S Lecture: Tries #17.
We have: Whe companion bound sorming Small-Alphalet (tutoger) so Arry Digit-by - Dijit Sorting
tre):
Suppose we must save, sad, say, same, a, and auls.
O = end of a word (marked)
- A different type of data set. -We have BST, Marksets, right now.
-Tries potentially some space because not each work weeks to started.
-Short for retrigual tree sentire work.
Given a trie with Namy & a king v/ Ldigits:
Worst case RT for insert: O(L) Worst case search RT: O(L) West case search RT: O(1) West case search RT: O(1) West first digit is a miss.
Trie world am: OLU)
Petr ane: OCI)
- comparison is Love Light-by Light, so we can starp some Characters.
Uses of Tries!
- Support Papid prefix matching. - Finding lays with a particular prefix. - Finding longest prefix of longer prefix of ("sungh")
-> san" is larger pretix of sample.

"Broken" edges are just mull. Largest Pretor of - Check each Ligit in turn, walk down me trees, begrowth of nor reason blue thing. -If next is the flow, return correct word Tries: -you performed Characon-based operations. - Very nummy hungry! Child Link optimizations; -previously, all children were arrugs. - How about wing a maps Jennary Search Trues INSUT "Sam", Insut "Sad", Inant "som", Input "som", Insut "a" every note has exactly 3 links