**第七次作业**

**P23.**

答：

算法结果如下系列表所示。

**Cost to**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **u** | **v** | **x** | **y** | **z** |
| **v** |  |  |  |  |  |
| **x** |  |  |  |  |  |
| **z** |  | 6 | 2 |  | 0 |

**Cost to**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **u** | **v** | **x** | **y** | **z** |
| **v** | 1 | 0 | 3 |  | 6 |
| **x** |  | 3 | 0 | 3 | 2 |
| **z** | 7 | 5 | 2 | 5 | 0 |

**Cost to**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **u** | **v** | **x** | **y** | **z** |
| **v** | 1 | 0 | 3 | 3 | 5 |
| **x** | 4 | 3 | 0 | 3 | 2 |
| **z** | 6 | 5 | 2 | 5 | 0 |

**Cost to**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **u** | **v** | **x** | **y** | **z** |
| **v** | 1 | 0 | 3 | 3 | 5 |
| **x** | 4 | 3 | 0 | 3 | 2 |
| **z** | 6 | 5 | 2 | 5 | 0 |

**P26.**

答：

算法结果如下系列表所示。

**Node x table**

**Cost to**

|  |  |  |  |
| --- | --- | --- | --- |
| **From** | **x** | **y** | **z** |
| **x** | 0 | 5 | 2 |
| **y** |  |  |  |
| **z** |  |  |  |

**Cost to**

|  |  |  |  |
| --- | --- | --- | --- |
| **From** | **x** | **y** | **z** |
| **x** | 0 | 5 | 2 |
| **y** | 5 | 0 | 6 |
| **z** | 2 | 6 | 0 |

**Node y table**

**Cost to**

|  |  |  |  |
| --- | --- | --- | --- |
| **From** | **x** | **y** | **z** |
| **x** |  |  |  |
| **y** | 5 | 0 | 6 |
| **z** |  |  |  |

**Cost to**

|  |  |  |  |
| --- | --- | --- | --- |
| **From** | **x** | **y** | **z** |
| **x** | 0 | 5 | 2 |
| **y** | 5 | 0 | 6 |
| **z** | 2 | 6 | 0 |

**Node z table**

**Cost to**

|  |  |  |  |
| --- | --- | --- | --- |
| **From** | **x** | **y** | **z** |
| **x** |  |  |  |
| **y** |  |  |  |
| **z** | 2 | 6 | 0 |

**Cost to**

|  |  |  |  |
| --- | --- | --- | --- |
| **From** | **x** | **y** | **z** |
| **x** | 0 | 5 | 2 |
| **y** | 5 | 0 | 6 |
| **z** | 2 | 6 | 0 |