**Bài Tập lý thuyết Chương 5**

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**Bài 2: Cho biết ma trận kề của đồ thị tại ví dụ 5.1, 5.6, 5.7, 5.11.**

Ma trận kề

* 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 | 1 | 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 |