Backtoncking + Recursion -> \$2 (Leet Code) Power Set: -> The set of all the subsets of an array of sallee the "Power Set" of the array. nums = $\{1, 2, 3\}$ $\rightarrow n = 3$ Power Set = 2^n_3 Towas Set = & \{13, \{25, \(33, \{1, 2\},\) $\{1,3\}, \{2,3\}, \{1,2,3\},$ Approach: > 51,2,33 = 5 51,2,35 £ 1 { £1, 2, 3} { 5 SINB) { 1,2,3 {3} \ 2,2,3 \ 25 51, 2,3) Op is a 2D allay of allays 5 513,523,533, 51,23, 51,33, 52,33, 51,2,33,513 vector (vector (int) ano; refor (int) ofp -> E13 Advanced Trees: -> [Tric Data Structure] * Dictionary, Phone Book, Diocetory, etc Normally Let > & to insert words into a data structure : unordered_map(5, b) ARM Str, t> ARMAN ARMA More ARYAN Storage ARYAMAN 1/ bits / data (ARM) Stolo) - A Root Node MIRA AKMAN Children = + rue; (M CHCJ-N(N)O A-A= nul 600 current. cers - schildran [C-1A]

A-A=0

* Ceraph Algos

BIT

Manipulation