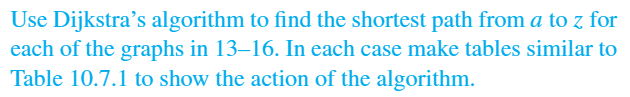
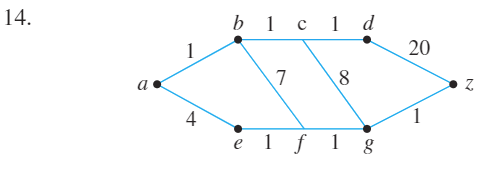
**Assignment 10  
Set 10.7 – 14, 15**





|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Step | V(T) | E(T) | F | L(a) | L(b) | L(c) | L(d) | L(e) | L(f) | L(g) | L(z) |
| 0 |  |  |  | 0 |  |  |  |  |  |  |  |
| 1 |  |  |  | 0 | 1 |  |  | 4 |  |  |  |
| 2 |  |  |  | 0 | 1 | 2 |  | 4 | 8 |  |  |
| 3 |  |  |  | 0 | 1 | 2 | 3 | 4 | 8 | 10 |  |
| 4 |  |  |  | 0 | 1 | 2 | 3 | 4 | 8 | 10 | 23 |
| 5 |  |  |  | 0 | 1 | 2 | 3 | 4 | 5 | 10 | 23 |
| 6 |  |  |  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 23 |
| 7 |  |  |  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 |  |  |  |  |  |  |  |  |  |  |  |

The shortest path from a to z has length L(z) = 7.



|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Step | V(T) | E(T) | F | L(a) | L(b) | L(c) | L(d) | L(e) | L(g) | L(z) |
| 0 |  |  |  | 0 |  |  |  |  |  |  |
| 1 |  |  |  | 0 | 3 |  |  | 3 | 4 |  |
| 2 |  |  |  | 0 | 3 | 10 |  | 3 | 4 |  |
| 3 |  |  |  | 0 | 3 | 10 | 14 | 3 | 4 | 7 |
| 4 |  |  |  | 0 | 3 | 10 | 14 | 3 | 4 | 7 |
| 5 |  |  |  |  |  |  |  |  |  |  |

The shortest path from a to z has length L(z) = 7.