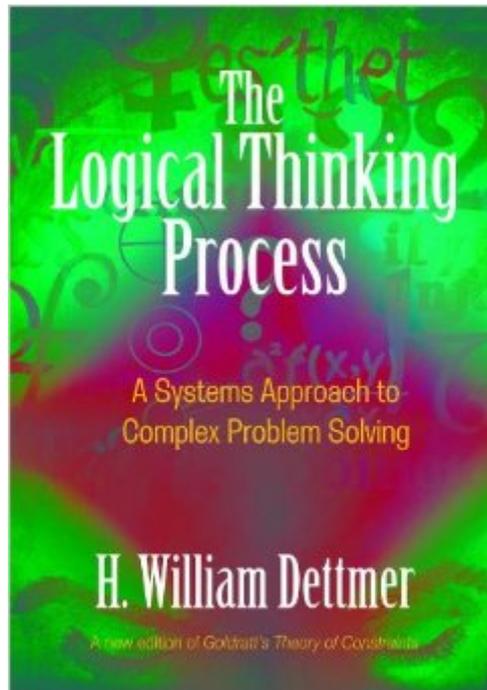# The Logical Thinking Process: A Systems Approach To Complex Problem Solving

Synopsis

A major rewrite of Dettmer's classic Goldratt's Theory of Constraints, this new edition presents a whole new approach to building and applying logic trees. The logical thinking process referred to in the title is nothing less than a broadly applicable, systems-level approach to policy analysis.Dettmer has streamlined the process of constructing the logic trees while simultaneously ensuring that the results are more logically sound and closer representations of reality than ever before. He explains an easier, more logically sound way to integrate Current Reality Trees with Evaporating Clouds. His new version of the thinking process "retires" the Transition Tree in favor of the marriage of a more detailed Prerequisite Tree and critical chain project management.This book contains new examples of logic trees from a variety of real-world applications. Most of the diagrams and illustrations are new and improved. Explanations and procedures for constructing the logic trees are considerably simplified.Completely new to this edition is a unique graphical software application - Transformation Logic Trees, designed primarily to create thinking process logic trees and only secondarily for other flowcharting uses. Appendix J in the book provides more information on how to download a trial version and use the software.

Book Information

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Customer Reviews

It's not easy to mix Lean, Six Sigma, and Theory of Constraints into a business novel and get an interesting story and a good example of how to make them work together but this book does it. For someone who wants technical detail, or a great story, this is not the book for you. But if you want a general introduction to the blending of these approaches with a gentle entry into the topic, it's a nice way to get exposed to the mix of ideas in a story format. For many people it can be tricky to visualize how the 3 can be combined without tripping over the obvious differences. The story provides a nice example. The choice of a manufacturing company as the location is a good choice. It's easier to visualize the issues when there is a physical movement of product rather than a situation that has a non-physical constraint such as a policy.For practioners of these disciplines, this is a gentle read. I'd assume that the pros would want more in depth detail and implementation approaches. Yet these same pros might want their clients to read a book like this to get oriented to the ideas. I teach in the general area of business agility and novel solutions ot business performance and this book would be good background reading to students who have little business experience. I've used the book, Critical Chain, in the same way to introduce that project management approach to students.In summary, if you're new to these topics, then this is an easy way to get oriented, and the background story is entertaining. If you're a pro in these areas then this would be a lightweight book that covers material that you already know.

I was looking for a problem solving method and I found clarity and logic applicable in all situations, of daily life, that need to be clarified in a logical manner.Excellent book and excellent surprise ! For me, one of my best reading in last past years.

The Logical Thinking Process: A Systems Approach to Complex Problem Solving is a must for anybody who wants to act smarter. I'm logical thinking practitioner the last year or so and it changed the way i think, the way I do and results I achieve.

Very detailed and is the ideal book if someone wants to really learn the logical thinking tools. Its a great piece of work.

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The Logical Thinking Process: A Systems Approach to Complex Problem Solving Clinical Problem

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