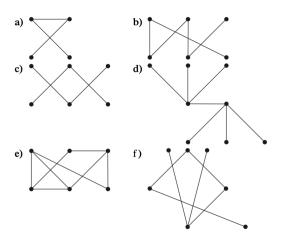
Exercise Sheet 15

Discrete Mathematics, 2020.11.17

1. ([R], Page 755, Exercise 2(a)(b)(c)(d)(e)(f)) Which of these graphs are trees?



- 2. Suppose G=(V,E) is an undirected graph with $|V|=n\geq 1$ and |E|=n-1. Prove that if G is connected, then G is a tree.
- 3. Suppose G=(V,E) is an undirected graph with $|V|=n\geq 1$ and |E|=n-1. Prove that if G has no simple circuit, then G is a tree.