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 |

The degrees of the nodes A,C,E=2

The degrees of the nodes B,D=3

有向圖

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | A | B | C | D | E |
| A | 0 | 1 | 0 | 0 | 0 |
| B | 0 | 0 | 1 | 1 | 0 |
| C | 0 | 0 | 0 | 0 | 1 |
| D | 1 | 0 | 0 | 0 | 0 |
| E | 0 | 0 | 0 | 1 | 0 |

A的indegree= 1; A的outdegree= 1 ; A的degree=2;

B的indegree= 1; B的outdegree= 2 ; B的degree=3;

C的indegree= 1; C的outdegree= 1 ; C的degree=2;

D的indegree= 2; D的outdegree= 1 ; A的degree=3;

E的indegree= 1; E的outdegree= 1 ; E的degree=2;

有向圖串列

A -> B

B -> C ->D

C ->E

D -> A

E -> D