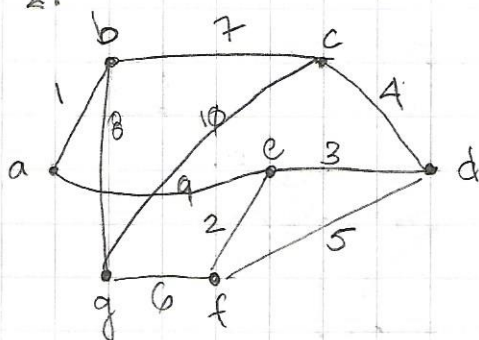
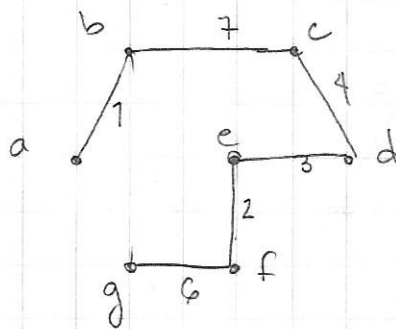


3. 21



$G = [$

- $\{a, b, 1\}, \rightarrow$
- $\{f, e, 2\}, \rightarrow$
- $\{e, d, 3\}, \rightarrow$
- $\{c, d, 4\}, \rightarrow$
- $\{f, d, 5\}, \rightarrow$
- $\{g, f, 6\}, x$
- $\{b, c, 7\}, \rightarrow$
- $\{b, g, 8\}, \rightarrow$
- $\{a, e, 9\}, x$
- $\{g, c, 10\}, x$



- $\{a, b, 1\}$
- $\{f, e, 2\}$
- $\{e, d, 3\}$
- $\{c, d, 4\}$
- $\{b, c, 7\}$
- $\{b, g, 8\}$