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Nota di contenuto	Multistate Systems Reliability Theory with Applications; Contents; Preface; Acknowledgements; List of abbreviations; 1 Introduction; 2 Basics; 3 Bounds for system availabilities and unavailabilities; 4 An offshore gas pipeline network; 5 Bayesian assessment of system availabilities; 6 Measures of importance of system components; 7 Measures of component importance - a numerical study; 8 Probabilistic modeling of monitoring and maintenance; Appendix A Remaining proofs of bounds given in Chapter 3; Appendix B Remaining intensity matrices in Chapter 4; References; Index
Sommario/riassunto	Most books in reliability theory are dealing with a description of component and system states as binary: functioning or failed. However, many systems are composed of multi-state components with different performance levels and several failure modes. There is a great need in a series of applications to have a more refined description of these

states, for instance, the amount of power generated by an electrical power generation system or the amount of gas that can be delivered through an offshore gas pipeline network. This book provides a descriptive account of various types of multistate sys
