Lesson 2 Computability

Math 574 - Topics in Logic Penn State, Spring 2014

Jan Reimann



2-3

Turing machines - an example

Goal: Find a TM M s.t.

M entputs

O for all other inputs

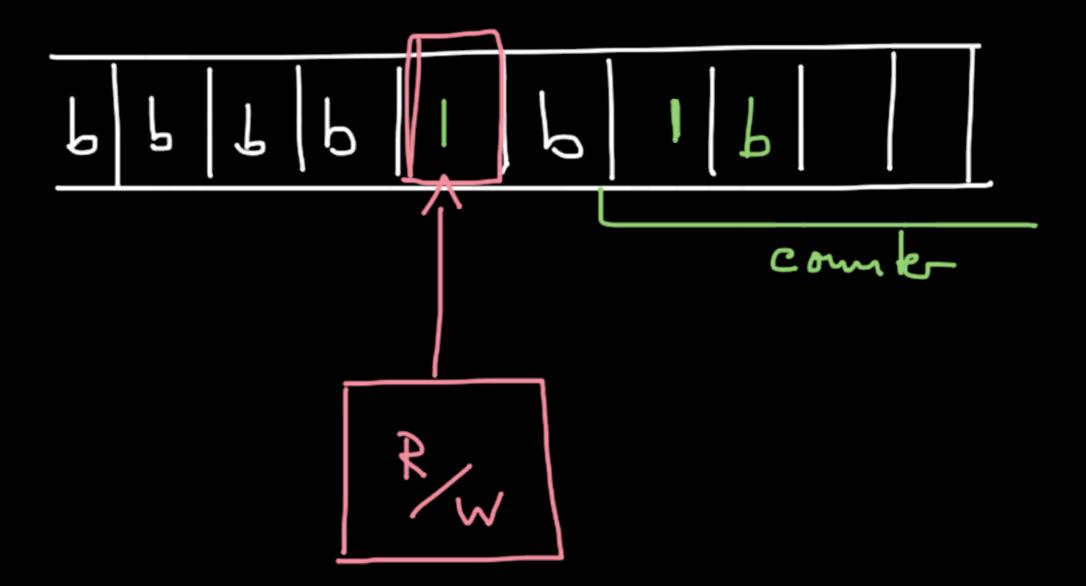
M "accepts" the language

L = {0^11 : n ≥ 0}

Input: W = W. W. ... W. -. (\{0,1} < 1N

600111 6 N3 N, ... Nm 6 5 6 6 ...

00 ۱۱ م۱



. Sub routines

, bops

· while

if ... thum ...