



## Suffix Tree

A suffix tree of a string s is a compressed trie that stores all <u>suffixes</u> of s.

A compressed trie is a trie in which nonbranching paths are stored as single node labeled with a string.











TEXT: googol

PATTERN: go















Suffix Arrays		
were introduced by Manber and Myers in 1989 (and published in 1993).		
They take of a factor 4 less space then suffix		
trees.	6	\$
They can be used for searching. O(P + log T)	5	A\$
	3	ANA\$
	1	ANANA\$
How would you search for a pattern?	0	BANANA\$
	4	NA\$
	2	NANA\$

