

Sorting Algorithm

Project Name : Sorting Algorithm

Aim/Overview

The project presented here is actually an algorithm. The basic idea behind the algorithm is that it implements sorting process in terms user-defined number system or the number system with which the system is actually made. It does not compare elements among itself to find the larger and the smaller ones.

This algorithm may prove useful for huge number of elements to be compared having small differences among them.

Enhancing Memory Usage

Aim/Overview

The project presented here aims at changing the entire file system or the conception of binary. If magnetic recorder is made powerful so that it might give more than three states (0, 1, and high impedance) then the same volume of hard disk can fit in more data or information.

Let's consider a movable magnetic disk reading head which can four angles of orientation. So it can have four usable states (0, 1, 2, and 3)

Binary number system => 0 1 10 11 100 101.....

New number system => 0 1 2 3 10 11.....

So in this way we can use memory in a better manner.

This conceptual idea can be made possible if the magnetic head is made 4-directional rather than just bi-directional. So that, an upgrade works on both existing hardware and new ones as well.

This can also be done if any material having more than 2 detectable state is found.