

CSI 35 LECTURE NOTES (Ojakian)

Topic 13: Graph Games

OUTLINE

(References: My papers!)

1. Games on Graphs

(a) Cops and Robber

- i. Give cop number
- ii. A corner
- iii. Cop win ordering; prove.
- iv. Actual strategy: Wait for the end of the course - using spanning trees.

(b) Burning

- i. Calculate for path whose length is a perfect square.
- ii. BNC