**BÀI TẬP LÝ THUYẾT CHƯƠNG 5**

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

* Ví dụ 5.1:

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

* Ví dụ 5.6:

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

* Ví dụ 5.7:

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

* Ví dụ 5.11:

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