**HOMEWORK PROBLEMS #1**

**1-1** Consider the simple network shown below. Compute its average path length , diameter , cluster coefficient , and average degree .



**1-2** In a laboratory shown by the following figure, can you walk through every door once and once only, and finally return to the starting point? If so, how? If not, why?



**This HW is due in class on Tuesday, 27 Sept. 2022**