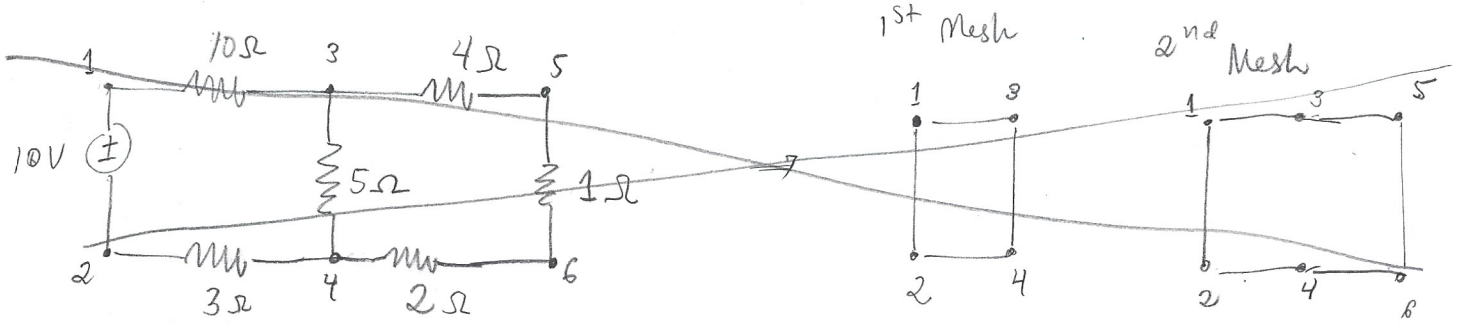
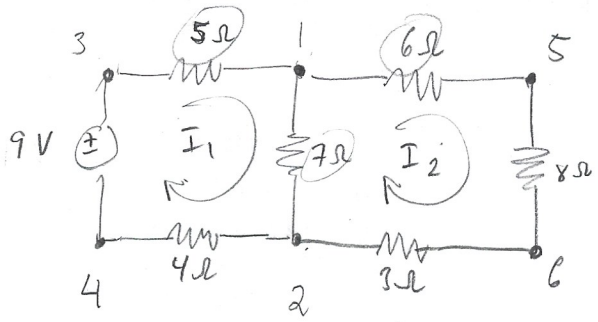
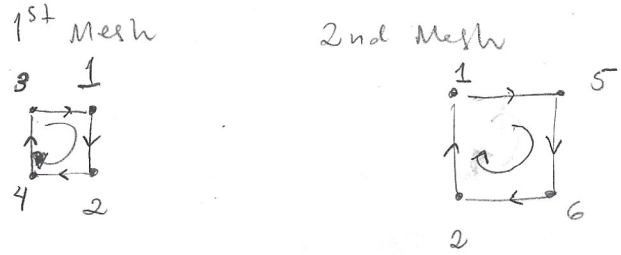
For the case where getMesh() is not fixed.







$I_1 = 0.645$
$I_2 = 0.18V$ } solved by hand

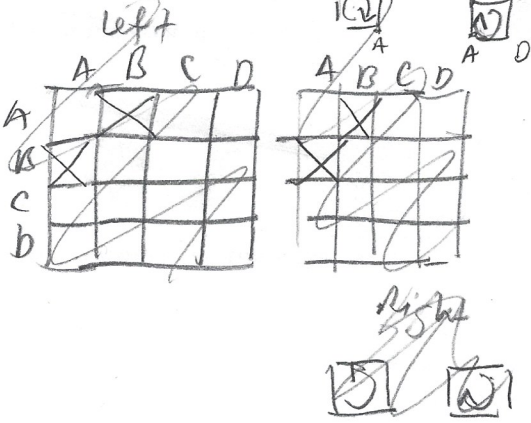
Mesh 1 directed

	1	2	3	4	5	6
1	—	1 to 2		1 to 4	1 to 5	1 to 6
2		—	2 to 3	2 to 4	2 to 5	2 to 6
3	3 to 1	3 to 2	—		3 to 5	3 to 6
4	4 to 1		4 to 3	—	4 to 5	4 to 6
5	5 to 1	5 to 2	5 to 3	5 to 4	—	5 to 6
6	6 to 1	6 to 2	6 to 3	6 to 4	6 to 5	—

Mesh 2 directed

	1	2	3	4	5	6
1		1 to 2				
2						2 to 6
3						
4						
5	5 to 1					
6					6 to 5	

using setOrientation():



Input2. txt

Matrix Generated by function:

$(5+7+4)I_1 + 7I_2 = 9$

$7I_1 + (6+7+3+8)I_2 = 0$

$$\begin{bmatrix} 16 & 7 \\ 7 & 24 \end{bmatrix} \begin{bmatrix} I_1 \\ I_2 \end{bmatrix} = \begin{bmatrix} 9 \\ 0 \end{bmatrix}$$

A

I

B

$I_1 = 0.645$

$I_2 = 0.188$

} solved from function's matrix

i, j