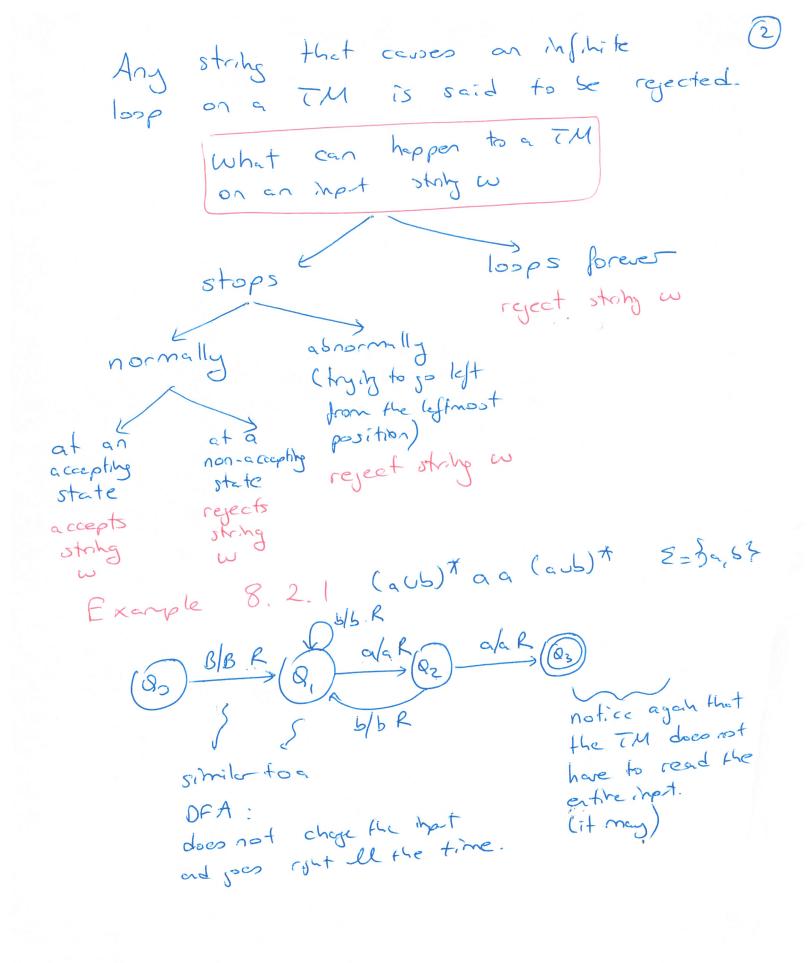
Dec 3,2012 Homeworle 11 prestion 2. Monday (1) 2-close b 3 Q1, Q2, 95 } M2 50,02,87 503,958 390,9-3 300,9-3 23 P5 95. 97 COPY Last time: Turing machines aibici that Sein with is all strings 30,53 B/BR) Q, a/a R "normally" stops accepts ala R Doe a TM does not have to read the entire import string. BBR (O) alaR this mechile will now stop it will not be able to accept relia imp-t.

C5331/



strings that contein, a/B L (blbR ,)6/BL atthe end of ull caux the impit the neelshe to loop forever if the import contains an a otheruse The fuction comples by the TM on impt U This TM is compatiff on patial function. Does every TM represent a total grestion: furction? No. It might reject by Impily. By examining a TM can we determine
if it represents a total function Does every statement have a fully value?

this pen writes in blue

Today is Friday

This is the C53311 class

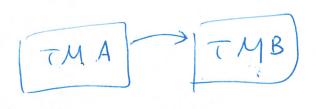
This is the C53311 class

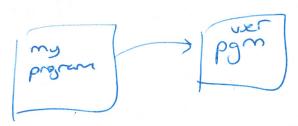
It will snow tomorrow at 1:45pm (F 33%

5'6" is tell The some

This statement is false F T

11 self reference problem "





TM A monitors
TM B and tells
whether there is an
inpt that will cause
TM B to loop.

"halfily problem"

It is not possible to tell whether a TM will stop or not, in several,