

# Homework #8 Key

4.1

| Node | Iteration |          |          |          |   |   |   |   |
|------|-----------|----------|----------|----------|---|---|---|---|
|      | 0         | 1        | 2        | 3        | 4 | 5 | 6 | 7 |
| A    | 0         | 0        | 0        | 0        | 0 | 0 | 0 | 0 |
| B    | $\infty$  | 1        | 1        | 1        | 1 | 1 | 1 | 1 |
| C    | $\infty$  | $\infty$ | 3        | 3        | 3 | 3 | 3 | 3 |
| D    | $\infty$  | $\infty$ | $\infty$ | 4        | 4 | 4 | 4 | 4 |
| E    | $\infty$  | 4        | 4        | 4        | 4 | 4 | 4 | 4 |
| F    | $\infty$  | 8        | 7        | 7        | 7 | 7 | 6 | 6 |
| G    | $\infty$  | $\infty$ | 7        | 5        | 5 | 5 | 5 | 5 |
| H    | $\infty$  | $\infty$ | $\infty$ | $\infty$ | 8 | 8 | 6 | 6 |

