Remarks: See §4.2, page 116 till 120

Answers problem 4.7-1 till 4:

1a. bar (a): 3; bar (b): 2; bar (c): 3
in total 8 interaction forces in A
1b. 3 equilibrium equations for joint A
1c. $8-3=5$ independent interaction forces

2a. bar (a): 3; bar (b): 3; bar (c): 2
in total 8 interaction forces in B
2b. 3 equilibrium equations for joint B
2c. $8-3=5$ independent interaction forces

3a. bar (a): 3; bar (b): 2; bar (c): 2; bar (d) 3
in total 10 interaction forces in C
3b. 3 equilibrium equations for joint C
3c. $10-3=7$ independent interaction forces

4a. bar (a): 2; bar (b): 3; bar (c): 3; bar (d) 2
in total 10 interaction forces in D
4b. 3 equilibrium equations for joint D
4c. $10-3=7$ independent interaction forces

Hints problem 4.7-5:

You can see the joint in E as two stiff joints which are connected by a hinge

Answers problem 4.7-5:

5a. bar (a): 3; bar (b): 3; bar (c): 3; bar (d) 3
Between the two joint 2 interaction forces
in total 14 interaction forces in E
5b. each stiff joint has 3 equilibrium equations
in total 6 equations.
5c. $14-6=8$ independent interaction forces