HW8

Problem 3 Template

Weiss 9.15 (a) – Prim’s

|  |  |  |  |
| --- | --- | --- | --- |
| Vertex | Known | Distance | Path |
| A |  |  |  |
| B |  |  |  |
| C |  |  |  |
| D |  |  |  |
| E |  |  |  |
| F |  |  |  |
| G |  |  |  |
| H |  |  |  |
| I |  |  |  |
| J |  |  |  |

Order Added to the Known Set: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Kruskal’s

|  |  |  |
| --- | --- | --- |
| Edge | Weight | Action |
| (C, G) | 1 |  |
| (E, I) | 1 |  |
| (B, E) | 2 |  |
| (E, H) | 2 |  |
| (F, G) | 2 |  |
| (A, B) | 3 |  |
| (B, F) | 3 |  |
| (F, I) | 3 |  |
| (A, D) | 4 |  |
| (A, E) | 4 |  |
| (H, I) | 4 |  |
| (D, E) | 5 |  |
| (C, F) | 6 |  |
| (D, H) | 6 |  |
| (I, J) | 7 |  |
| (G, J) | 8 |  |
| (B, C) | 10 |  |
| (E, F) | 11 |  |
| (F, J) | 11 |  |