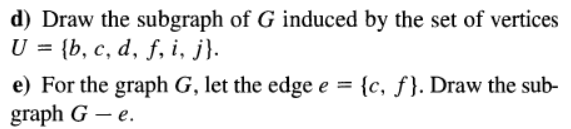
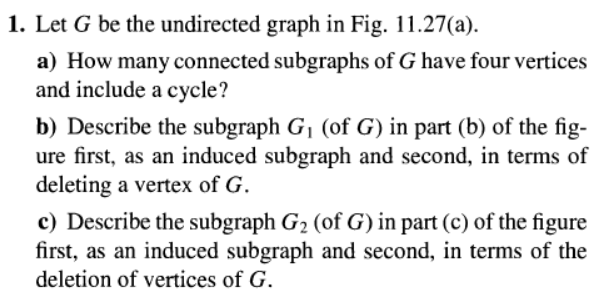
**Homework #4**

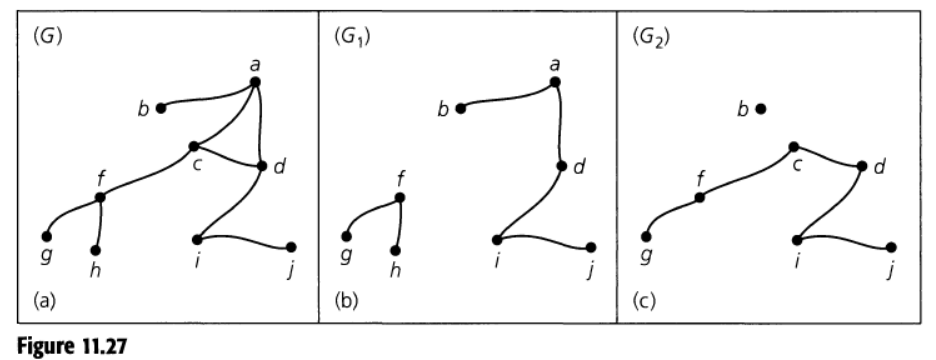
**Discrete Mathematics- 2nd Semester 2018**

***Due:*** **Wednesday Dec. 19, 2018, 03:00 PM**

※Solve the following problems.

**#1. Solve the Problem #1 at Exercises 11.2**

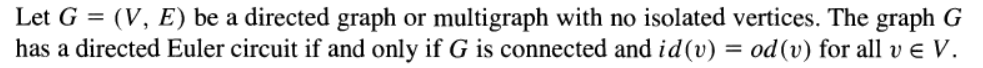




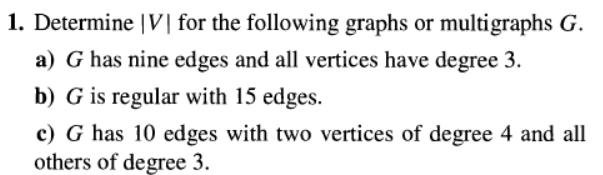
**#2. Prove the following Corollary 11.1**

EMB000019c80c7b

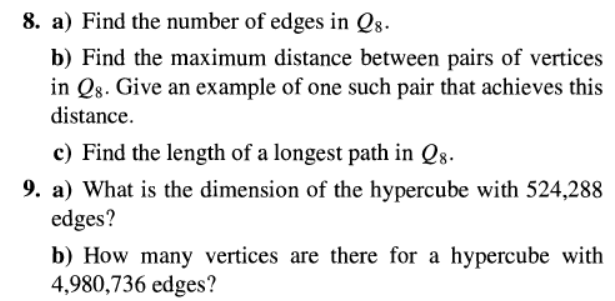
**#3. Prove the following Theorem 11.4**

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**#4. Solve the problem (#1) at Exercises 11.3**

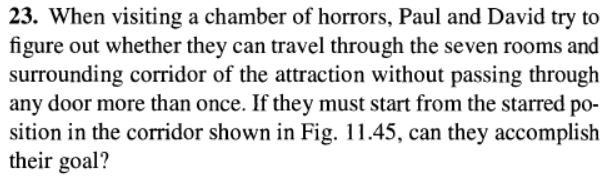
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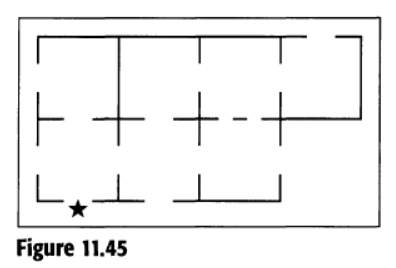
**#5. Solve the problem (#8 & #9) at Exercises 11.3**

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**#6. Solve the problem (#23) at Exercises 11.3**

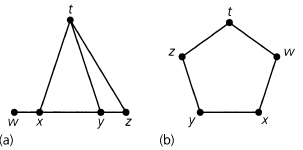
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**#7. Solve the following problems. problem 9 in Exercises 11.6 (page 571)**

1. **Determine the chromatic polynomials for the graph in the following figure.**
2. **Find** EMB000019c80c82**for each graph.**
3. **If five colors are available, in how many ways can the vertices of each graph be properly colored ?**



- Thanks