Advanced Trees: > Trie Data Structure * Why use tries? Subspose we need to store a name (String) in some database. Normally, we can use a Map(x,v) Example: < String, Boolean) Make (v) word = new Make (k,v)(). word ("Virat", 1); means
word ("Rohit", 1); means
word ("Ashwin", 1); available
word ("Rahane", 1); Fresont But, this kind of structure will make is memory effrency to drop legely. In these uses, we use "Tries".
Most Popular Applications: Phone Directory

11) Word Dictionson Auto-complete feature in Browner word End = f & root (null) charat (in)ex) 1/2 - 2 c-c=0 (-ve)'a' 2111 de la come de la come l'a'- a'] b' - a' = 1ASCII valus Imposfunt Application of Foie Cod 7 * Backtracking: Application of N Oneens * Kat In A Maze * Subsets of an Array / String * Sudok u Solver * Phone Keyfad Prob)em 4x4 Matrix 4 avento be they blaced, so that they don't attack each Rat In A Mase:> * Dalk cells = walls * green alls = safe 0 0 (n-1, n-1) nxn -) marix * Rat needs to seach destination ? w ym (2,y) Leet Code => 78 -> Set of all subsets of an array Power Set £ 1,2,3} § § >) include 51,2,33 &13 \(\frac{1}{2}\) \(\frac{1}{2}\ $\{1,2,3\}\{1\}$ $\{1,2,3\}\{1\}$ $\{1,2,3\}\{1,2\}$ $\{1,2,3\}\{1\}$