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Nota di contenuto	Intro -- Preface -- Organization -- Awards and Keynote Lecture -- The 2015 Edsger W. Dijkstra Prizein Distributed Computing -- The 2015 Doctoral Dissertation Awardin Distributed Computing -- DISC 2015 Invited Lecture:System Algorithms for the Cloud and Big Data -- Contents -- On the Computational Complexity of MapReduce -- 1 Introduction -- 2 Background and Previous Work -- 2.1 MapReduce -- 2.2 Complexity -- 3 Models -- 3.1 MapReduce and MRC -- 3.2 Nonuniformity -- 3.3 Other Models of Parallel Computation -- 4 Space Complexity Classes in MRC0 -- 5 Hierarchy Theorems -- 6 Discussion and Open Problems -- References -- Efficient Counting with Optimal Resilience -- 1 Introduction -- 1.1 Contributions -- 1.2 Prior Work -- 1.3 Structure of the Article -- 2 Preliminaries -- 3 Optimal Resilience Boosting -- 3.1 The Road Map -- 3.2 Agreeing on a Common Counter

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Sommario/riassunto

This book constitutes the proceedings of the 29th International Symposium on Distributed Computing, DISC 2015, held in Tokyo, Japan, in October 2015. The 42 full papers and 14 short papers presented in this volume were carefully reviewed and selected from 143 submissions. The papers feature original contributions to theory, design, implementation, modeling, analysis, or application of distributed systems and networks.
