VCU Discrete Mathematics Seminar

Three Open Problems in Graph Pebbling

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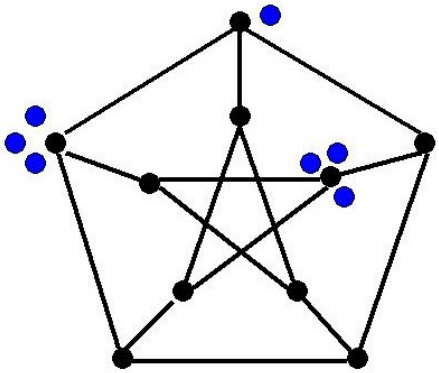
VCU!

Wednesday, Dec. 6
1:00-1:50
4145 Harris Hall



Graph Pebbling is a network optimization problem involving transportation of discrete resources. The goal is to move pebbles from one set of vertices to another while pebbles are lost in the process. The basic graph pebbling problem asks how many pebbles are necessary to move a pebble to a specified vertex of a particular graph, G, given any arrangement (called a configuration) of that many pebbles on the graph.

In this semester of Math 756, we attempted three problems: the Stacking Conjecture, Graham's Conjecture, and the pebbling numbers of Kneser graphs. We will introduce each of these problems as well as discuss our methods and findings for each of them.

For the DM seminar schedule, see:

`http://www.people.vcu.edu/~dcranston/DM-seminar.html`