

## ELEC 4700 Assignment-4 Circuit Modeling

Due: Sunday, Apr. 7, 2019 23:59 By: Narrathanan Seevananthan

```
% Part 1:  
% (a) Formulation:
```

```
clear;  
addpath code;
```

```
Part1;
```

```
% Part 1:
```

```
Part2;
```

G =

Columns 1 through 7

1.0000	-1.0000	0	0	0	1.0000	0
-1.0000	1.5000	0	0	0	0	1.0000
0	0	0.1000	0	0	0	-1.0000
0	0	0	10.0000	-10.0000	0	0
0	0	0	10.0000	10.0010	0	0
1.0000	0	0	0	0	0	0
0	1.0000	-1.0000	0	0	0	0
0	0	-10.0000	1.0000	0	0	0

Column 8

0
0
0
1.0000
0
0
0
0

C =

Columns 1 through 7

0.2500	-0.2500	0	0	0	0	0
-0.2500	0.2500	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	-0.2000
0	0	0	0	0	0	0

Column 8

0
0
0
0
0
0
0
0
0

i =

1



