

inference rules but also about a *strategy* that chooses which rules will be applied, and that a key issue of logic programming is trying to make it easy to find a good strategy (for instance by using only a single inference rule, by using unification, and by restricting the attention to logic programs).

The third part finally contains three more advanced topics that can be read more or less independently from each other. Chapter 6 discusses resolution over non-standard algebras and infinite derivations. Chapter 7 shows that all computable functions can be computed by a logic program, and proves some other complexity-results. Chapter 8 finally discusses negation in logic programs, and SLDNF-resolution. This last part contains some very recent results and will also be of interest to researchers in the field of logic programming.

The book contains many exercises, and sometimes interesting theorems and results are only mentioned in these exercises. However, no solutions are provided, and some of the exercises are hard.

F. Piessens

Parallel Supercomputing in MIMD Architectures

R. Michael Hord (ed.)

Times Mirror International Publishers Ltd., c/o Excel Logistics, 3 Sheldon Way, Larkfield, Aylesford, Kent, ME20 6SF, England, ISBN 0-8493-4417-4, Price 61,00 Pounds Sterling,

As the title suggests, the author is focussing his attention on Multiple Instruction stream/Multiple Data stream (MIMD) parallel processing, as defined by Flynn's taxonomy, and this book compliments an earlier volume dedicated to SIMD architectures. The book gives a very comprehensive review of MIMD architectures, both from the recent past and present, with the emphasis firmly on the high performance end of the market. However, there is no description of the Cray XMP or YMP series and this omission is entirely justified as they have already received much coverage in other books and journals. This, therefore, left much more room for the author to concentrate on more "novel" systems.

Following a brief introduction and background to supercomputing, the 400 pages contained in the book are divided into three main areas: Part 1- *MIMD Computers* is by far the main section of the book and detailed descriptions of the CM-5, NCUBE, BB N Butterfly, Intel Paragon, and a wide range of other architectures, including some research machines, are presented. Part 2- *MIMD Software* deals with software associated with MIMD systems, including operating systems, languages and software tools. Finally, *MIMD Issues* are presented in Part 3, such as scalability, partitioning and heterogeneous networks.

As with any book trying to produce a survey in this particular field, the author necessarily has to omit many new developments or the book would never get to print because the market is changing so rapidly. Since its recent publication, several other noteworthy systems have been developed and brought to market, notably the Cray T3D, IBM SP1/SP2 and Meiko CS-2. However, this does not detract from the book's value and it is clearly a welcome addition to the growing literature on parallel computing. Its focus on the high performance computing end and detailed description of the architectures will ensure that it rightly occupies an important corner of the market.

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Neural Networks for Pattern Recognition Albert Nigrin

M.I.T. Press, Fitzroy House, 11, Chenies Street, London WC1E 7ET, ISBN 0-262-14054-3, Cost 40.50 Pounds Sterling,

This book brings together an updated version of the work performed by the author in his Ph.D. dissertation. It provides a unifying approach to pattern classification within a framework which addresses both spatial pattern recognition (static patterns) and patterns that evolve over a period of time (dynamic patterns such as speech or music).

The book is divided into 8 chapters. Chapter 1 provides a general introduction to the subject and, apart from requiring a reasonable amount of mathematical knowledge, provides a very readable account of the subject. The author also

This will help you to: consider your strengths and weaknesses in English grammar and business vocabulary: identify and practise your immediate and future needs for grammar and vocabulary: determine the order in which you work through the units in this book. Step 2. Step 1. Familiarize yourself with the Learning journal (page 7), to which you are asked to refer at the end of every Practice section. Step 3. Work through the units in the order you feel most appropriate to your needs and interests. We hope you enjoy using this book. Susan Lowe and Louise Pile Authors. Exercises to train these new words. He sometimes goes to expensive restaurants with friends. He also reads a lot of books about strange things. Many people say he is a strange man, but I like him very much. 5. Give English equivalents to these word combinations: 7. Express the same in English. 1. I have bought (I bought) various fruits - apples, pears, apricots, and peaches. 2. We are very different - I like staying at home and leading a quiet lifestyle, but Mary often goes to the theatre, cinema, parties. It was through his interest in this field that he invented the telephone years later. After graduating from the University of London, Alexander was a teacher of the deaf. The family moved to America where Alexander's father had been asked to read lectures. articles exercise exercise based on the opening text in thanks million please complete the following exercise using (no article) in the underlined spaces where. excellent book Singular countable noun; first mention; word pattern such a followed by a vowel sound in the adjective (15) the results Plural countable noun; specific, as we know which results: the results of our hard work (16) a pleasure Singular countable noun; first mention. More Detailed Answers to Articles Exercise 3.

Below are some exercises on the grammatical problems that most frequently come up in papers. This means, for example, that there are exercises on the present and past tenses, but not on the future tenses since few future tenses are required in an academic paper. Are mentioned, or just some researchers at Manchester University that we have not already mentioned? 5-6) Have these researchers already been mentioned in some way? Are they defined in some way? Are they specific researchers or simply researchers in general? 2. The results are shown in Figure 2. 3. This quantity was determined from the values in Table 2. 4. In the present study a new methodology for solving the meaning of life was developed. 5. The approach that was adopted in this work is highly innovative. Some time this afternoon would be better for me. Sally: (2). EXERCISE 3 There is a missing punctuation mark in each of the lines of the texts. Underline the word next to where it should be and put the correct punctuation mark at the end of the line. The first one has been done as an example. You also asked for my views on how to deal with unions I mentioned that in some departments the break was lasting too long The union representatives answer was not very helpful. She said the union would always insist on the break being left as it is. In conclusion it seems important to draw the Board's attention to possible difficulties which the installation of cloc English grammar exercises online. Free exercises on the use of modal verbs (modals). Grammar Exercise - Modals. Do the exercise on modal verbs and click on the button to check your answers. (Before doing the exercises you may want to read the lesson on modal verbs). Choose the right modal verb. There are plenty of tomatoes in the fridge. You. mustn't needn't may not should not. can needn't must should. read this book for our own pleasure as it is optional. But we. could need needn't mustn't. Tenses Exercises: Mixed Tenses Exercises 1 Verb Tenses Exercises 2 Mixed Tenses Exercises 3 Mixed Tenses Exercises 4. Drag and Drop Exercises: Suitable Tense Completion 1 (Beginners) Suitable Tense Completion 2 (Beginners) Suitable Tense Completion 3 (Intermediate) Suitable Tense Completion 4 (Intermediate) Suitable Tense Completion 5 (Advanced) Other Drag & Drop Grammar Exercises. Also See: All Tenses Exercises. Fill in the blanks using the correct form of the verbs. 13. Gasoline (become) a major problem for people for the last ten years, therefore, during this time many people have preferred to sell their cars and buy smaller ones. 14. By the time he was 14, Wolfgang Mozart (compose) an enviable number of musical pieces. More than many other scientific fields, botany continues to provide opportunities for women as well as men. There are few things more fulfilling than to work in a job that is both fun and a benefit to others. E. To get yourself ready for a career in botany, you should take a college curriculum that includes English, foreign language, mathematics, chemistry, physics, and biology. Other valuable experiences include taking part in science fairs and science clubs. It also helps to have summer jobs related to biology, such as working in parks, farms, experiment stations, laboratories, camps, or fur