

## Exercises 6

软件工程一班 张逸松 57 号

November 10, 2019

### 4.8

a)  $G_1 = (\{a, b, f\}, \{(a, b), (b, a), (a, f), (f, a)\})$

$$G_2 = (\{c, d, e\}, \{(c, d), (d, e), (e, c)\})$$

b)  $G_1 = (\{g\}, \emptyset)$

$$G_2 = (\{f\}, \emptyset)$$

$$G_3 = (\{a, b, c, d, e, h\}, \{(a, e), (b, a), (c, b), (d, c), (d, h), (e, d), (h, a)\})$$

c)  $G_1 = (\{c\}, \emptyset)$

$$G_2 = (\{a, b, d, e, f, g, h, i\}, U - \{(a, c), (b, c), (d, c), (g, c)\})$$

### 4.10

a) 12.

b) 12.

c) 24.

d) 102.

### 4.13

a) 0.

b) 9.

c) 0.

d) 81.

### 4.16

b, c, e, i