

HOME WORK ASSIGNMENT#2

CS 4/55231 ST: INTERNET ENGINEERING

Fall 2012, Department of Computer Science, Kent State University

Due Date: _____ MARCH 15 _____ (3x200=600 points)

1. (IPV6) IPV6 increased the address field of the IP header. This potentially increases the packet processing time in a router. Write an essay what counter measures have been incorporated in IPv6 that can speed up the packet processing in IPv6.
2. (IPV6) What is ephemeral IPV6 address? Explain how it may increase user privacy?
3. (BGP4) Explain what is *route flapping* (RFC 2439). Explain some situations where it can happen. Explain few measures how it can be mitigated.