

Define complexity of an algorithm. what is meant by time-space trade off?

Complexity.

Complexity of an algorithm is a measure of the amount of time and/or space required by an algorithm for an input of a given size (n).

Time-space trade off

It is a way of solving a problem or calculation in less time by using more storage space (or memory), or by solving a problem in very little space by spending a long time. It is a case where an algorithm or program trades increased space usage with decreased time.