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 CST 370
 Homework 8
 February 21, 2016

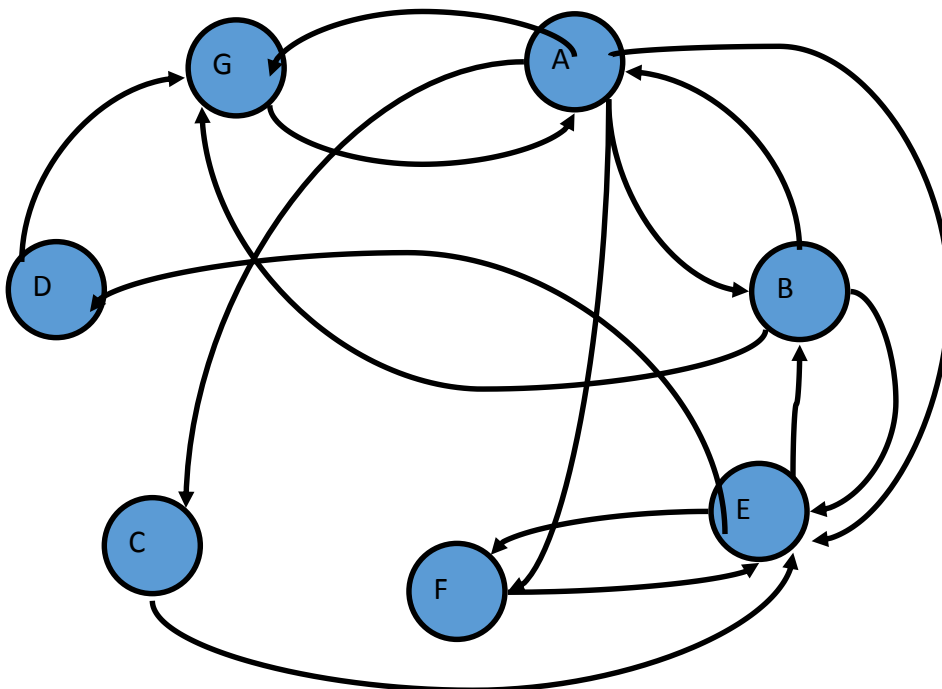
1a.

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 2 | 1 | 0 | 1 | 0 | 1 | 0 |
| 3 | 0 | 1 | 0 | 1 | 0 | 0 |
| 4 | 0 | 0 | 1 | 0 | 1 | 1 |
| 5 | 1 | 1 | 0 | 1 | 0 | 0 |
| 6 | 0 | 0 | 0 | 1 | 0 | 0 |

1b.

| | |
|---|---|
| 1 | 2 |
| 1 | 5 |
| 2 | 3 |
| 2 | 5 |
| 3 | 4 |
| 4 | 5 |
| 4 | 6 |

2.



3a. from U

| U | V | W | X | Y | Z |
|---|----------|----------|----------|----------|----------|
| 0 | ∞ | ∞ | ∞ | ∞ | ∞ |
| 0 | U/5 | U/9 | U/9 | ∞ | ∞ |
| 0 | U/5 | V/7 | U/9 | ∞ | ∞ |
| 0 | U/5 | V/7 | U/9 | W/12 | W/13 |
| 0 | U/5 | V/7 | U/9 | W/12 | W/13 |
| 0 | U/5 | V/7 | U/9 | W/12 | W/13 |

3b. from V

| U | V | W | X | Y | Z |
|----------|---|----------|----------|----------|----------|
| ∞ | 0 | ∞ | ∞ | ∞ | ∞ |
| V/5 | 0 | V/2 | V/7 | ∞ | ∞ |
| V/5 | 0 | V/2 | V/7 | W/7 | W/8 |
| V/5 | 0 | V/2 | V/7 | W/7 | W/8 |
| V/5 | 0 | V/2 | V/7 | W/7 | W/8 |
| V/5 | 0 | V/2 | V/7 | W/7 | W/8 |