

CS310 Homework 9
DUE: Dec 7, 5pm

P 182
4.3
4.7
4.19

p 211
5.1
5.9

p 294
7.1
7.9

Write an algorithm you can implement on a Turing Machine that decides the language: $\{ A \mid A \text{ is a prime number in base } 1 \}$ If you build a multi-tape machine, you may use the stationary, S, extension.