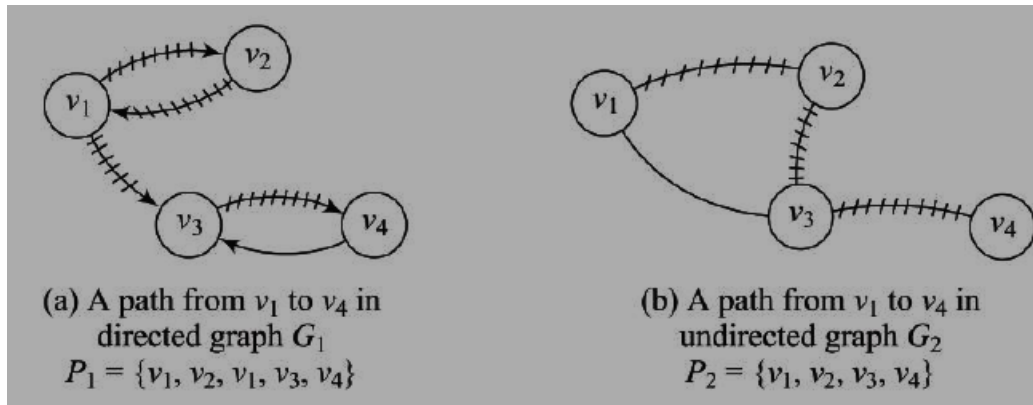


Practice Problems in Graph

- (1) Write an algorithm and the subsequent C code to compute the degree of each vertex to a given graph $G=(V,E)$ where V is a vertex set and E is an edge set. Check your C code to following inputs



- (2) Write an algorithm and the subsequent C code to check whether a given path P is simple path or not. Check your C code for paths P_1 and P_2 of the above graphs.
- (3) Write an algorithm and the subsequent C code to check whether a given cycle T is simple cycle or not. Check your code for some cycles of the above graphs.