



JOINT INSTITUTE
交大密西根学院

VE 444 Networks Homework2, Nov.6. 2020

Instructions: 1. Submit your file into a pdf file. 2. Name your submitted file as studentID_Name_Hwk2, for example, for submissions from Andy Bi with student id 123, his file name should be 123_Andy_Bi_Hwk2. 3. Write necessary explanations rather than simply your answer to demonstrate your reasoning process.

1. Construct a balanced outcome of network exchange for the graph of Figure 12.10 in NCM?
2. At the beginning of the cascading, we introduced the herding experiment, guessing which box. Read the Section 16.5 A simple, general Cascade Model in NCM, and finish exercise 16.4(Problem 4 in Chapter 16.)
3. Refer to NCM, finish exercise 11.3, 14.4, 15.4, 19.3 (a.b means problem b in the list of exercises of Chapter a.)

NCM can be found in the following link:

<http://www.cs.cornell.edu/home/kleinber/networks-book/networks-book.pdf>