Index

Α	С	
Address Resolution Protocol, 60	command panel, 5–6	
addresses	icons, 6	
data link layer, 56	compound equipment models, 9	
IP, 59	computing device model, 38	
ISO, 59	architecture, 38	
mask, 59	concatenation rules, 23	
network layer, 59	connection-oriented networks, 2	
analyzing data, 32, 47	connectionless networks, 2	
animation, 31	connectors, 10	
LAN, 47	controls	
out-of-service, 32	bridge model, 44	
packets, 47	IS-IS, 64	
antidromes, 28, 74	OSPF, 66	
controls, 75	printer model, 39	
editing, 75	random variation, 69	
arcs, 10, 19	reliability, 33	
creating, 10	router model, 45	
ARP, 60–61	server model, 42	
assemble components, 9, 73	traffic generators, 28	
attributes, 20	transmission media model, 36	
capacity, 23	workstation model, 40	
concatenation rules, 23	cost attribute, 31	
cost, 31	CSMA/CD, 56	
descriptive, 20		
dialog box, 9	D	
distributional, 22, 67	data link layer, 55	
palette, 29–30	addresses, 56	
performance, 21	DataSource, 71	
ratio, 23	designated router(DR), 62	
scalar, 22	dialog box	
scalar distributional, 22, 67	attributes, 9	
selection, 29	paths, 27	
types, 20	distance vector routing, 62	
	drawing panel, 5	
В	pop-up menu, 5–6	
backup designated router(BDR), 62		
blocked calls, 31	E	
box plot, 12	editing	
bridge model, 43	simple telecom models, 19	
controls, 44	telecom system models, 19	
browsers, 19	End System - Intermediate System, 60, 63	
attributes, 23	equipment models, 2, 9	
saving changes, 20	compound, 9, 15	
systems, 19	pop-up menus, 11	
telecom models, 19	simple, 9, 15	
building a network model, 8	systems, 15	
LAN, 46	telecom, 15	
telecom, 24	ES-IS, 60–61, 63	
•	Ethernet, 56	

expose/hide details, 73	menu bar, 5, 7
F	models connector, 11
fail distn, 34	LAN equipment, 33
formula distribution, 70	restoring, 13
Torrida distribution, 70	saving, 13
Н	telecom equipment, 15
hierarchy	1 1
simple equipment model, 16	N
systems, 17–18	neighbor greeting protocol, 60
histogram, 12	ARP, 61
holding time, 31	ES-IS, 61
hotspots, 10	network interface card
r,	See NIC
I	network layer, 58
icons, 6	addresses, 59
in-service, 26	ARP, 61
inheritance, 16	ES-IS, 61
Intermediate System - Intermediate System	IP address, 59
See IS-IS	ISO address, 59
internetwork device model, 43	neighbor greeting protocol, 60
architecture, 43	network model
IP address, 59	building, 8
IS-IS, 62	building a LAN, 46
controls, 64	building a telecom model, 24
topology, 63	netWorks window, 5
ISO address, 59	NIC, 34
	control panel, 35
L	properties, 35
LAN environment, 33	statistics, 36
LAN equipment models, 33	
bridge, 43	0
computing device, 38	Open Shortest Path First
internetwork device, 43	See OSPF
NIC, 34	OSPF, 62, 64
palette, 46	area border router, 65
printer, 38	backbone, 64
receive processor delay, 39	controls, 66
router, 44	internal router, 65
send processor delay, 39	topology, 65
server, 42	out-of-service, 26, 32
transmission media, 36	_
workstation, 39	Р
LAN subsystem, 2, 33	palette, 7
equipment models, 33	attributes, 29–30
line plot, 12	default, 8
link state routing, 62	LAN, 46
	plots, 12
M	telecom equipment, 7, 24–25
MAC, 34	paths, 25
CSMA/CD, 56	capacity, 26
Ethernet, 56	creating, 26
Token Bus, 56–57	dialog box, 27
Token Ring, 56, 58	endpoints, 27
mask, 59	generation, 26
media access control	in-service, 26
See MAC	out-of-service, 26
menu	terminology, 25
pop-up, 5, 11	plots, 12

box plot, 12 creating, 12 histogram, 12 line plot, 12	LAN, 46 starting, 31 telecom, 25 systems, 15–16
palette, 12	
plots palette, 12 pop-up menu, 5, 11	T talagam anvironment 2 15
printer model, 38 controls, 39	telecom environment, 2, 15 telecom equipment models, 15 palette, 25
processor delay	telecom equipment palette, 24
receive, 39 send, 39	template, 74 Token Bus, 56–57
protocol, 55	Token Ring, 56, 58
MAC, 34, 56	traffic generators, 28, 40, 42
neighbor greeting, 60 network routing, 41	control panel, 28–29 LAN, 40, 42, 46
routing, 45, 61	start delay, 46
pull-down menu, 7	telecom, 28
R	transmission media model, 36 controls, 36
random variation, 67	two wire vs. four wire, 19
control panel, 69	11
DataSource, 71 deterministic, 68	U
erlang, 68	user interface, 3, 5
exponential, 68	W
formula distribution, 70	workstation model, 39
gamma, 68	architecture, 40
iuniform, 68 nonhomogenous poisson, 68	controls, 40
uniform, 68	
receive processor delay, 39	
reference model	
data link layer, 55	
network layer, 58 OSI, 55	
TCP/IP, 55	
reliability controls, 33-34	
fail distn, 34	
restore distn, 34	
restore distn, 34 restoring models, 13	
router model, 44	
architecture, 45	
controls, 45	
routing protocol, 61 distance vector, 62	
IS-IS, 62	
link state, 62	
OSPF, 62, 64	
S	
saving models, 13	
send processor delay, 39	
server model, 42	
controls, 42 shortest path first algorithm, 63	
simple equipment models, 9	
simulation	