

Name: _____

PanthID: _____

Homework 3 MAA 3200

Fall 2009

1. (5 pts) Regarding Pb. 7 in the exam find the smallest number n_0 so that the statement "Any natural number greater or equal to n_0 can be written as a sum of numbers, each of which is either a 5 or a 7. " becomes true, and prove the statement in this case by modifying the argument in part (d) of the problem in the exam.

2. (5 pts) (Pb. 77, page 92 textbook.) Show that every natural number greater than 2 can be written as a sum of distinct Fibonacci numbers.