

Index

Agenda, 12, 112, 114, 122, 126, 128, 179, 184, 192, Battle of the Sexes 203, 204, 206, 211, 232, 234, 235 collective, 65-66 strategies, 49-50 Agreement, zone of, 10, 11, 155, 173, 242, 257 Bayesian mediation equilibrium, 212 Algeria, negotiation with, 200-201 Alternative offers, 95-96 Beliefs, 11, 27, 52, 65, 80, 83, 88, 108, 110, 160, 174, 177, 180, 183, 189, 229, 241, 244, 245 Altruism, 26 Anchoring effects, 180-81 Best alternative to negotiated settlement, 93 Argentine-Chile territorial dispute mediated by the Pope, 207 sources of, 175-77 Bounded rationality, 244 Arms control negotiation, 54, 144, 147, 163, 188, 189, 241, 247 Brazil, 230, 235 Breaking asymmetric deadlock, 222 Bridging, 143-44, 231 Back-channel negotiation, 57 Backward induction, 22, 70, 73, 74, 88, 96 Brinkmanship, 229 Britain Bargaining distributive, 8, 9, 10, 92, 158 costs of Cod Wars, 8-9 integrative, 8, 9, 148, 202 Bully, game of, 59-60 interactive bargaining models of, 168-70 Burundi civial war (1995-2001) mediation of warring factions in, 203 space, 9, 10, 11, 155, 170 Bargaining behavior Camp David Peace Accord (1978) opening stance, 153, 162-64 Bargaining dynamics mediation by Carter, 203 outcome indeterminacy, 153-60 side payment, 202 Carter, 57, 87, 145, 168, 175, 187, 203, 205, 214, Bargaining game alternating offers, 95-96, 97, 100 256, 263 finite horizon, 96 Cheap talk, 87, 211, 229 impatience, 98-100 Chicken, game of credible threats in, 47-48 infinite horizons, 100 Nash solution, 91-92 China, 6, 28, 59, 81, 82, 169, 187, 221, 225, 248, 251 repeated, 96 Claiming strategies defensive, 111 Bargaining power relative, 11-12, 221, 250 offensive, 170 Climate control negotiation, 67, 220, 221, 225-27 Bargaining problem Nash solution, 158 Coalition bargaining Bargaining range intra-coalition interactions, 228-29 aspiration point, 9, 161, 183, 209 strategies, 229-30 resistance point, 153, 162, 163, 167 Coalition building 1975 US–Soviet Grain Agreement, 193–94 Bargaining space geometric representation of, 156-57 tactics, 194 negotiation on a single continuum, 155-56 Cod Wars, 8-9 uni-dimensional contract zone, 154-55 Coercion, 236



Cognitive bias	Defection, 30, 31, 33, 42, 57, 63, 66, 224, 229
sources of, 175-77	De-linkage, 143
Cognitive process, 176, 245	Deterrence, 73, 74, 75
Collective action game, 60-61	Dictator game, 251
Commitment, 12, 65, 75, 76, 77, 78, 79, 113, 126,	Diminished returns with decay, 96-98
127, 128, 133, 179, 192, 211, 229, 244, 270	Disagreement point, 91, 92, 95, 157, 250, 251
Communication	Discount rate, 98, 100, 101, 102, 221
control of, 210	Discount value, 99, 102
strategic nature of, 210–12	Division rule, 92–93
Competition, 4, 5, 6, 9, 35, 65, 115, 116, 129, 177,	
178, 179, 248, 256	El Salvador
Competitive dynamics, 178–79	ending civil war, 127
Compromise, 59, 98, 114, 121, 138, 140, 166, 169,	the Farabundo Marti National Liberation Front
177, 191, 209, 231	(FMLN), 117, 128
Concession	Emotional effects
behavior, 10, 161–62, 179	negative, 183–84
frequency, 162, 164–66	positive, 183, 185
magnitude, 161, 167	Endowment effects. <i>See</i> anchoring
rate, 161, 162, 164–66, 167, 168	Arab League Proposal to Saddam Hussein, 181
Concession making	Equilibrium
models of, 160–61	cooperative, 81
reciprocal, 167	pooling, 87
Conflict settlement, 248	subgame perfect, 70, 71, 73, 74, 76, 78, 96
Conformity, 179	unstable, 51
Conformity, 179 Conformity pressure, 179–80	Equilibrium refinement, 72–74
Conversion	Escalation, 47, 87, 111, 118, 120, 179, 195, 241, 244
change in offers, self- and other-oriented forces, 166–67	European Community, 224, 233 Exploitation, 39, 59, 109, 160, 188, 207, 220
	Exploitation, 37, 37, 107, 100, 100, 207, 220
Conversion process	Fair division scheme, 141–42
bargaining zone, 155	Fairness, 6, 25, 92, 108, 109, 111, 116, 148, 159, 181
US-Soviet negotiation, 154	207, 251
Cooperation	Falkland Islands, conflict over
mutual, 28, 42, 50, 51, 53, 188	
Cooperative game, 90, 108, 152, 158, 220, 250	mediation by the US, 213
Coordination game, 51, 52, 54, 64, 66	First move advantage, 77, 80
Cost-cutting, 144–45	Focal point
Credibility	randomizing device, 208
threat, 82	Formula, 6, 91, 126, 131, 132, 133, 220, 224,
Crisis negotiation, 113	249
Cuban Missile Crisis	Framing, 111, 114, 181
Kennedy, 134	Free riders, 62
Khrushchev, 113	
Cyprus	Gains
negotiations between Greek and Turkish	absolute, 9
Cypriots, 131, 140, 144, 179	relative, 152, 160, 214, 246, 253
	Game
Deadlock	asymmetric, 60
breaking, 138	constant-sum, 35, 39
sources of, 130-31	hybrid, 59
Deadlock game, 53	incomplete information, 84
Decision making	sequential, 68-70, 71, 78, 96
intra-party, 188	simultaneous, 70, 73



Game theory	roles, 201–203
application of, 27-28, 243	shuttle diplomacy, 200
expected utility, 25-26, 37, 40	Mediator
payoffs, 24, 25, 26, 28, 29, 30, 37, 38, 40, 41, 47,	bias, 212–15
49, 51, 56, 60, 64, 66	impartiality, 212–15
player, 22, 24, 25, 26, 27, 29, 37, 38, 39, 41, 48, 58,	neutrality, 212–15
60, 212	scanning device, 210
rationality, assumption of, 26-27	selector of a focal point, 207-208
strategy, 22, 24	triadic interaction, 215–17
Game tree, 69, 70, 72, 74, 76, 78, 84, 86, 88	Midcourse corrections, 139-41
Guatemala, 117, 136, 245, 253, 263, 269	Minimax
	for zero-sum games, 35
Hardin, Garret, 61	theorem, 35
Hybrid game, 59	value, 35, 36
,	Mixed motive games, 109, 186
Iceland	Montreal Protocol, 223, 233, 234
tactics in Cod Wars, 9	Morgenstern, Oskar, 35
Information	Multilateral negotiation
incomplete, 84, 152	bargaining structure, 219–20
private, 203, 210, 212, 213	coalition building, 220–21
Information processing	institutional context, 231–32
biased information search, 174	procedural tactics, 235-37
Institutional context	secretariat, 233–34
bureaucratic interests, 191-93	Mutual cooperation. See Cooperation: mutual
organizational decision making, 191-93	
Intellectual property, 14, 122, 223, 230, 231, 233,	Nash equilibrium, 44-45, 52, 58, 60, 61, 66, 70, 92,
235, 236	211
Interdependence, 4, 22	Nash solution
Intermediary role, 137, 202	bargaining problem, 5
International negotiation, 4, 14, 15, 27, 50, 55, 79,	disagreement point, 91
118, 172, 195	Negotiation
Intra-coalition interactions, 228–29, 256	behavior, 115-16, 188, 244
Iranian hostage crisis	context, 248-50
Algerian shuttle diplomacy, 200-201	cooperation, 3–4
Israeli-Palestinian negotiation, 145	definition, 4
Issue linkage, 55, 142–43, 193, 233, 249	emotional interference, 182-85
	essence, 5–6
Kennedy, John F., 57, 134, 207, 240	interests, 3–4
Kyoto Protocol, 221, 226	labor-management, 14
	linkage, 248–50
Law of the Sea negotiation, 11	non-cooperative nature of, 108–10
London Conference on Saving the Ozone Layer,	package deals, 142
223	personality, 185–88
	skills, 242–43
Maximin, 35. See Minimax	social interactions, 3
Mediation	socio-psychological process, 173-75
conduit for rationality, 208-10	style, 245–48
facilitation, 200	Sudan, 120
functions of, 200-201	theory, 257
improving efficiency, 206	Negotiation analysis
process a U.Snegotiation with NorthVietnam	descriptive, 239–45, 270, 275
ssistance, 204–205	prescriptive, 239–45, 270, 275



Negotiation behavior, 115-16, 263	Package deals, 142
Negotiation context	Panama
institutional, 188–91	Canal negotiations, 11, 130-31, 146
organizational decision making, 191-93	formula proposal, 133
political, 188–91	negotiation tactics, 145-46
Negotiation culture	US defense rights in Canal Zone, 130-31
high context, 246-47	133
low context, 246-47	Panama Canal Treaty, 127
Negotiation dynamics, 110-12	Pareto-optimal frontier
Negotiation framework	Fair solution on, 158-59
ground rules, 122	Pareto-optimality, 32, 55
issues, 121	Perception, 108, 109, 111, 139, 179, 212
precondition, 123	Personality
procedures, 121, 122, 147, 150, 234	Arafat, Y., 186
venue, 123	Barak, E., 186
Negotiation outcome	Brzezinski, Z., 187
cognitive aspects, 252–53	features, 186
justice, 250–52	Gorbachev, M., 186, 188
Negotiation process	Israel-Palestinian negotiation, 186
breaking impasses, 11, 113, 117, 133, 138,	psychological fallacies, 187
139	Rabin, Y., 186
last stage of, 145-48	Sudanese talks, 2003, 187
sequential vs. simultaneous, 116–18	Vance, Cyrus, 188
Negotiation process models	Persuasion, 134
episodic, 113	Political environment, control of, 136
phase model, 114	Pre-game communication, 57-58
Negotiation situation, 5, 8, 111	Prenegotiation, 192, 234
Negotiation strategy	Prisoner's Dilemma
distributive, 7, 8, 9, 10, 12, 13, 14,	social dilemma, 32
229	Probability, 39, 40, 41, 63, 111, 181, 191
dominant, 30-32	problem solving, 8, 12, 116, 122, 176, 185
influence, 4, 12, 76, 109, 235	Procedural innovation, 134–35
information, 84	Promise, 80, 133, 146, 147
integrative, 8, 9, 12, 14, 140	Proposal making, 12, 121, 122, 126
sequential mixture of integrative and distributive	Psychological dynamics, competitive
strategies, 13	non-rational escalation of conflict, 178
setting deadline, 137	reactive devaluation, 178
North Korea, 26, 58, 76, 77, 84, 86, 110, 135, 156,	zero-sum assumption, 178
180, 190, 251, 254	Public commitment, 194-95
Northern Ireland	Public goods, 17, 62, 220
All-Party Talks, 201, 204	Public health coalition, 230–31
intermediary role, 201–202	Punishment
Nuclear test ban treaty, 154, 192	and defection, 31, 46-47
Offensive claiming, 134, 170	Rapoport, Anatol, 188
Offer-counter, 244	Rate of return, 99
Oslo peace accord, 80, 136	Ratification
Outside Intervention, 138–39	domestic politics, 145, 146, 148
Outside options, 9, 93, 240	Rationality
Ozone negotiation	assumptions, 16
bargaining impasse, 224	Reciprocity, 109, 116, 143, 159, 163, 184,
Toronto groups, 224	253



Reframing	Sudanese civil war
Panama Canal negotiation, 133	mediation by Intergovernmental Authority or
Repeated games, 83	Development, 213-14
Repeated interactions, 74, 83, 244	Surplus, 89, 92, 96, 97, 98, 99, 100, 102, 108
Reputation, 45, 74, 102, 134, 189, 195, 231	
Reservation value, 10, 129, 153, 155, 163, 164,	Tactics
252	persuasive, 134
Resistance point, 108, 110	Third party roles, 201–203
Risk	Threat
averse, 181	in bargaining, 81–83
neutral, 181	Tit-for-tat, 188
taking, 181-82	Tradeoffs, 142, 177
Rollback equilibrium, 97	Tragedy of the Commons, 61-63, 66
Rubenstein bargaining game, 100–103	Trust, 51, 119, 129, 132, 133, 147, 167, 184, 210, 211, 213, 229
SALT negotiations. See US-Soviet Geneva Arms	Two-level games
Talks	internal negotiation, 193
Kissinger, 132, 133, 189, 192, 253, 269	
Schelling, Thomas, xiii, 14, 38, 47, 75, 82, 132, 195,	US-China trade negotiation
269, 274	salami tactics, 83
Screening, 86–88	strategic action, 81-82
Second-mover advantage, 78	threat, 81–82
Security level, 37	US negotiation with North Korea
Sequential vs. simultaneous moves, 116–18	Battle of the Sexes, 55–56
Shapley value, 93–94	side payment, 55–56
Shrinking surplus. See Diminished returns with	threat, 56–57
decay	US negotiation with North Vietnam, 110, 118
Shuttle diplomacy	US-Panama negotiation
Biafran civil war, 201	control in the Canal Zone, 127
Sidepayment, 55–56	Panamanian goal, 127
Signaling games, 87, 88	US–Soviet Geneva Arms talks, 192
Skills	Ultimatum game, 94–95
bargaining, 170, 256	UN Convention on Climate Change, 225
South Africa	UN Seabed Negotiation, 11, 141
African National Congress, 121, 128, 134, 139,	Uncertainty
182	in negotiation, 134–35
exploratory dialogue, 128	in Prisoner's dilemma game, 33, 41
Soviet Union, 3, 8, 11, 47, 54, 57, 76, 114, 129, 133,	United Kingdom
137, 166, 168, 187, 188, 224, 233, 275	Falkland Islands war, 194, 213
Status quo, 9, 11, 48, 53, 80, 81, 95, 168, 181, 202,	naval base negotiation with Malta, 11
220, 221, 230, 238, 250	United States
Strategic interaction, 4, 21–23, 69, 217, 220	Grain sales to the Soviet Union, 193–94
Strategic moves	trade liberalization, 236
credibility, 77, 78, 79, 82, 230	Uruguay Round agreements
Strategy, game theory	Trade-Related Aspects of Intellectual Property
dominant, 30, 32, 41, 47, 50, 53, 60	Rights (TRIPS) agreement, 229
	Utility
mixed, 39, 41	•
pure, 38, 39, 40, 41, 63	payoffs, 103
randomization of, 39, 41	V-l d-ii 0 222 22
Structure of game, 52–53, 60, 61, 66, 67	Value claiming, 9, 222–23
Subgame perfect equilibrium, 70, 71, 73, 74, 76, 78, 83, 96, 101–103	Value claiming stalemate, 223–25 Value creation, 9, 182



284 INDEX

Vance, Cyrus, 187
Vatican. See Argentine–Chile territorial dispute
Beagle Channel award, 207
mediation of, 201–202
Vienna Convention for the Protection of the Ozone
Layer, 223
Volunteer's Dilemma, 63–64
Von Neumann, John, 35

War of attrition, 6, 9, 75, 131 Winner's curse, 178, 244, 253 Wise counselor, 137–38 World Trade Organization (WTO) negotiation Doha Round, 230 Green Room caucuses, 232 Like Minded Group (LMG), 229 Public Health Coalition, 231