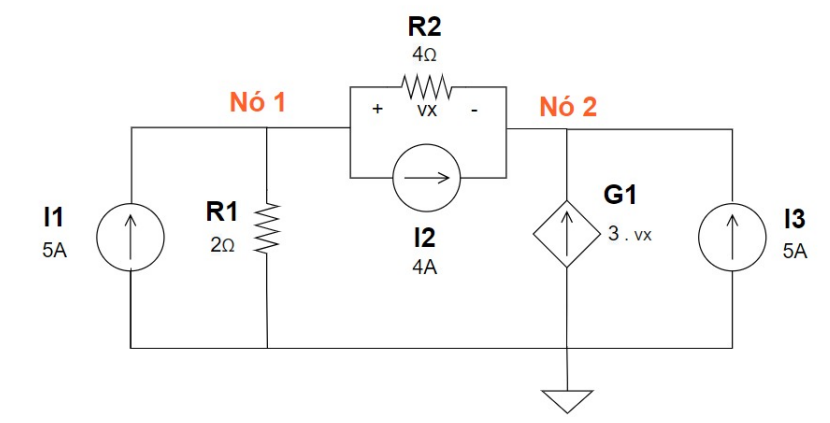


Exemplos - Análise Nodal Simplificada

Circuito



Netlist

```

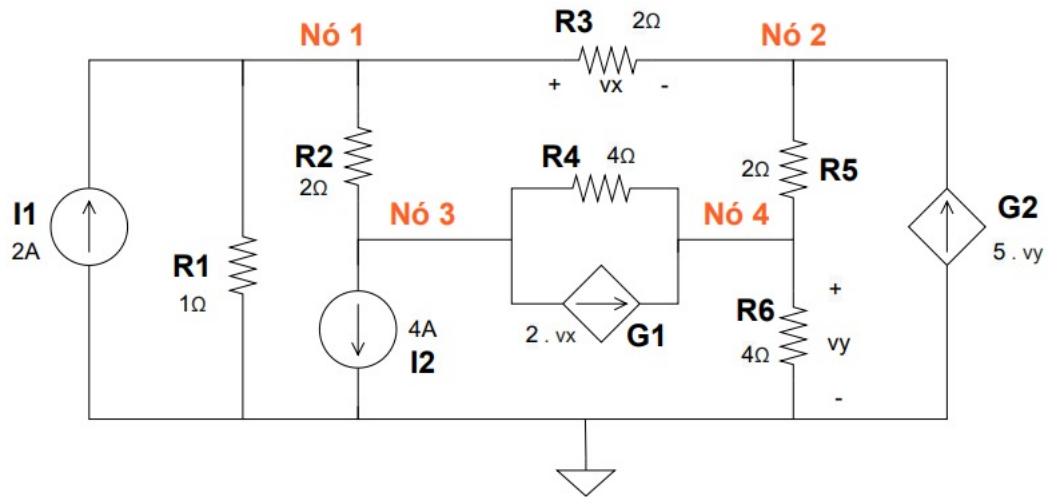
1 I1 0 1 DC 5
2 I2 1 2 DC 4
3 I3 0 2 DC 5
4 G1 0 2 1 2 3
5 R1 0 1 2
6 R2 1 2 4
  
```

Resultado Esperado

```

1 e1 = 3.384615384615385 V
2 e2 = 6.153846153846154 V
3
4
5 Resultado aproximado
6
7 e1 = 3.385 V
8 e2 = 6.154 V
  
```

Circuito



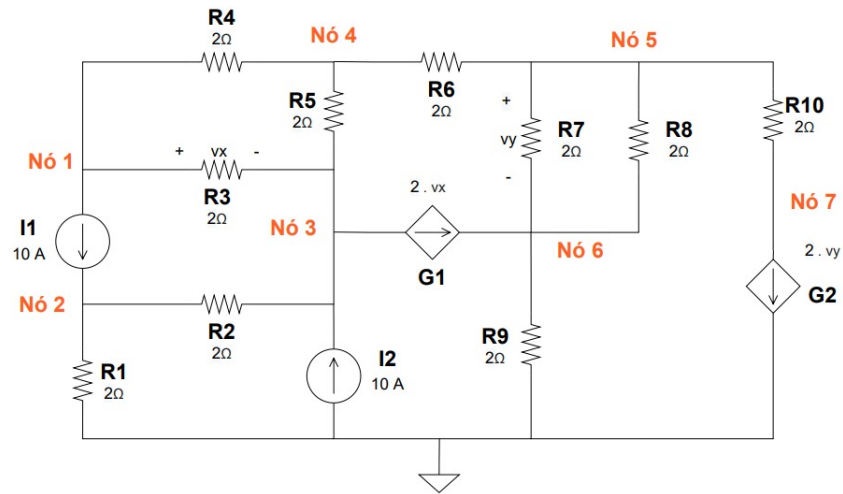
Netlist

```
1 I1 0 1 DC 2
2 R1 0 1 1
3 R2 1 3 2
4 R3 1 2 2
5 R3 3 4 4
6 R5 2 4 2
7 R6 4 0 4
8 I2 3 0 DC 4
9 G1 3 4 1 2 2
10 G2 0 2 4 0 5
```

Resultado Esperado

```
1 e1 = -48.94117647058809 V
2 e2 = -78.82352941176447 V
3 e3 = -120.94117647058788 V
4 e4 = -9.88235294117644 V
5
6
7 Resultado aproximado
8
9 e1 = -48.941 V
10 e2 = -78.824 V
11 e3 = -120.941 V
12 e4 = -9.882 V
```

Circuito



Netlist

```
1 I1 1 2 DC 10
2 I2 0 3 DC 10
3 G1 3 6 1 3 2
4 G2 7 0 5 6 2
5 R1 0 2 2
6 R2 2 3 2
7 R3 1 3 2
8 R4 1 4 2
9 R5 3 4 2
10 R6 4 5 2
11 R7 5 6 2
12 R8 5 6 2
13 R9 0 6 2
14 R10 5 7 2
```

Resultado Esperado

```
1 e1 = 459.9999999999993 V
2 e2 = 419.99999999999943 V
3 e3 = 819.9999999999989 V
4 e4 = 119.99999999999973 V
5 e5 = -919.9999999999991 V
6 e6 = -1093.3333333333321 V
7 e7 = -1613.3333333333314 V
```

Resultado aproximado

```
12 e1 = 460.0 V
13 e2 = 420.0 V
14 e3 = 820.0 V
15 e4 = 120.0 V
16 e5 = -920.0 V
17 e6 = -1093.333 V
18 e7 = -1613.333 V
```