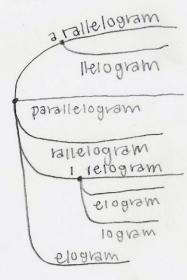
[SUFFIX TREE : stores every "suffix" (ending) of an input

INPUT i parallelogram



total * letters = $\sum_{i=1}^{n} i = O(n^2)$ [whoops!]

*But what about the structure? In leaves, one for each suffix

Lycompactly store by storing index of starting | ending letter of suffix = O(n) storage [yay]

actually a wess to store in practice (but that's fine - more important to think of what we can do with it)

*SEARCHING FOR SUBSTRINGS: Only I branch at each step storing a given level, so we can search for a substring in livear time

* LONGEST COMMON SUBSTRING: (IDEA) "overlay" I tree on the other : find the node that has children from both trees ; is longest.

(IDEA 2) build a suffix three for [word 1]" X" [word 2], run regular suffix three algo + post-processing