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Automata
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Homework #17

Define a Turing machine to accept this language.

L = { wwr | $w \in \{0,1\}^*$ } -- any string w followed by the reverse of that string, wr

TM

ABCDEFG

01XYb

0 1

b

Α

G

A,0,B,X,R

A,1,C,Y,R

A,b,G,-,-

B,0,B,0,R

B,1,B,1,R

B,b,D,b,L

C,0,C,0,R

C,1,C,1,R

C,b,D,b,L

D,0,E,b,L

D,1,F,b,L

E,0,E,0,L

E,1,E,1,L

E,X,A,b,R

F,0,F,0,L

F,1,F,1,L

F,Y,A,b,R

language : L = { wwr | $w \in \{0,1\}^*$ } this TM demonstrates format for input: states, tape alphabet, input alphabet, blank symbol, start state, accepting states, transitions