**無向圖**

A b c d e

A 0 1 0 1 0

B 1 0 1 1 0

C 0 1 0 0 1

D 1 1 0 0 1

E 0 0 1 1 0

**有向圖**

A b c d e

A 0 1 0 0 0 indegree=1 outdegree=1 degree=2

B 0 0 1 1 0 indegree=1 outdegree=2 degree=3

C 0 0 0 0 1 indegree=1 outdegree=1 degree=2

D 1 0 0 0 0 indegree=2 outdegree=1 degree=3

E 0 0 0 1 0 indegree=1 outdegree=1 degree=2

a->b

b->c->d

c->e

d->a

e->d