Data Structures

Lab 5: Recursion implementation

Case Study: Tower of Hanoi

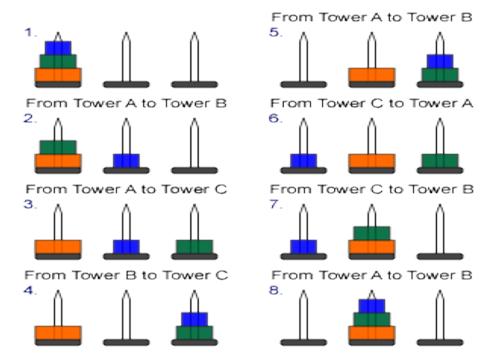
Recursion is a programming technique in which a method call itself. The key to being able to program recursively is be able to think recursively.

Any recursive definition must have a non-recursive part, called the base case, which permits the recursion to eventually end.

Lab work:

In this lab we are going to used *Recursion* technique to solve many problems using java. And the most important problem is *Tower of Hanoi* which its solution is an excellent demonstration of recursion elegance.

In addition, we going to solve some mathematical problem such like: reverse a number and sum of digits. Each of these problem will be in different programs.



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