

LZW

1. Encode the following message using LZW:

ACABACACAB

with the initial table:

0	A
1	B
2	C

2. Decode the following message which was encoded with LZW:

1030482, with the following initial table:

0	A
1	B
2	C
3	D

BWT

1. Find the Burrows-Wheeler transform for the string:

ACADACA

2. Find the original string given the transformed string:

EHHHTTTEE\$

MTF

1. Encode ACABBADAA ^{using MTF} given that initially: A=50 D=53
B=51
C=52