Le CTURE 9.

FINISH LINEAR calculation of the unfria array.

J= DAD BCDDADBCD \$ \$ \$

given cuffix arrow cearching pattern p in T?

Tapp 1 to mom banana

kun Binary search on SA booking for Pin T.

logn => Pxlog TT

SA creation in linear time single search

O(T) + PLOGT SA creation Search

suffix tree search time: O(P)

SA (strings) 30 undexes $i\% 3 = \{1, 23\}$ 13 \$\$\$ -7 1 SUff, = DAD 2 ADB J-2 ONF2 = ADB 8 A DB 3n Suff4 = BCD 4 BCD SUFFS = CPD 10 BCD - 4 SUPT MAT = DAD Via SUFF = A DB radix Suffio = BCD 5CDD. 一与 mt Suffi = CD\$ DAD inent 7DAD MOLK O(n) () = 31 () = 37 () = 38 1-3 27,28 3-> 31 n=#of items m diguts/BUCKETS RADIX MIN DADRCDDADRCDGUADBCDDAD 3/= ((363) 2524 ② SA(8');T(2g)

ě

6

O

JA12 MAO 1234567891011 19131415 PANISCHADINCD&\$\$ 13 57 82 46 1 RANK 8[7] (enf18 S[12] Jouth's SACJ = 13,8,2,10,4,11,15, 12, 7, 1, 9,3,6 comparing a suffix and $\frac{1\%3^{2}}{1\%3^{2}}$ $\frac{1\%3^{2}}{11\%}$ = in same inst ([[i]2 = = [[i]2]) fi print cuffix its O(1) rank comp. on the rank of .

suffit is suffit

Int[] 5A (of char S[]) ? 2n. 8 = 6 create In |3 kmers for suffic %. 3 = \$1,23

2n. 8 = 6 create In |3 kmers for suffic %. 3 = \$1,23

2n. 8 = 6 create In |3 kmers for suffic %. 3 = \$1,23

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2n. 8 = \$1,23

2n. 8 = \$1,23

2n. 2n. 8 = \$1,23

2 2) Synth. SA; 2[] = SA(S'); decoding also 11step3 ng (b) create a character string w/ letter and () (29)=) (a) RANK SA12 O(n) \$\foldsom \foldsom \folds merge SA1,2 and SAO by
if (S[2]:=S[j]) print smallest Alse suffix variking procedure. (1) () O(n) + T(2/3n) + O(n) + O(n) = Step 4

Merge procedure

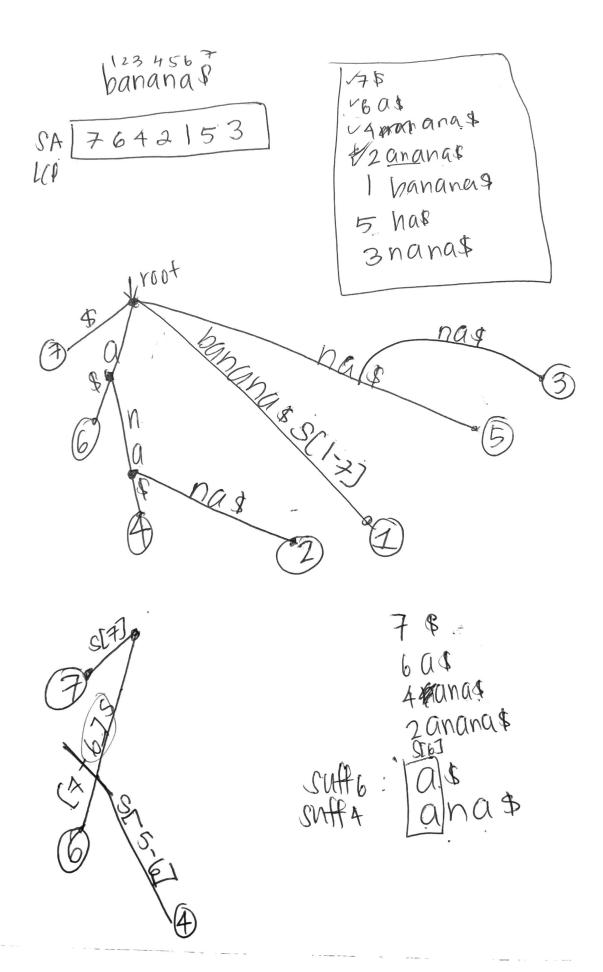
SUFT! SAME

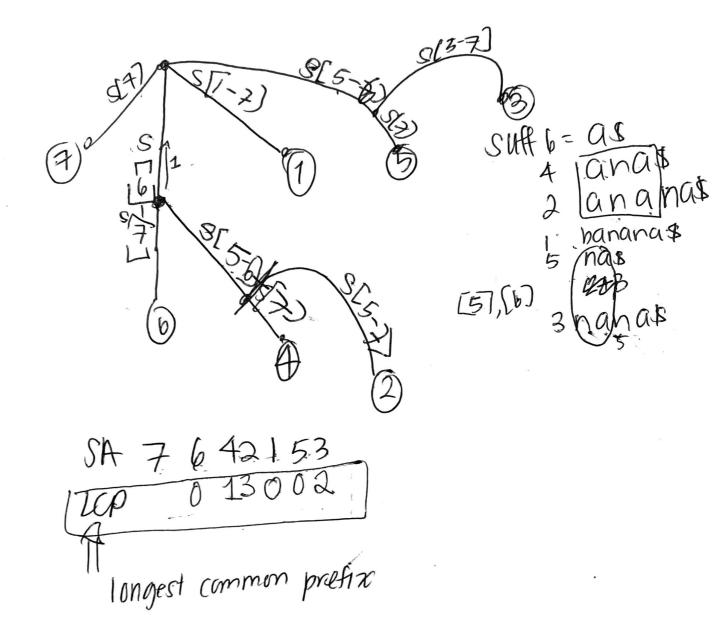
240 3 = 2
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Company of the Salah Trape of Trace of the

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S= ababab\$ SA: 7,5,/3,1,6,4,2 LCP 0 (2,40 13 5 [60]