VCU Discrete Mathematics Seminar

Pebbling in Kneser graphs
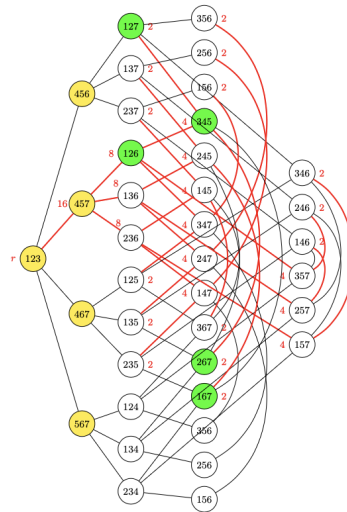
Viktoriya Bardenova
(VCU!)

Wednesday, Dec. 6
1:00-1:50 EST

In person! in 4145 Harris Hall, and Zoom @

`https://vcu.zoom.us/j/92975799914`
`password=graphs2357`

Graph pebbling is a game played on graphs with pebbles on their vertices. A pebbling move removes two pebbles from one vertex and places one pebble on an adjacent vertex. The pebbling number $\pi(G)$ is the smallest t so that from any initial configuration of t pebbles it is possible, after a sequence of pebbling moves, to place a pebble on any given target vertex. We consider the pebbling number of Kneser graphs, and give positive evidence for the conjecture that every Kneser graph has a pebbling number equal to its number of vertices.

For the DM seminar schedule, see:

`https://go.vcu.edu/discrete`