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Nota di contenuto	Preface; Acknowledgements; Contents; Chapter 1 PIONEERS OF EVOLUTIONARY THOUGHT; Chapter 2 CHARLES DARWIN'S LIFE AND WORK; Chapter 3 MOLECULAR BIOLOGY AND EVOLUTION; Chapter 4 STATISTICAL MECHANICS AND INFORMATION; Chapter 5 INFORMATION FLOW IN BIOLOGY; Chapter 6 CULTURAL EVOLUTION AND INFORMATION; Chapter 7 INFORMATION TECHNOLOGY; Chapter 8 BIO-INFORMATION TECHNOLOGY; Chapter 9 LOOKING TOWARDS THE FUTURE; Appendix A ENTROPY AND INFORMATION; Appendix B BIOSEMIOTICS; Index
Sommario/riassunto	This highly interdisciplinary book discusses the phenomenon of life, including its origin and evolution (and also human culturalevolution), against the background of thermodynamics, statisticalmechanics, and information theory. Among the central themes is theseeming contradiction between the second law of thermodynamics and thehigh degree of order and complexity produced by living systems.