Bài 1: Đếm bậc các đỉnh

* Hình 5.1

d(A) = 3

d(B) = 4

d(C) = 4

d(D) = 4

d(E) = 2

d(F) = 5

d(G) = 2

* Hình 5.2

d(A) = 5

d(B) = 4

d(C) = 4

d(D) = 5

d(E) = 2

d(F) = 6

* Hình 5.3

d(A) = 5

d(B) = 6

d(C) = 4

d(D) = 4

d(E) = 4

d(F) = 3

* Hình 5.6

d(A) = 0

d(B) = 2

d(C) = 2

d(D) = 2

d(E) = 3

d(F) = 1

Bài 2: Ma trận kề

* Hình 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 |

* Hình 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 |

* Hình 5.7

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

* Hình 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 | 1 | 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 |

Bài 3:

* Hình 5.1

First[0]

First[1]

First[2]

First[3]

First[4]

First[5]

First[6]

* Hình 5.7

First[0]

First[1]

First[2]

First[3]

First[4]

First[5]

* Hình 5.8

First[0]

First[1]

First[2]

First[3]

First[4]

First[5]

First[6]

* Hình 5.11

First[0]

First[1]

First[2]

First[3]

First[4]

First[5]

First[6]

First[7]

First[8]

First[9]

First[10]

First[11]

First[12]

First[13]