

An Approach Base on Data Structure of Binary-Tree for Product Configuration Problem

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ABSTRACT

To manage the variety and integrity of product configuration is becoming the target of all recent enterprises. Customize is becoming the trend of recent market. As that, the customs will choice product as what they want. When design or manufacture those kinds of product, it will bring out lots of constrained problems. How to solve, integrate and manage those problems should be forced on by recent enterprises. In the need of customer level, customer always choice what they want. It almost not included all of product configuration. This kind of problem should be solved by company itself. In the pass this kind of problem should be solved by person who is experience. It is always confuse with company which don ' t have this kind of person. So this is the way for this research to integrate this problem. However, this research regarded those constrained conditions as customers ' need. This research integrated the theory data-structure and Binary-Tree to solve those problems. It would generate the Binary-Tree to store the data of product. Using the property of Binary-Tree would let the problem don ' t be duplicate and it will save more time when maintain the product configuration data. This Research used the program of Borland C++ Builder 6.0 and Microsoft Access 2000 to make the product configuration model. Key Word: Product Configuration, Binary-Tree, Data-Structure

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