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Numerous graphs illustrate the accelerations that can be achieved on actual parallel equipment by implementing parallel algorithms developed in the text. As a result, students learn to use new parallel computer technologies effectively. A number of additional features make this book distinctive: it surveys some of the most popular parallel computer architectures, including Thinking Machines' CM-5, Paragon XP/S Intel and Symmetry Sequence; it covers some of the most popular parallel programming languages, including Fortran 90, C, Linda and OCCAM; A glossary of parallel computational terminology contains all the terms defined in the text; More than 200 exercises cover a range from evidence to programming assignments; Exceptionally large bibliography provides ample opportunities for further study; and the library's telephone numbers make it easier to access frequently cited journals and proceedings. Malektaji S, Lima I, Escobar I. 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