**CHƯƠNG 5**

**(BT LÝ THUYẾT)**

1. **ĐẾM BẬC:**

**Vd 5.1:**

Đỉnh A: 3

Đỉnh B: 4

Đỉnh C: 4

Đỉnh D: 4

Đỉnh E: 2

Đỉnh F: 5

Đỉnh G: 2

**Vd 5.2:**

Đỉnh A: 5

Đỉnh B: 4

Đỉnh C: 4

Đỉnh D: 5

Đỉnh E: 2

Đỉnh F: 6

**Vd 5.3:**

Đỉnh A: 5

Đỉnh B: 6

Đỉnh C: 4

Đỉnh D: 4

Đỉnh E: 4

Đỉnh F: 3

**Vd 5.6: Có hướng**

Đỉnh A: Deg(A)-: 0 Deg(A)+:3

Đỉnh B: Deg(B)-:2 Deg(B)+:2

Đỉnh C: Deg(C)-: 2 Deg(C)+: 2

Đỉnh D: Deg(D)-: 2 Deg(D)+:1

Đỉnh E: Deg(E)-: 3 Deg(E)+:1

Đỉnh F: Deg(F)-:1 Deg(F)+:1

1. **MA TRẬN KỀ**

**Vd 5.1:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **A** | **B** | **C** | **D** | **E** | **F** | **G** |
| **A** | **0** | **1** | **1** | **1** | **0** | **0** | **0** |
| **B** | **1** | **0** | **1** | **0** | **1** | **1** | **0** |
| **C** | **1** | **1** | **0** | **1** | **0** | **1** | **0** |
| **D** | **1** | **0** | **1** | **0** | **0** | **1** | **1** |
| **E** | **0** | **1** | **0** | **0** | **0** | **1** | **0** |
| **F** | **0** | **1** | **1** | **1** | **1** | **0** | **1** |
| **G** | **0** | **0** | **0** | **1** | **0** | **1** | **0** |

**Vd 5.6:**

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

**Vd 5.7:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A** | **B** | **C** | **D** | **E** | **F** |
| **A** | **0** | **110** | **90** | **100** | **0** | **0** |
| **B** | **110** | **0** | **50** | **0** | **55** | **80** |
| **C** | **90** | **50** | **0** | **40** | **80** | **0** |
| **D** | **100** | **0** | **40** | **0** | **60** | **0** |
| **E** | **0** | **55** | **80** | **60** | **0** | **70** |
| **F** | **0** | **80** | **0** | **0** | **70** | **0** |

**Vd 5.11:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** |
| **1** | **0** | **1** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **2** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **3** | **1** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **4** | **1** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **5** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **0** |
| **6** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **7** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** |
| **8** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **1** | **1** |
| **9** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **10** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** |
| **11** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **12** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** |
| **13** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** |
| **14** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** |

1. **DANH SÁCH KỀ**

**Vd 5.1:**

A

B

C

D

NULL

First[0]

B

A

E

F

NULL

First[1]

D

B

F

G

NULL

First[3]

E

B

C

NULL

First[4]

F

D

NULL

First[5]

G

D

NULL

First[6]

C

NULL

First[2]

F

A

**Hình 5.7**:

A

B

C

D

NULL

First[0]

F

B

E

First[5]

B

A

C

E

NULL

First[1]

F

C

A

NULL

First[2]

D

E

B

D

A

C

E

NULL

First[3]

E

B

C

NULL

First[4]

D

F

NULL

**Hình 5.8**

First[0]

A

B

E

B

First[6]

C

A

B

D

G

D

D

A

C

F

NULL

G

B

A

NULL

C

F

NULL

C

D

NULL

F

E

First[1]

NULL

F

First[2]

First[3]

First[4]

NULL

C

First[5]

G

E

D

B

F

NULL

F

**Vd 5.11:**

1

2

3

4

NULL

2

1

7

NULL

First[2]

First[3]

First[4]

First[5]

First[6]

8

7

First[7]

First[8]

First[11]

First[12]

First[13]

7

2

8

9

5

4

10

11

14

8

NULL

13

8

NULL

12

10

NULL

9

7

NULL

13

14

NULL

3

1

NULL

6

NULL

6

3

NULL

NULL

4

1

5

NULL

First[1]

First[0]

10

5

NULL

First[9]

12

11

5

NULL

First[10]

12

10

NULL

First[11]

13

8

NULL

First[12]

14

8

NULL

First[13]