

Exercise #9

(範圍: Graph Theory)

1. P. 518: 2. (10%)
2. P. 518: 4, where $\kappa(G)$ denotes the number of connected components in G . (10%)
3. P. 519: 8. (10%)
4. P. 519: 9. (10%)
5. P. 529: 8. (10%)
6. P. 529: 9. (10%)
7. P. 530: 16. (10%)
8. P. 537: 1. (A graph is *regular* if all its vertices have the same degree.) (10%)
9. How to determine whether a graph G is bipartite or not? (10%)
10. Show that any simple graph has an even number of vertices whose degrees are odd. (10%)