

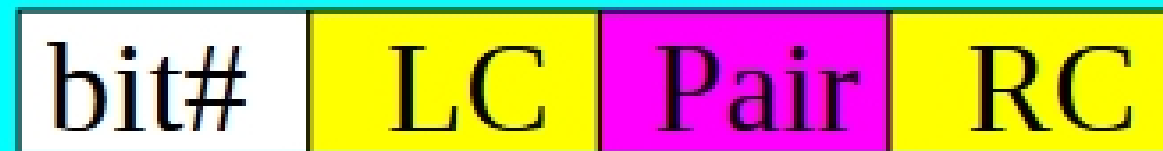
Patricia

- **P**actical **A**lgorithm **T**o **R**etrieve **I**nformation **C**oded **I**n **A**lphanumeric.
- Compressed binary trie.
- All nodes are of the same data type (binary tries use branch and element nodes).
 - Pointers to only one kind of node.
 - Simpler storage management.

Patricia

- Uses a header node.
- Remaining nodes define a trie structure that is the left subtree of the header node.
- Trie structure is the same as that for the compressed binary trie of previous lecture.

Node Structure



- **bit#** = bit used for branching
- **LC** = left child pointer
- **Pair** = dictionary pair
- **RC** = right child pointer