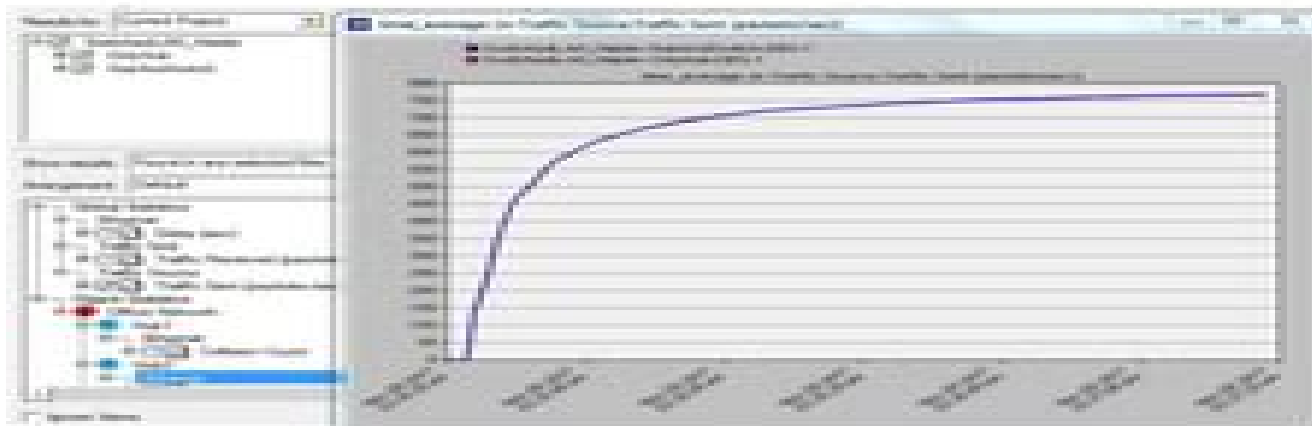


The Traffic Received (packets/sec)

3) Comparing and Analyzing the Result for HubOnly and HubAndSwitch Analysis:

A) Traffic Sent

The traffic sent is same in both cases they're sending the same amount of packets.



The Traffic Sent (packet/sec)

Opnet Lab Manual Lab 3 Solutions

**Ronald J. Tocci, Jim C. DeLoach, Frank J.
Ambrosio**



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Network Simulation Experiments Manual Emad Aboelela, 2011-04-13 Network Simulation Experiments Manual Third Edition is a practical tool containing detailed simulation based experiments to help students and professionals learn about key concepts in computer networking. It allows the networking professional to visualize how computer networks work with the aid of a software tool called OPNET to simulate network function. OPNET provides a virtual environment for modeling, analyzing, and predicting the performance of IT infrastructures including applications, servers, and networking technologies. It can be downloaded free of charge and is easy to install. The book's simulation approach provides a virtual environment for a wide range of desirable features such as modeling a network based on specified criteria and analyzing its performance under different scenarios. The experiments include the basics of using OPNET IT Guru Academic Edition, operation of the Ethernet network, partitioning of a physical network into separate logical networks using virtual local area networks (VLANs), and the basics of network design. Also covered are congestion control algorithms implemented by the Transmission Control Protocol (TCP), the effects of various queuing disciplines on packet delivery and delay for different services, and the role of firewalls and virtual private networks (VPNs) in providing security to shared public networks. Each experiment in this updated edition is accompanied by review questions, a lab report, and exercises. Networking designers and professionals as well as graduate students will find this manual extremely helpful. Updated and expanded by an instructor who has used OPNET simulation tools in his classroom for numerous demonstrations and real world scenarios. Software download based on an award winning product made by OPNET Technologies Inc whose software is used by thousands of commercial and government organizations worldwide and by over 500 universities. Useful experimentation for professionals in the workplace who are interested in learning and demonstrating the capability of evaluating different commercial networking products i.e. Cisco routers. Covers the core networking topologies and includes assignments on Switched LANs, Network Design, CSMA, RIP, TCP, Queuing Disciplines, Web Caching, etc.

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multidisciplinary perspectives on architectures and systems for effective efficient communication across different types of infrastructures which include online and wireless networks Collecting research on mobile ad hoc networks VoIP and mobile recommendation systems this book provides theoretical discussions as well as practical research on new and emerging developments in telecommunications and networking **Information and Communication Technologies** Robert Szabo,Attila Vidacs,2012-08-07 This book constitutes the refereed proceedings of the 18th EUNICE 2012 conference on information and communication technologies held in Budapest in August 2012 The 23 oral papers demonstrated together with 15 poster presentations were carefully reviewed and selected from 48 submissions The papers are organized in topical sections on radio communications security management protocols and performance algorithms models and simulations

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web produced in close collaboration with her family linda mccartney life in photographs gathers some of the finest pictures from mccartney s astonishing archive of over 200 000 images from the epicenter of 1960s rock to rural bliss with her husband and kids mccartney s lens captured fame family music animals and the english countryside

linda mccartney life in photographs amazon.ca - Sep 04 2022

web jun 1 2011 life in photographs is an excellent and long overdue retrospective of linda mccartney s entire photographic oeuvre the early part of the book features an interesting variety of musicians rare beatles photographs from the white album sessions are included and a backstage shot of a yawning jimi hendrix is particularly fantastic

the linda mccartney retrospective is coming to ccp - Jun 01 2022

web mccartney s photographs are true to how she experienced life from the extraordinary photos of her time in tucson to pictures of the dynamic music scene of the 1960s to images of her domestic life in london in 1968 she became the first female

photographer to have her work featured on the cover of rolling stone with her photo of eric clapton