

## **Homework 2 (due 4/7/2008 at 3:05pm)**

via email to ada@cc or hardcopy in class

1. Consider the IXP2400 network processor. What is the best- and worst-case cycle budget available for applications which need to sustain 2Gbps throughput of Ethernet packets for both:

- a) Header processing applications
- b) Payload processing applications

Hint: How many processing contexts are available on the IXP2400 and at what rate are they clocked.