

Contents

Foreword	ix
Preface	xi
Acknowledgments	xxiii
Problem Set 0	1
Problem Set 1	3
Problem Set 2	5
Problem Set 3	7
Problem Set 4	9
Problem Set 5	11
Problem Set 6	13
Problem Set 7	15
Problem Set 8	17
Problem Set 9	19
Problem Set 10	21
Problem Set 11	23
Problem Set 12	25
Problem Set 13	27
Winter Competition	29
Problem Set 14	32
Problem Set 15	34

Problem Set 16	36
Problem Set 17	38
Problem Set 18	40
Problem Set 19	42
Problem Set 20	44
Problem Set 21	46
Problem Set 22	48
Problem Set 23	50
Problem Set 24	52
Problem Set 25	54
Problem Set 26	56
Problem Set 27	58
Problem Set 28	60
Solutions to Problem Set 0	63
Solutions to Problem Set 1	66
Solutions to Problem Set 2	69
Solutions to Problem Set 3	73
Solutions to Problem Set 4	78
Solutions to Problem Set 5	83
Solutions to Problem Set 6	87
Solutions to Problem Set 7	90
Solutions to Problem Set 8	95
Solutions to Problem Set 9	98
Solutions to Problem Set 10	102
Solutions to Problem Set 11	106
Solutions to Problem Set 12	114
Solutions to Problem Set 13	118
Solutions to the Winter Competition	121

Contents	vii
Solutions to Problem Set 14	130
Solutions to Problem Set 15	134
Solutions to Problem Set 16	140
Solutions to Problem Set 17	144
Solutions to Problem Set 18	147
Solutions to Problem Set 19	153
Solutions to Problem Set 20	159
Solutions to Problem Set 21	164
Solutions to Problem Set 22	168
Solutions to Problem Set 23	173
Solutions to Problem Set 24	176
Solutions to Problem Set 25	179
Solutions to Problem Set 26	182
Solutions to Problem Set 27	185
Solutions to Problem Set 28	188
Mathematical Maze	193
Two and Two Is More Than Four: A Story	205
Addendum: The San Jose Experience by Tatiana Shubin	215
Problem Set SJ1	219
Solutions to Problem Set SJ1	221
Problem Set SJ2	227
Solutions to Problem Set SJ2	229
Problem Set SJ3	235
Solutions to Problem Set SJ3	237