

# Homework - Week 2

CS 101

Due: Wednesday, September 19th

1. Read this article:

<http://www.popsci.com/scitech/article/2009-03/who-protects-intrnet>

Using the article and our discussions from class, *defend* Senator Stevens' comment that earned him a great amount of ridicule:

They want to deliver vast amounts of information over the Internet. And again, the Internet is not something that you just dump something on. It's not a big truck. It's a series of tubes. And if you don't understand, those tubes can be filled and if they are filled, when you put your message in, it gets in line and it's going to be delayed by anyone that puts into that tube enormous amounts of material, enormous amounts of material.<sup>1</sup>

Your defense should include *at least two separate arguments* and use the word *bandwidth*.

2. Describe how DNS works for `www.nytimes.com` including a lookup diagram like the one we went over in class.
3. List two advantages of TCP/IP.

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<sup>1</sup>Taken from Wikipedia [http://en.wikipedia.org/wiki/Series\\_of\\_tubes](http://en.wikipedia.org/wiki/Series_of_tubes) as taken from: Singel, Ryan; Poulsen, Kevin (June 29, 2006). "Your Own Personal Internet". Threat Level. Wired. Retrieved 2006-08-24.