Assignment Project Exam Help
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Solution : See us at the consultations if there are questions with the answers below.

Question 1

Construct the suffix array for string S = panorama\$ using the linear time construction algorithm discussed in the lectures.

What is its BWT?

Ans: 8,7,5,1,6,2,3,0,4. amrpaan\$o

Question 2

Construct the suffix array for string S =**enhancement**\$ using the linear time construction algorithm discussed in the lectures.

What is its BWT?

Ans: 11,3,5,6,0,8,2,7,4,1,9,10. thnc\$mneaeen

Question 3

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Ans: 20, 10, 4, 14, 11, https://powcoder.com

Question 4 Add WeChat powcoder
In the linear time SA construction algorithm, why do we separate S positions from L positions? Why do

In the linear time SA construction algorithm, why do we separate S positions from L positions? Why do we place L positions in front of other S positions for each bucket?

Ans: (i) To reduce the number of suffixes to be sorted. (ii) Consider the bucket for char x, S positions => the chars after x are larger, whilst L positions => the chars after x are smaller. Therefore, L suffixes are smaller than S suffixes within a bucket.