ABSTRACT

In an input process, a circuit and an input bit to the circuit are inputted to a plurality of computers. Firstly, one computer performs calculation and transmits the calculation result to another computer of the computers. Next, the another computer which has received the calculation result performs the next calculation. Thus, calculation is performed by one computer after another. When all the computers have performed calculation once, the last computer which has performed calculation transmits the calculation result to the first computer which has performed calculation. After this, calculation is performed by one computer after another and the calculation result is transmitted to the next computer, thereby repeating the calculation of each cycle. Thus, it is possible to realize calculation of a value of a given function by using a device including a plurality of computers, with a simpler configuration.