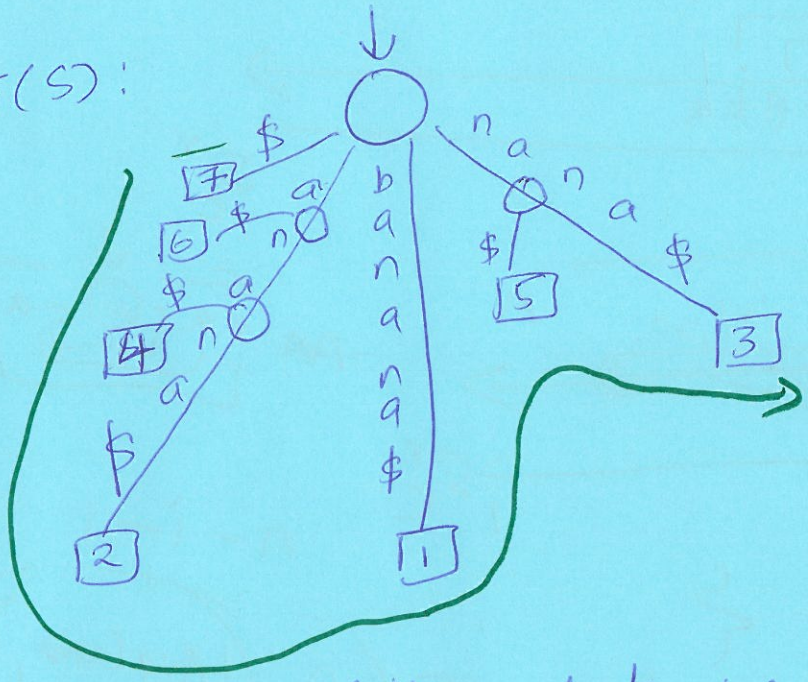
$S = \underset{1}{b}\underset{2}{a}\underset{3}{n}\underset{4}{a}\underset{5}{n}\underset{6}{a}\underset{7}{\$}$ $\{\$ < a < b < \cdots < z\}$

ST(S):



Left-to-right listing of leaves: 7 6 4 2 1 5 3

A:

7	6	4	2	1	5	3

S[6] S[5] S[3] S[1] S[0] S[4] S[2]

BWT:

a	n	n	b	$	a	a

index

$$BWT[i] = \begin{cases} S[A[i]-1], & \text{if } i > 1 \\ S[n] == \$, & \text{if } i = 1 \end{cases}$$

$1 \le \forall i \le n$

From your program, output the BWT index in a separate file, with each character in a separate line, like this,

BWT.txt

a
n
n
b
$
a
a

← output BWT text file.

for string banana$