1083-57-8 **Moshe Cohen*** (cohenm10@macs.biu.ac.il), Bar-Ilan University, Department of Mathematics, 52900 Ramat Gan, Israel, and **Mina Teicher**. *Computing the height of Kauffmam's clock lattice.* Preliminary report.

We give an algorithmic computation for the height of Kauffman's clock lattice obtained from a knot diagram with two adjacent regions starred and without crossing information specified.

Abe defines the clock number p(K) of a knot K to be the minimum over all diagrams of the height of the clock lattice obtained from a knot diagram. We show that this lattice is more familiarly the graph of perfect matchings of a bipartite graph Γ obtained from the knot diagram by overlaying the Tait graph G of the knot and its dual G*.

We obtain upper bounds for the clock number p(K) of the knot from the combinatorics of Γ. (Received May 15, 2012)