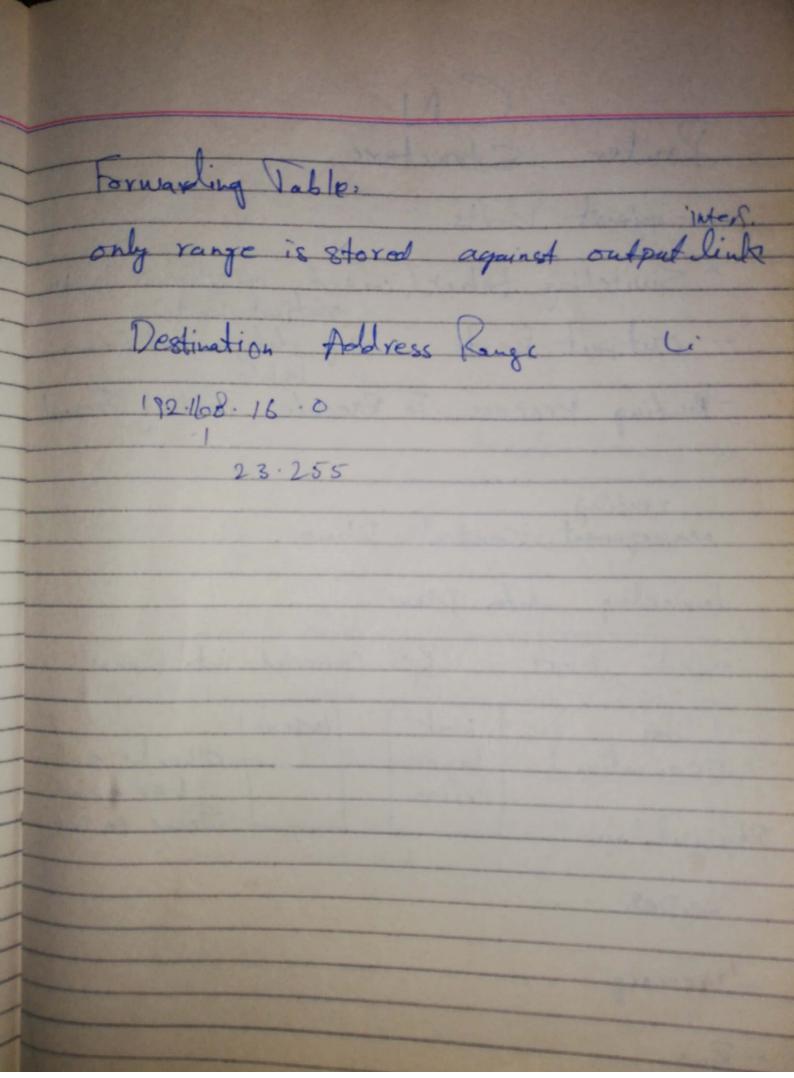
Compater Network Network Layer furctions forwardings forwarding Table Datagram vs Datatable - Connection orcinteal - Comection lass Datagram Not C. juterne Virtual Circuit Net Use ve numbers Connection less Connection oriented no call setup no need tos States no States connect 1) Consection setup Scadere Contract work on IRAdress wetwork layer and develop Pets Use routing Protocal 2) Data Tranfer Packets take may Different Palh 3) Termination: Removing enteries for Table.



Scanned with CamScanner

Louter Structure - input Ports - Switching Fabric (corred input Pont with - output Ports ving datagram and formation Table - Routing Process: To Execute routing Protect routing rangement control Plane Forwarding data Plane input Port Bits Converted into frames Line link lock up

termination layer to cheek sun

For errors

Time to Cive Physical layer types. - Memory - Bus

b Por sec b 50 r/w > 25 x

one packet 1 Switching Via memory one packet at one time Suitching via bus No vouting process lecide locally by to labelling of output part by bus if multiple packets then you cantonly one packet a time speed depends on bus Switching via innterconnection network Havizould Bus out Vertical Bus One packet can ben sent to one But put Post et a time

Output ports. Buffer Size is limit Buffer overflow Pucket Irop Prioritization Transport Cager Network layer Data Link Layer Physical layer

Internet Protocole IP Protocal IP destroyram format - Nebwork layer Packets Intocal In version * IP Protocal version Number: Legides IPvy or
IPVS

• header length; 28 Bytes: indicate start of data · Priority: type of data e.g vedio, Audio, fieletange · Length: Total Satagram Size 20 Bytes - 655355 · 16 Bit identifiques when funch destination · flags 2Bit Df 1 0 Pour-fragment

MF 1 1 0 more fragment

· fragment of set 6 Bits:

iti tells where you

Place/position of fragment into Dackot

