```
--------------------------
EX:1 Adjacency Matrix
--------------------------

  A B C D

A 0 1 1 0

B 1 0 1 0 |

C 1 1 0 1

D 0 0 1 0


--------------------------
EX:1 Adjacency List
--------------------------
A | BC
B | AC
C | ABD
D | C
--------------------------
EX:1 Edge list
--------------------------
Edge list [0]: AB
Edge list [1]: AC
Edge list [2]: BC
Edge list [3]: CD
```

```
--------------------
EX:2 Adjacency matrix
--------------------

  A B C D E F

A 0 1 1 0 0 1

B 1 0 1 0 0 0

C 1 1 0 1 0 0

D 0 0 1 0 1 0

E 0 0 0 1 0 1

F 1 0 0 0 1 0

--------------------
EX:2 Adjacency list
--------------------
A | BCF
B | AC
C | ABD
D | CE
E | DF
F | AE
--------------------
Edge list of Exercise 2
--------------------
Edge list [0]: AB
Edge list [1]: AC
Edge list [2]: AF
Edge list [3]: CD
Edge list [4]: DE
Edge list [5]: FE
```

```
-------------------------
EX:3 Adjacency matrix
-------------------------

Connect AB, AC, CD, CF, EF

   A B C D E F

A 0 1 1 0 0 1

B 1 0 1 0 0 0

C 1 1 0 1 0 1

D 0 0 1 0 1 0

E 0 0 0 1 0 1

F 1 0 1 0 1 0


-------------------------
EX:3 Adjacency list
-------------------------

A | BCF
B | AC
C | ABDF
D | CE
E | DF
F | ACE
```

EX:3 Edge list

Edge list [0]: AB
Edge list [1]: AC
Edge list [2]: CD
Edge list [3]: CF
Edge list [4]: EF

Disconnect CF,AB,CD

EX:3 Adjacency matrix

```
  A B C D E F

A 0 0 1 0 0 1

B 0 0 1 0 0 0

C 1 1 0 0 0 0

D 0 0 0 0 1 0

E 0 0 0 1 0 1

F 1 0 0 0 1 0
```

EX:3 Adjacency list

A | CF
B | C
C | AB
D | E
E | DF
F | AE

```
-------------------
EX:3 Edge list
-------------------
Edge list [0]: AC
Edge list [1]: EF
```