Graph Vocabulary

```
G = (V, E)
|V| = n
|E| = m
                    (2, 5)
```

Degree(v): ||

Adjacent Vertices: A(v) = { x : (x, v) in E }

Path(G₂): Sequence of vertices connected by edges

Cycle(G₁): Path with a common begin and end vertex.

Simple Graph(G): A graph with no self loops or multi-edges.