

Range Transformation

Range transformation is also a very useful technique that transforms the range of a recurrence to a familiar form.

For example, the recurrence equation of the form $T(n) = cT(n - 1) + f(n)$ can be converted using a multiplicative transformation to a familiar form such as $T(n) = t_{n-1} + \frac{f(n)}{c}$. Here, c is a constant.

This transformation is also useful for converting a non – linear form into a familiar form.
