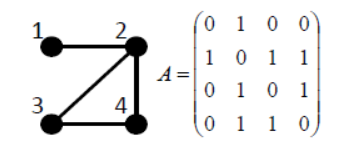
**CN Quiz 3**

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**Random walks on the above graph：**

**pi(t): probability that the walk is at vertex i at time t**

**1.find**

**Since we have So we can find**

**2.find p1(∞), p2(∞), p3(∞), and p4(∞)**

According to the result of **,** we can have:

As a result: