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## [closed] Suffix Trees

Hello guys,

is there a tutorial for implementation and applications of suffix tree data-structure ?? or some paper or any link that helps you understand ?? I couldn't find much of it!,

And also are suffix array and suffix trees two different things ??

-- Are Suffix Array and Suffix Trees two different thing?

it'd be helpful if anybody can provide details regarding that and also some problems for solving - related to suffix trees/arrays!!

Thank you:)!

data-structure tree suffix-array

edited 23 Jul '13, 21:55 10.9k • 346 • 472 • 486 asked 16 May '13, 11:03 354-15-18-27

accept rate: 0%

The question has been closed for the following reason "The question is answered, right answer was accepted" by bugkiller 27 May '13, 00:20

2 Answers:

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image?![alt text](/path/img.jp "title")

• numbered list: 1. Foo 2. Bar

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-- Is there any tutorial for suffix Arry data-structure?

There are many:

I personally like Suffix arrays: A new method for on-line string searches , by Udi Manber and Gene Myers.

56 Yes, they are two different things. Suffix Array is an efficient alternatives to Suffix Tree. Read \*\*More.

The neat implementation of above paper in C++ can be found at TopCoder Forum.

-- Is there a tutorial for implementation and applications of suffix tree data-structure?

Suffix arrays - a programming contest approach is the best implementation/application tutorials for suffix array across Internet.

C++ implementations of some of the popular suffix Array problems are available at : my blog.

Fastest or linear time implementation of Suffix array construction using DC3 algorithm: Source code in C++ is available at last few pages of this PDF. It helped me to achieve best run-time at SPOJ.

-- Can you lists few suffix trees/arrays related problems for solving?

	Problem Name	Online Judge	Year	Contest
1	Glass Beads	Categories SPOJ		
2	New Distinct Substrings	Categories SPOJ		
3	Stammering Aliens	Categories Live Archive	2009 Europe - Southwestern	
4	Distinct Substrings	Categories SPOJ		
5	Suffix Array	Categories SPOJ		
6	I Love Strings!!	Categories UVA		
7	Minimum Rotations	Categories SPOJ		
8	Longest Common Substring	Categories SPOJ		
9	GATTACA	Categories UVA		
10	Glass Beads	Categories UVA		
11	Lexicographical Substring Search	Categories SPOJ		
12	Petr#	Categories Codeforces	Codeforces Beta Round #86 Round #86 (Div. 2 Only)	6 (Div. 1 Only) & Codeforces Beta
13	String	Categories Codeforces	Codeforces Beta Round #94 Round #94 (Div. 2 Only)	4 (Div. 1 Only) & Codeforces Beta
14	Martian Strings	Categories Codeforces	Codeforces Round #106 (D	iv. 2)
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Asked: 16 May '13, 11:03 Seen: 4,423 times

Last updated: 23 Jul '13, 21:55

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