

Divide and Conquer Recurrences

Introduction:

This section reviews some of the techniques specifically used for solving divide and conquer recurrence relations.

Recollect that in a non – linear recurrence equation the n th term is expressed as a non – linear combination of its previous terms .

******** The methods discussed earlier, such as guess and verify , substitution , and recurrence tree can be used to solve divide and conquer recurrence relation. ********

Apart from this another method exists , which can directly produce solutions. It is called the master theorem or table look – up method.
