Assignment 2

1. True. Since  $L=\{w^R | w\in \{x,xy,xyz\}\} = \{v | v\in \{zyx,yx,x\}\},$  then for any  $p,q\in L$ , there is now z such that pz=q, as last symbol of p and q always x.

2. False. It can repeat the states in Q.

3- State Set Q={ Gright, Gread, Grewrite, Gracko, Grack, Gry, Graves, Chaves, Graves, Graves,

tape alphabet r={1,0,1,+,c,0,1}

4. reject state. halting configuration: 10 Preject 1+ сОП

J. never halting