

HW #6

Kerry Ojakian's CSI 35 Class

Due Date: Tuesday May 5 (beginning of class)

General Instructions:

- Homework must be stapled, be relatively neat, and have your name on it.
- Use tutors, work with other students, but ... don't copy!

The Assignment

1. Section 10.2: 28ab, 29
 2. Section 10.5: 7, 8, 26abc, 31, 32, 38, 39
 3. Section 10.8: 11, 13, 18, 19
 4. Look up the Good Will Hunting Video. Show the work to find the adjacency matrix of the graph, and the matrix for the number of walks.
 5. Write down the adjacency matrix A for P_3 . Find A^2 and A^3 .
What is the meaning of the number at entry $(2,2)$ in A^2 ? and in A^3 ? (justify the meaning of these numbers and write down all the corresponding walks)
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