, and possibly parents
- ☐ A CF tree has two parameters
 - Branching factor: Maximum number of children
 - Maximum diameter of subclusters stored at the leaf nodes



- □ A CF tree: A height-balanced tree that stores the clustering features (CFs)
- ☐ The non-leaf nodes store sums of the CFs of their children