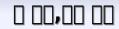
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Glenn Brookshear, 2003 Computer Science An Overview truly lives up to its title providing an introduction to the entire computer science discipline This broad coverage combined with clear explanations has made it the leading textbook for the beadth first CS0 course The text is unique in that it avoids presenting topics from the perspective of any particular programming language Moreover the text communicates the dynamics of computer science by presenting topics in a historical perspective in which past developments the current state of the art and directions of research are discussed The result is a balanced realistic picture of computer science including such topics as programming languages operating systems algorithms software engineering networking database design artificial intelligence and machine architecture This seventh edition has been thoroughly updated to discuss important trends in such areas as networking and the Internet software engineering and artificial intelligence Topics added include open source development associative memory XML and C Thought provoking discussions of ethical and legal issues revolving around computing are integrated into each chapter rather than being presented as separate isolated topics Development Jeri Freedman, 2014-12-15 Love creating applications and working with computers A career in software development might be calling you Learn the ins and outs of software development and how you can make this hot tech job Public Health Informatics and Information Systems J.A. 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Fu, Jr., 2013-11-29 This revised vours edition covers all aspects of public health informatics and discusses the creation and management of an information technology infrastructure that is essential in linking state and local organizations in their efforts to gather data for the surveillance and prevention Public health officials will have to understand basic principles of information resource management in order to make the appropriate technology choices that will guide the future of their organizations Public health continues to be at the forefront of modern medicine given the importance of implementing a population based health approach and to addressing chronic health conditions This book provides informatics principles and examples of practice in a public health context In doing so it clarifies the ways in which newer information technologies will improve individual and community health status This book s primary purpose is to consolidate key information and promote a strategic approach to information systems and development making it a resource for use by faculty and students of public health as well as the practicing public health professional Chapter highlights include The Governmental and Legislative Context of Informatics Assessing the Value of Information Systems Ethics Information Technology and Public Health and Privacy Confidentiality and Security Review questions are featured at the end of every chapter Aside from its use for public health professionals the book will be used by schools of public health clinical and public health nurses and students schools of social work allied health and Computer Science: An Overview, Global Edition J. Glenn Brookshear, Dennis Brylow, 2019-02-13 environmental sciences Develop a core understanding of the concepts of modern computer science Computer Science An Overview 13th edition Global Edition by J Glenn Brookshear and Dennis Brylow is written for students from all backgrounds giving you a bottom up concrete to abstract foundation in the subject Its broad coverage encourages a practical and realistic understanding of computer science covering all the major concepts The book s broad background exposes beginning computer science students to the breadth of the subject they plan to major in and teaches students from other backgrounds how to relate to the technical society in which they live Learn in a flexible way with independent chapters you can study in any order with full colour design to help you engage with the information The text also uses Python to provide programming tools for exploration and experimentation in your learning This 13th edition has been corrected and updated in each chapter to refine your learning experience With more than 1 000 questions and exercises the book trains your thinking skills with useful chapter review problems and contains questions surrounding social issues to reinforce core concepts This text is comprehensive and highly accessible making it ideal for undergraduate studies in computer science This title has a Companion Website Informatika J. Glenn Brookshear, 2015-01-01 Jste studenti informatiky nebo se o informatiku zaj m te D ky t to knize prov en v zahrani n kolika vyd n mi z sk te nejen celkov p ehled o oboru informatika ale pochop te i vz jemn souvislosti mezi jeho jednotliv mi discipl nami Autor tak kladl d raz na to aby prob ran l tka z stala p stupn i pro studenty netechnick ch obor V klad t to u ebnice vych z z principu od konkr tn ho k abstraktn mu Text vznikl na z klad mnoha let praktick v uky a d ky tomu je pln pedagogick ch prvk Z sadn v znam m v ce ne 1000 probl mov ch situac kter pom haj p i zapojen student Naleznete je v sekc ch Ot zky a cvi en lohy na procvi ov n t mat kapitoly a Spole ensk ot zky V knize najdete mimo jin n sleduj c t mata K dov n informac a ukl d n dat Po ta ov architektura Opera n syst my Po ta ov s t Algoritmy a programovac jazyky V voj softwaru Metody na zdokonalen p stupu k informac m Po ta ov grafika Um l inteligence Abstraktn teorie vy slitelnosti Jednotliv kapitoly a jejich sti jsou na sob nez visl a lze je st jako samostatn jednotky nebo zm nit jejich uspo d n tak aby poskytly alternativn v ukov sm r Na vodn str nce ka d z kapitol jsou n kter sti ozna eny hv zdi kami jako voliteln Jedn se o pas e kter se zab vaj speci ln j mi t maty p padn zkoumaj tradi n j t mata do v t hloubky O autorovi J Glenn Brookshear je emeritn m profesorem Marquette University kde vedl kurzy form ln ho jazyka informatiky a teorie vy slitelnosti

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Approaches to Enhance the Performance of Simheuristic Methods in the Optimisation of Multi-echelon Logistics Distribution Networks Majsa Ammouriova,2021 Management of logistics distribution networks is a challenging task Decision makers rely on logistics assistance systems that recommend actions to optimise the networks These systems can be based on simheuristics to benefit from metaheuristics in exploring possible solutions and on simulation for modelling the networks This book presents three approaches to recommend promising solutions to optimise the networks with fewer simulation runs The first approach utilises information from the network to guide the search of metaheuristics In this approach domain specific information is defined and assigned to actions The metaheuristic algorithm utilises this domain specific information to find more promising solutions The second approach is reducing the number of possible solutions by grouping actions with respect to their domain specific attributes Here the smaller solution space decreases the number of required simulation runs The last approach looks for equivalent solutions that cause the same changes in the network This approach aims to skip unnecessary evaluations and thus simulation effort

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