

## **Lesson 5**

### **Order Inversion and Secondary Sorting**

#### *Simplification by Expanding the Context*

In mapreduce algorithms quite often it is necessary to compute an aggregate value before computing individual values that contribute to the aggregate. Further, quite often we need to sort the values corresponding to a key. It is possible to accomplish both these tasks quite efficiently.

*Finer levels of intelligence are more expanded but at the same time more discriminating. For this reason, action that arises from a higher level of consciousness spontaneously computes the best path for success and fulfillment.*

### **MAIN POINTS**

1. Order inversion technique is in some sense unique to mapreduce algorithms. It allows us to compute any aggregate function before computing the individual parts. Thus, we can at the very least avoid one mapreduce task. *Through the regular practice of the TM technique the functioning of the mind and body are brought together to operate in accord with all the laws of Nature.*
2. In the Hadoop implementation, values are not sorted. However, it is not a limitation. Using the technique of value to key conversion, it is possible to sort values as well. *Purification of the path is a natural part of the evolutionary process and is due to the invincible nature of creative intelligence.*

## CONNECTING THE PARTS OF KNOWLEDGE

### WITH THE WHOLENESS OF KNOWLEDGE

1. It is important that necessary values are computed in one mapreduce job if possible.
2. In order to be handle various real world problems, mapreduce must support efficient design patterns.
3. *Transcendental consciousness is the field of pure orderliness. Even a chaotic mind is capable of diving into this field and benefit immediately from the orderly influence that comes from contact with this field. Hidden problems and pockets of disorder are spontaneously neutralized through this process.*
4. ***Impulses within the Transcendental Field :** The repeated collapse of infinity to a point and expansion of point to infinity with infinite frequency within the transcendental field produces the “hum” of creation, the integrated and even flow of all the forces underlying the manifest universe*
5. ***Wholeness moving within itself:*** In Unity Consciousness, the unfoldment of creation from within the unmanifest is appreciated as the expression of one’s own unbounded Self.