

Information Technology:

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1

(1)

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1970 1980

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2

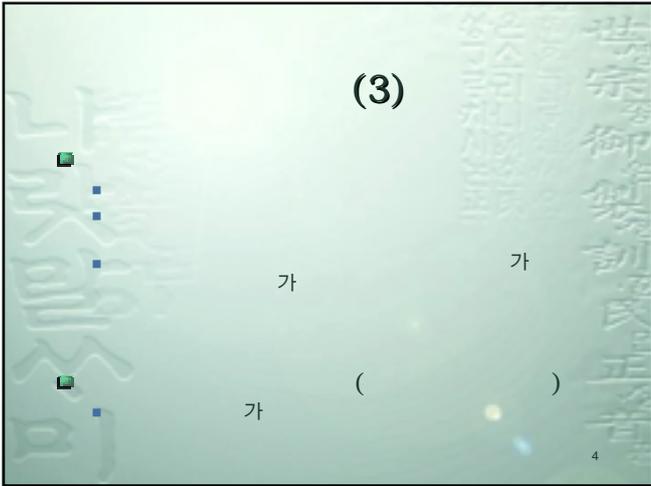
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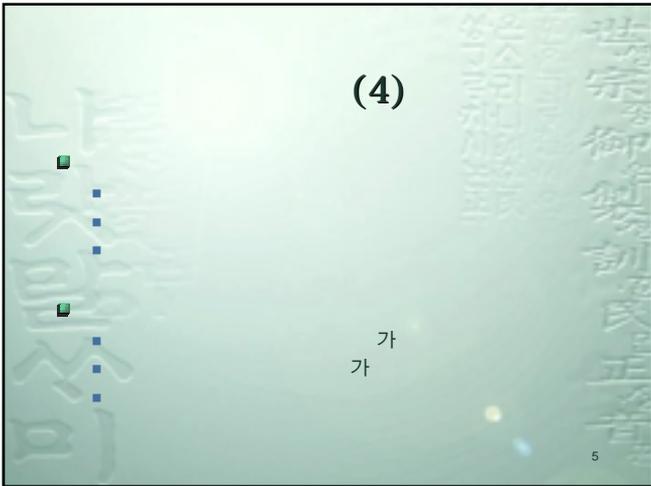
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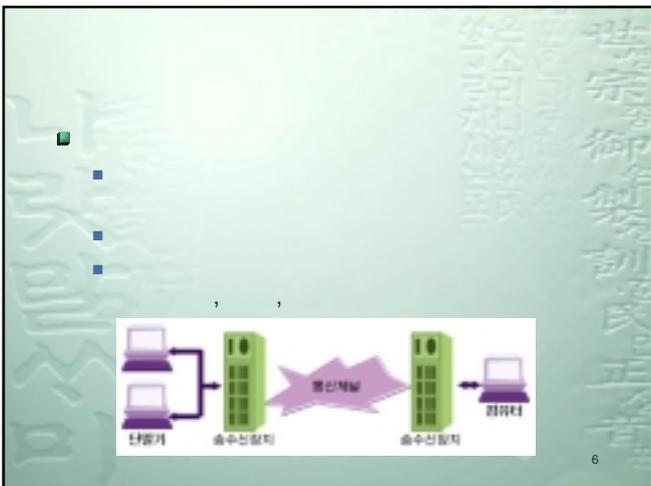
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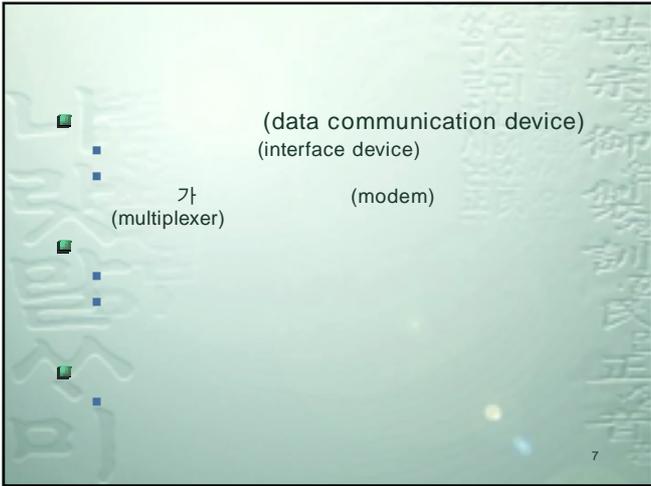
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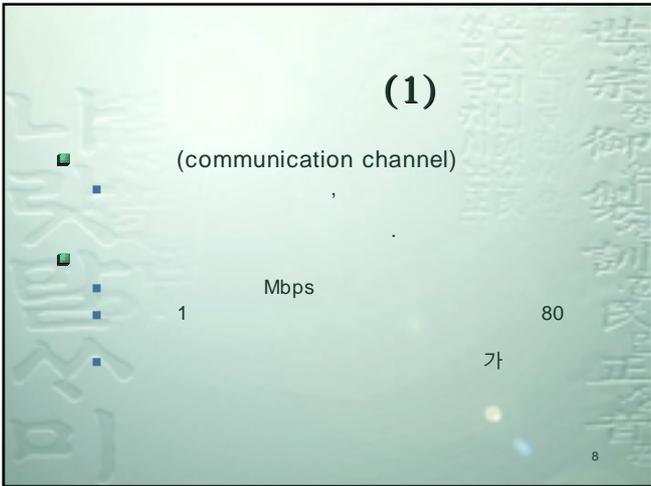
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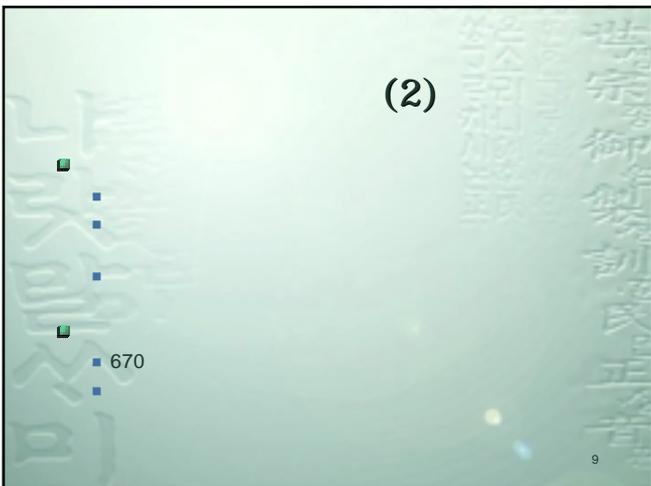




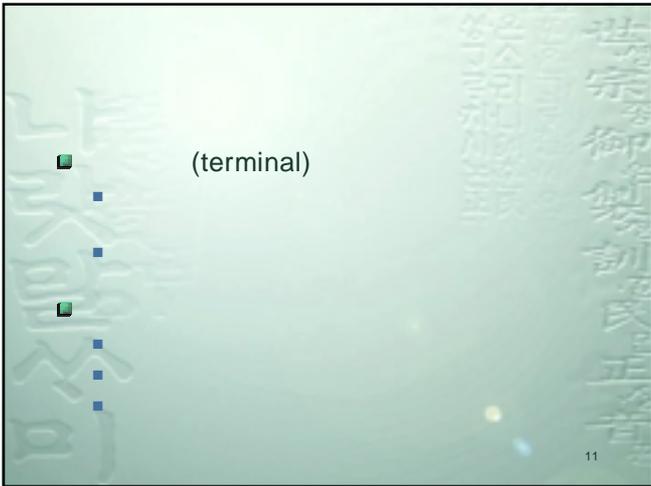










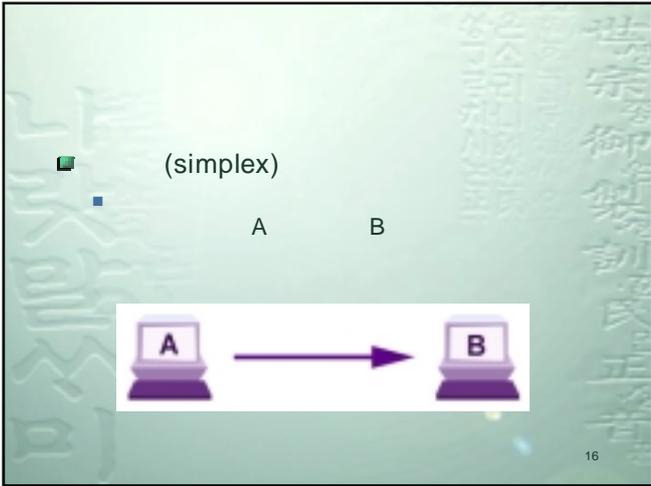


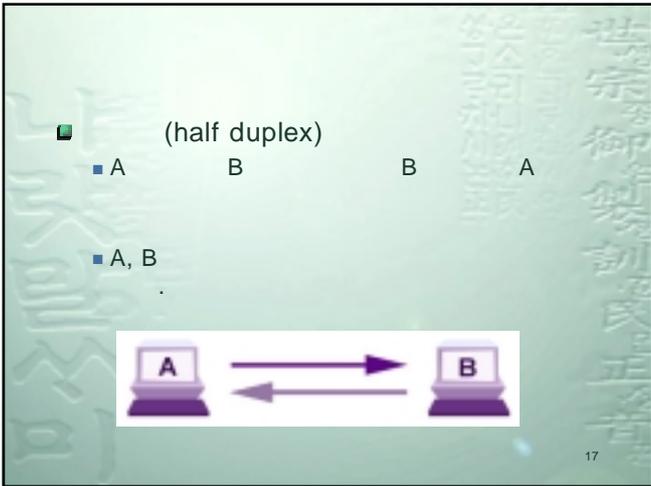


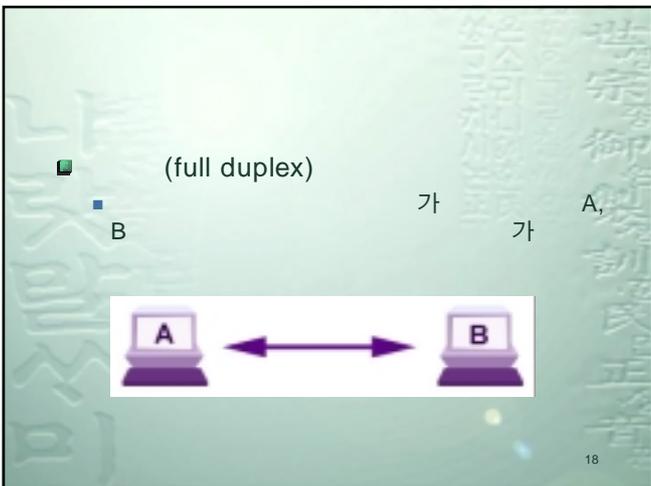




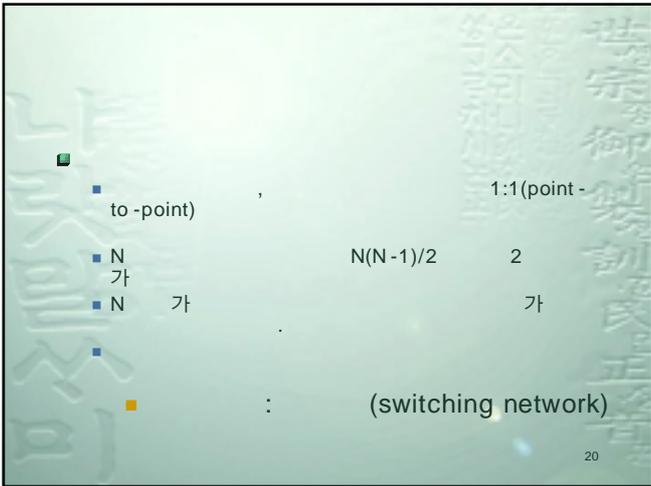


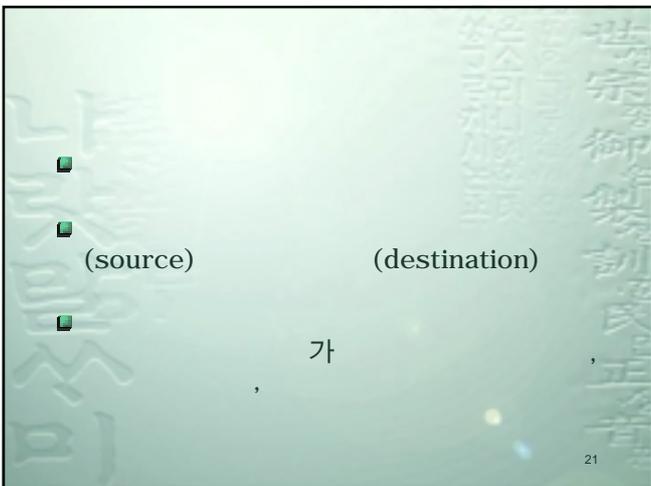












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22

(1)

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23

(2)

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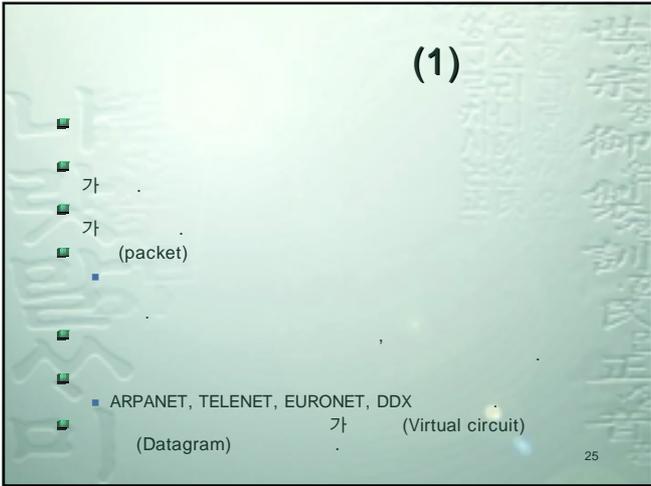
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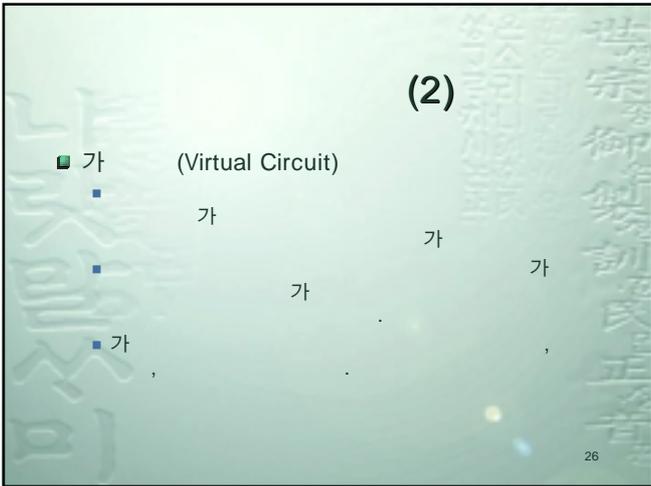
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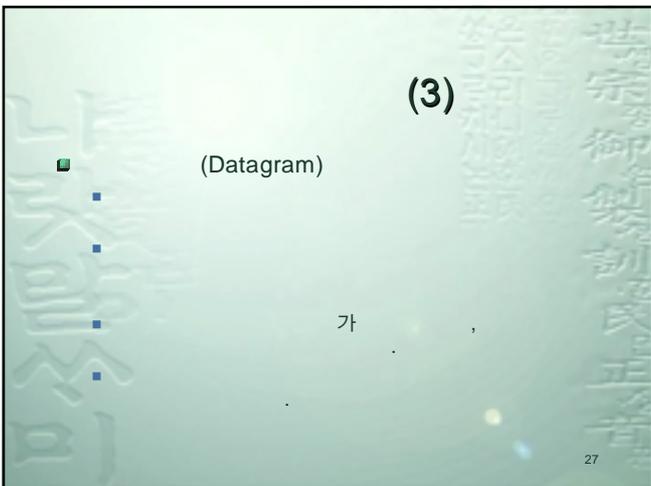
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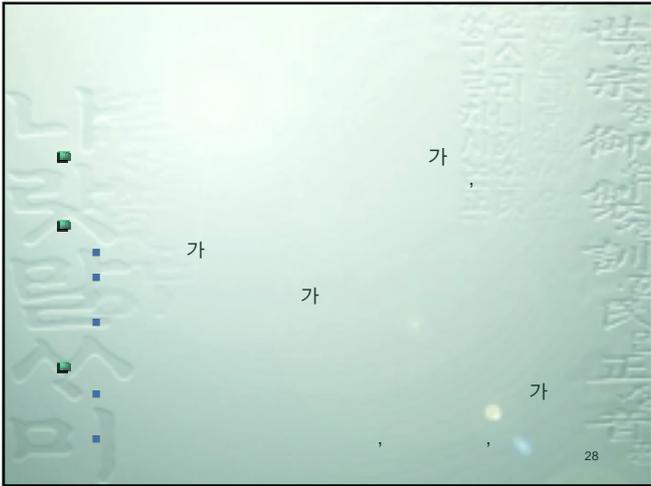
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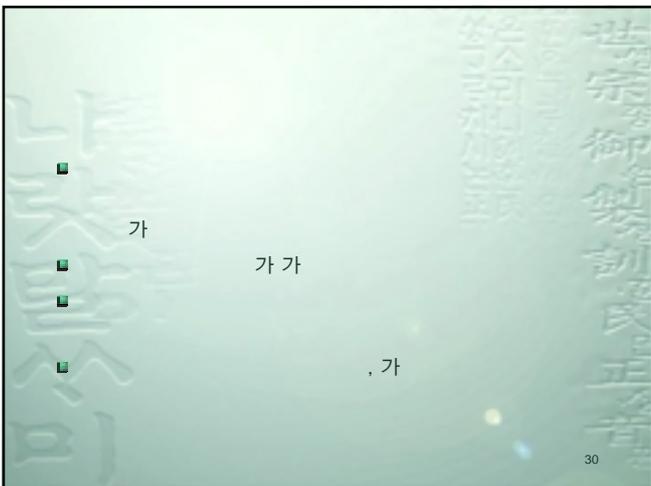




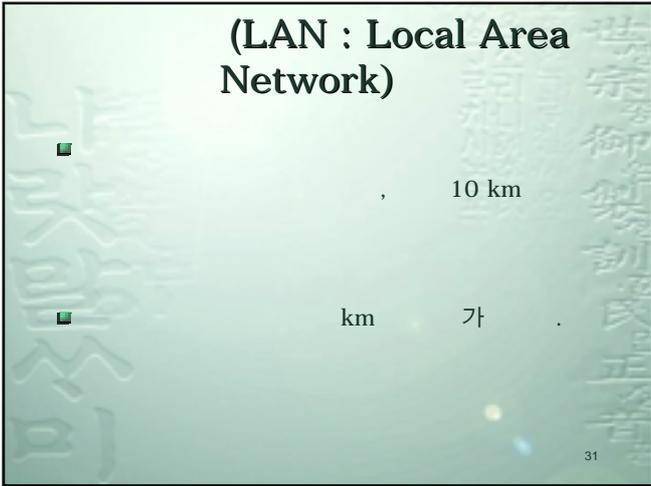




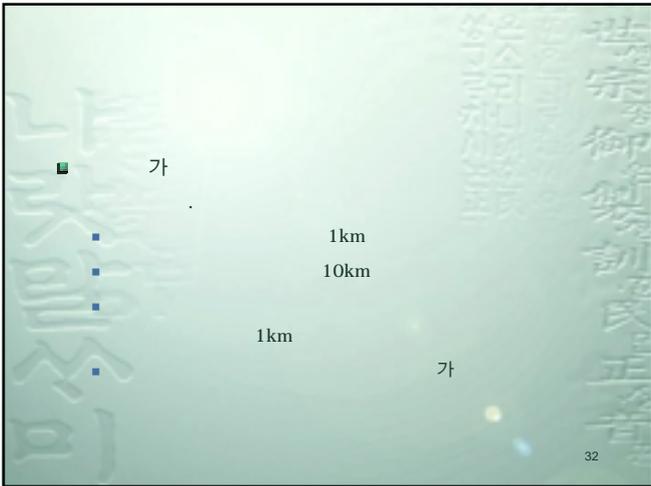




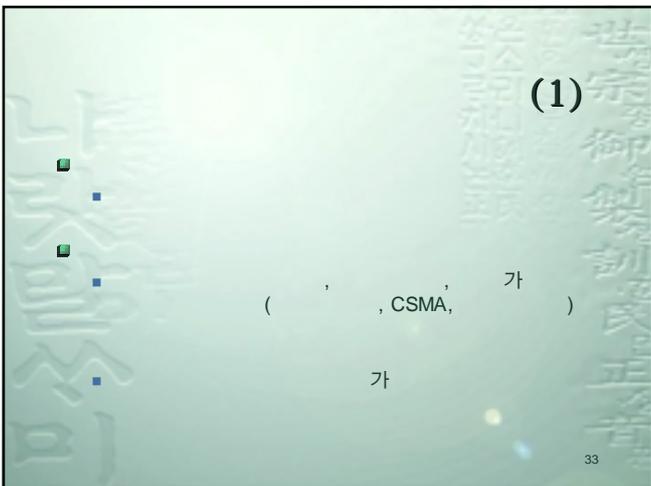
(LAN : Local Area Network)



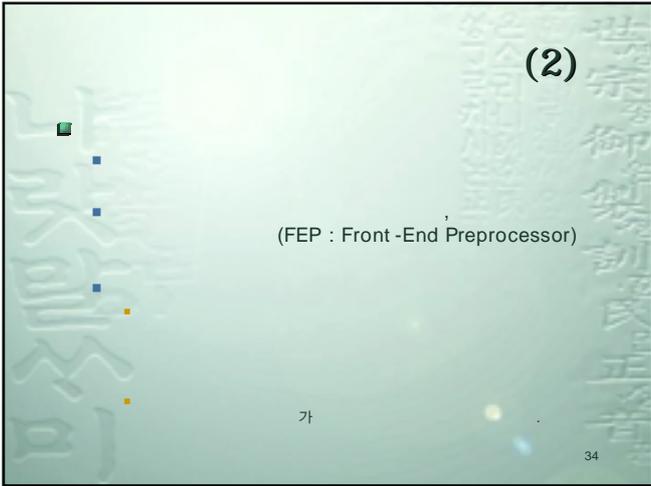
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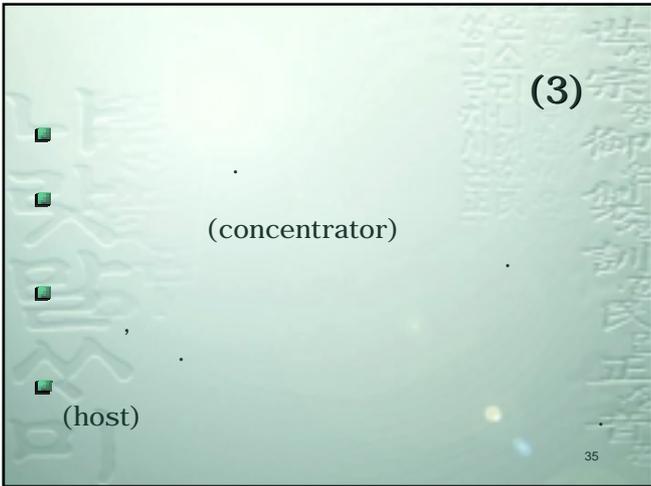


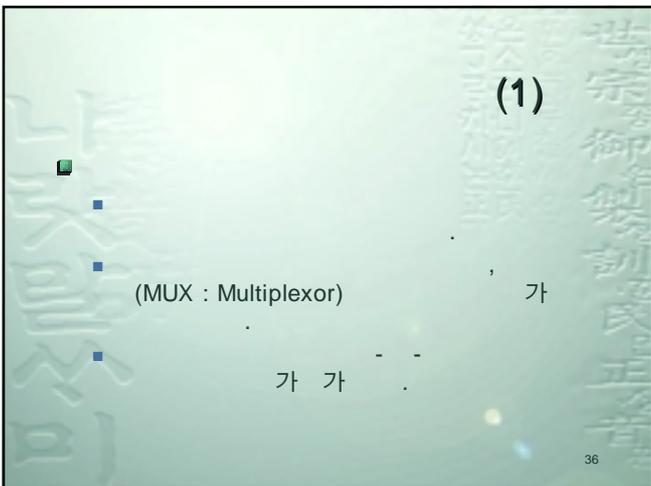
32



33







(point- to- point)

가

(dialup)

37

(1)

(multi- point)

38

(2)

가

가

가

가

39

(3)

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-

(TDM : Time Division Multiplexing)

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(FDM : Frequency Division Multiplexing)

40

(4)

41

(2)

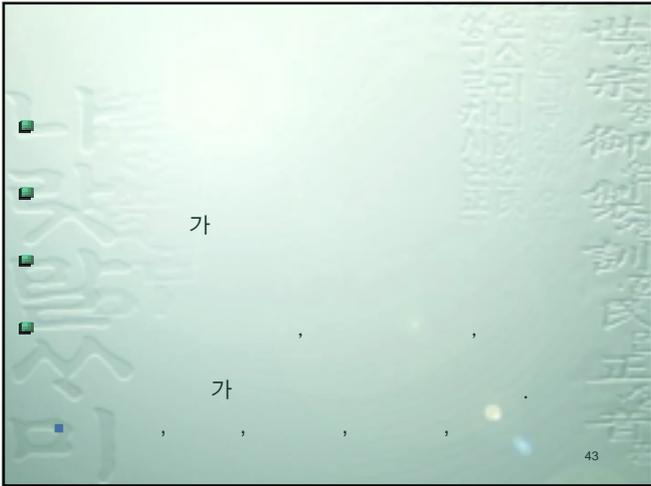
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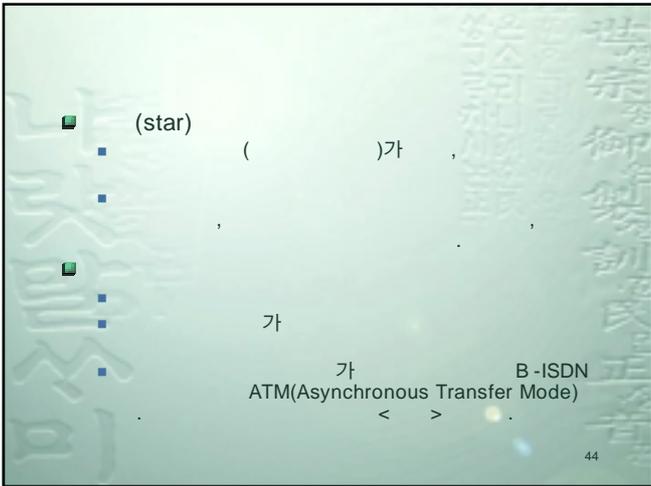
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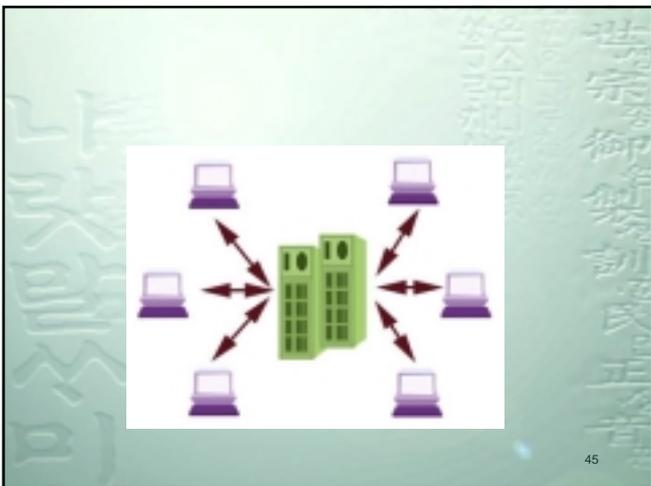
(Local access)

(Backbone)

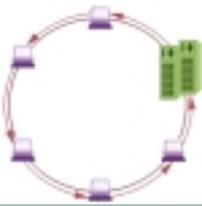
42







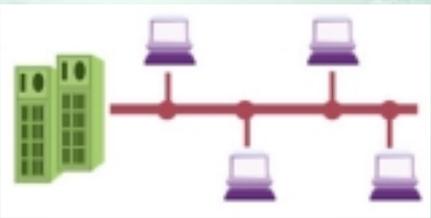
- (ring) (loop)
- FDDI(Fiber Distributed Data Interface)가



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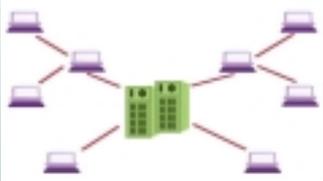
- (bus) (branch)
- 1 가
- 가
- LAN Ethernet CSMA/CD(Carrier Sense Multiple Access/Collision Detect)

47



48

- (tree) 가
- data processing system (distributed)



49

- (mesh) 가
-
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50

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-
- 가
- FDDI, ATM, PSTN(Public Switched Telephone Network), PSDN(Public Switched Data Network)

51

FDDI

- 100Mbps
- 가 ,
- 2km 가 ,
- 200km
- 가 .

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ATM(1)

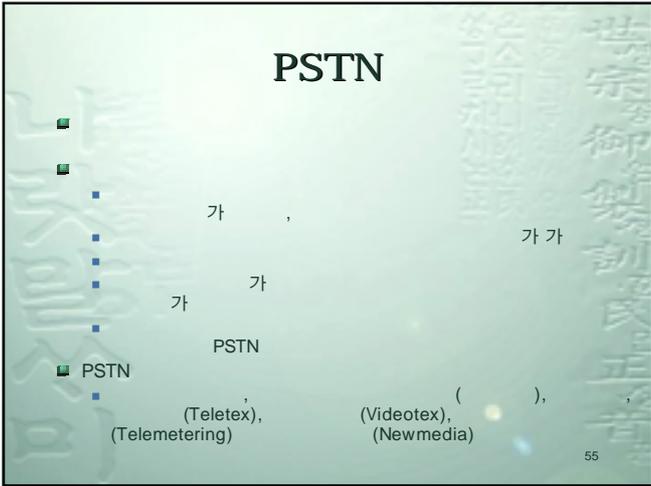
- (cell) (53) TDM
- Mode) (STM:Synchronous Transfer
- 가
- (Connection- Oriented) ATM
- ATM

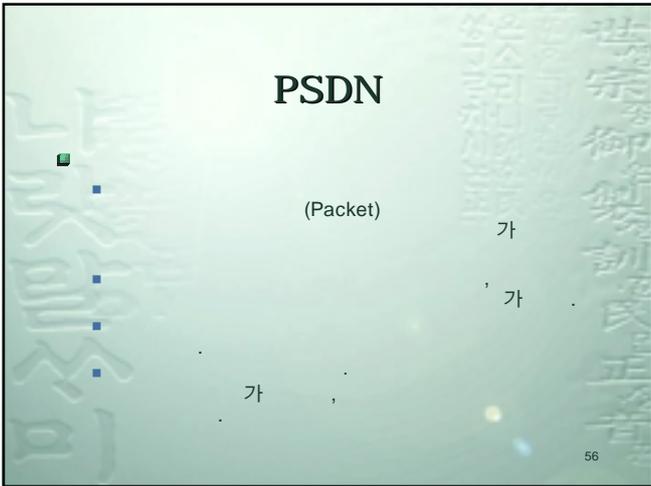
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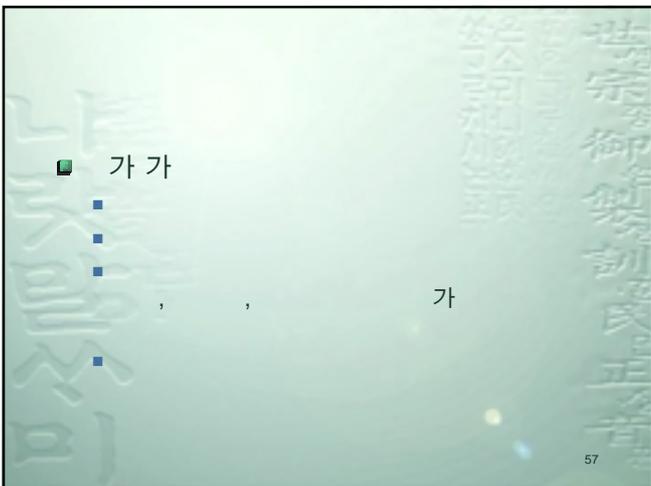
ATM(2)

- ATM
- 가 가 가
- 가 가 가
- 가 가 (VPI) 가 (VCI) 가

54







(ISDN : Integrated Services Digital Network)

, , CCTV

가
가

58

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59

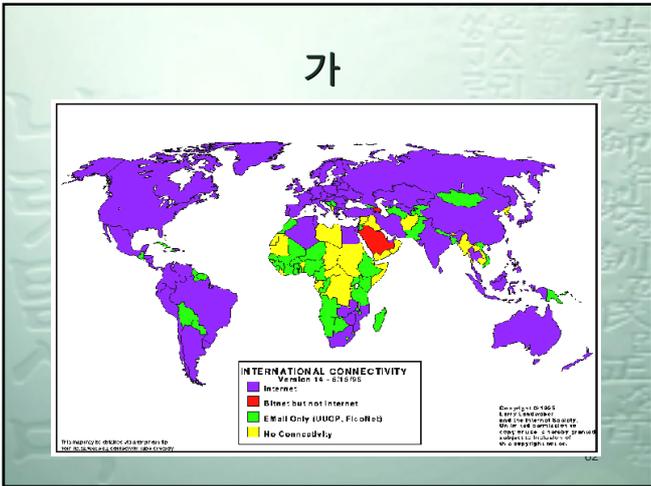
(text) (picture)

(image), (animation), (audio),
(video) 가

60

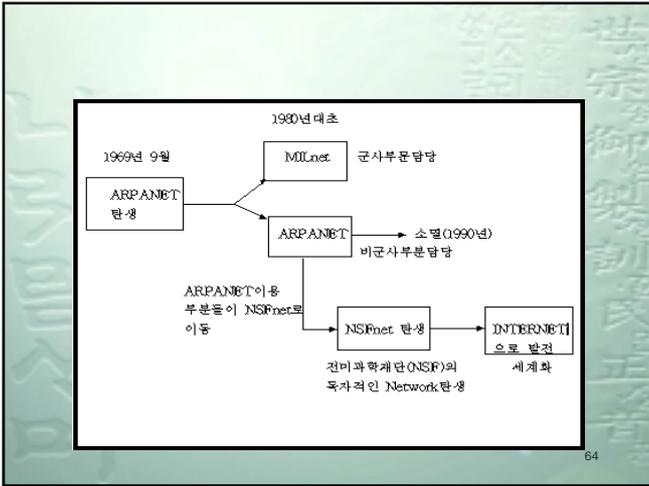
- (Internet)
- (global network)
TCP/IP(Transmission Control Protocol/Internet Protocol)
- 가
- (Network of Network)

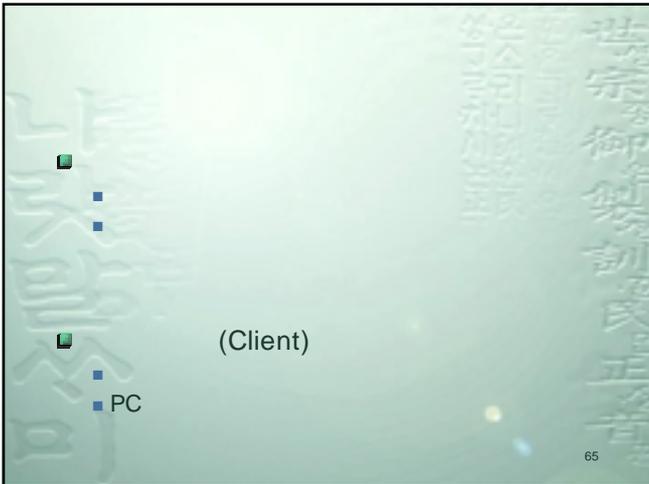
61

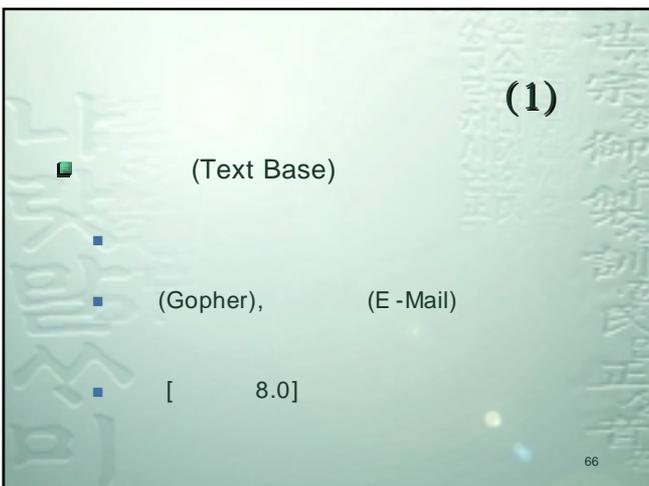


- (Electronic Mail : E-Mail)
- (Business)
- ,
- ,
- ,
- ,
- ,
- TV , (Internet Radio),

63







(2)

(Graphic Base)

“ ” “ ” “ ” (Mosaic)
 SLIP/PPP
 Pseudo SLIP/PPP
 WWW 가
 가

67

	주요 인터넷서비스	도스(DOS)사용프로그램	윈도우즈 사용 프로그램
문자방식 서비스	TELENET	도스용 통신프로그램(예 : 이야기 5.3 이상)	원속(트럼넷, 트윈속 등) 과 이완(EWAN)
	FTP	같음	넷스케이프
	ARCHIE	같음	원속(트럼넷, 트윈속 등) 과 이완(EWAN)
	GOPHER	같음	원속(트럼넷, 트윈속 등) 과 이완(EWAN)
	USENET NEWS	같음	넷스케이프
	IRC	같음	원속(트럼넷, 트윈속 등) 과 mIRC
그래픽 방식	WWW (그래픽, 사운드, 동화상 등 멀티미디어 기능 포함)	불가능	넷스케이프
	Internet Phone	불가능	원속(트럼넷, 트윈속 등) 과 인터넷폰

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(Address)가

(Domain)

'IP'
) IP : 192.168.1.126
 : it.dongseo.ac.kr

69

IP(Internet Protocol)

- TCP/IP

- IP 가 IP

- IP

- 4
0 -255

- : 192.168.1.126 Web Server

70

(Domain Name)

- IP

-

-

-

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) . . . () . . . ()

71

(e-mail)

-

-

-

id

"at"

)
hjlee@dongseo.ac.kr or
hjlee@chollian.dacom.co.kr

()

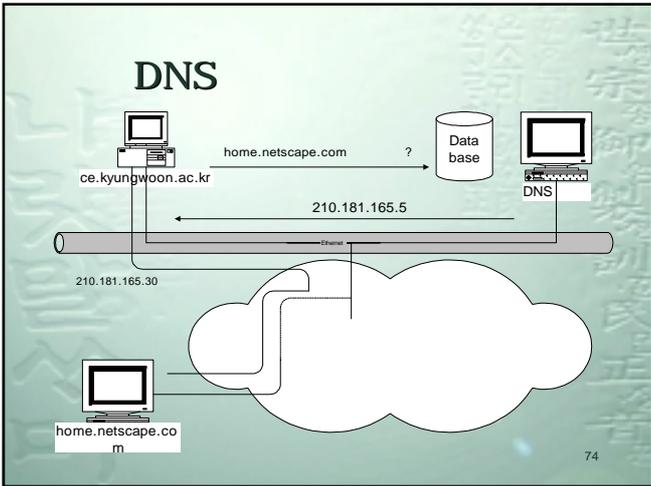
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(1)

가 ()

System: DNS)
가

73



(2)

WWW 가 DNS
(IP)

DNS

203.241.176.13(dns.dongseo.ac.kr)

75

alpha.dongseo.ac.kr ()
 home.netscape.com ()

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가

au	jp	ca
kr	ch	nz
de	pl	dk
ru	es	tr
fr	uk	il
it	va	

77

com	co
edu	ac
gov	go
mil	re
net	nm
org	or

78

(Domain Name)



79
