**BÀI TẬP LÝ THUYẾT CHƯƠNG 5**

**Bài 1:**

*Ví dụ 5.1:*

- Bậc 2: E, G.

- Bậc 3: A.

- Bậc 4: B, C, D.

- Bậc 5: F.

*Ví dụ 5.2:*

- Bậc 2: E, G.

- Bậc 4: A, B, C, D.

- Bậc 5: F.

*Ví dụ 5.3:*

- Bậc 3: F

- Bậc 4: C, D, E.

- Bậc 5: A.

- Bậc 6: B.

*Ví dụ 5.6:*

- Bậc 2: F.

- Bậc 3: A, D.  
- Bậc 4: B, C, E.

**Bài 2:**

- *Ví dụ 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 |

- *Ví dụ 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 |

- *Ví dụ 5.7:*

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

- *Ví dụ 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

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

**Bài 3:**

- *Ví dụ 5.1:*

Diagram

Description automatically generated

- *Ví dụ 5.7:*

Diagram

Description automatically generated

- *Ví dụ 5.8:*

Diagram

Description automatically generated

- *Ví dụ 5.11:*

First[0]: 1 → 2 →3 → 4 → NULL

First[1]: 2 → 1 → 7 →NULL

First[2]: 3→ 1 → 6 →NULL

First[3]: 4 →1 → 5 → NULL

First[4]: 5 → 4 →10 → 11 →NULL

First[5]: 6 → 3 →NULL

First[6]: 7 → 2 → 8 → 9 →NULL

First[7]: 8 → 7 → 13 → 14 →NULL

First[8]: 9 → 7 →NULL

First[9]: 10 → 5 → 12 →NULL

First[10]: 11 → 5 →NULL

First[11]: 12 → 10 →NULL

First[12]: 13 → 8 →NULL

First[13]: 14 → 8 →NULL