

CS 383

HW 3A

Due in class on Friday, September 27

Here is a question from last fall's first exam:

Use the pumping lemma to show carefully that the language  $\{0^m 1^n 0^n \mid m \geq 2, n \geq 0\}$  is not regular. There are two issues here. One is what to do about those leading 0s. The other is the usual issue: how do you write a Pumping Lemma proof?

Write this up carefully, and hand it in on Friday September 27.