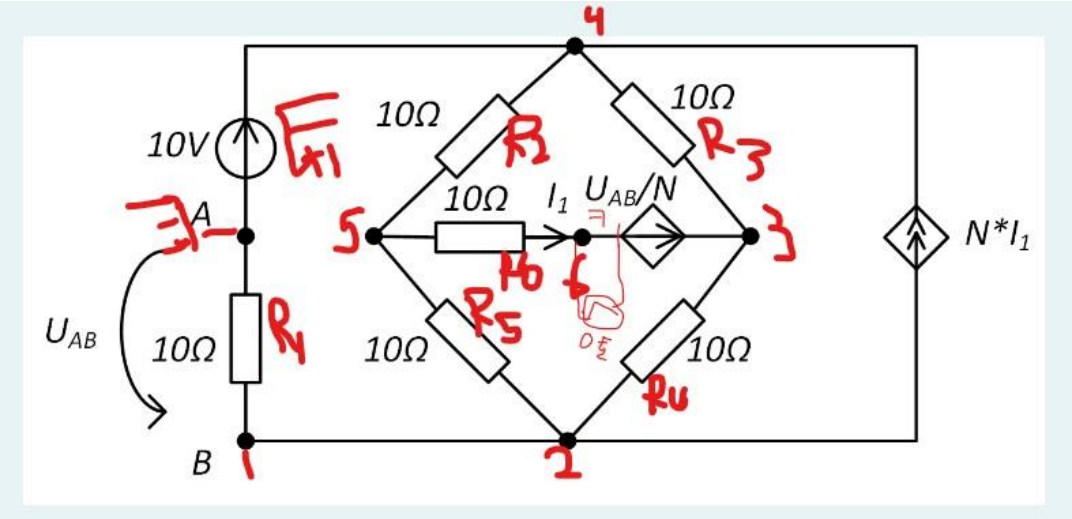
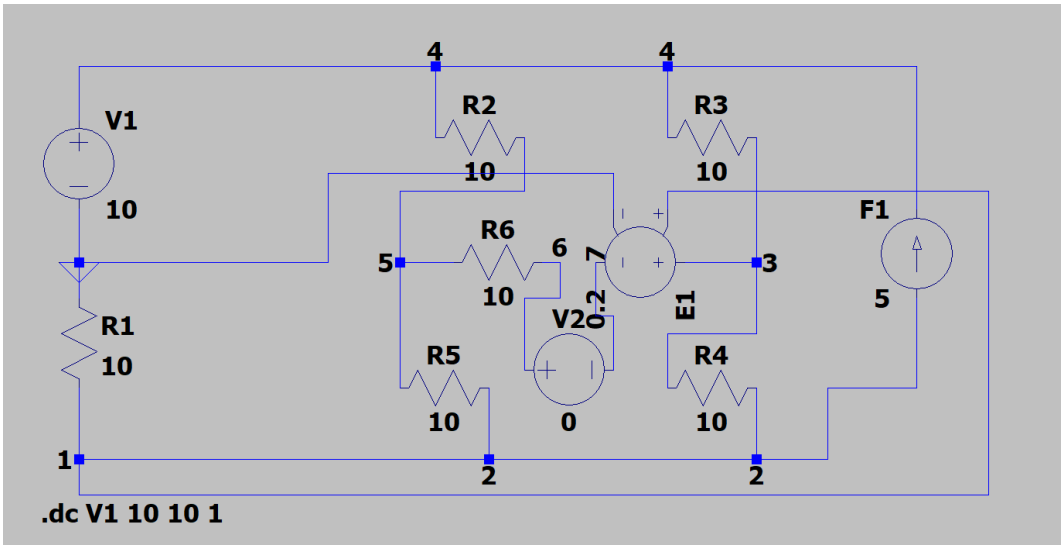
Colocviu Test

Ex DC



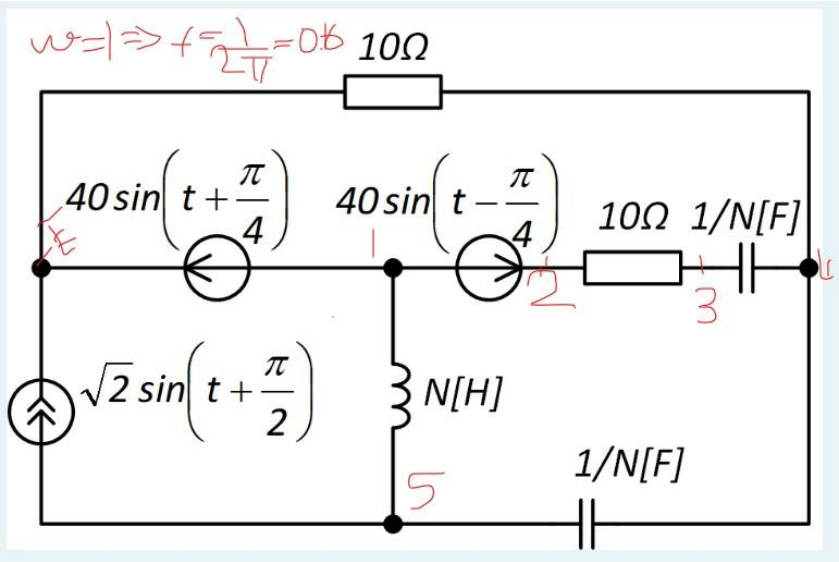

```
* C:\Users\Vlad\Desktop\Poli\Draft1.asc
V1 4 0 10
R1 0 2 10
R2 5 4 10
R3 3 4 10
R4 2 3 10
R5 2 5 10
R6 6 5 10
E1 3 7 2 0 0.2
F1 2 4 V2 5
V2 6 7 0
.dc V1 10 10 1
.backanno
.end
```

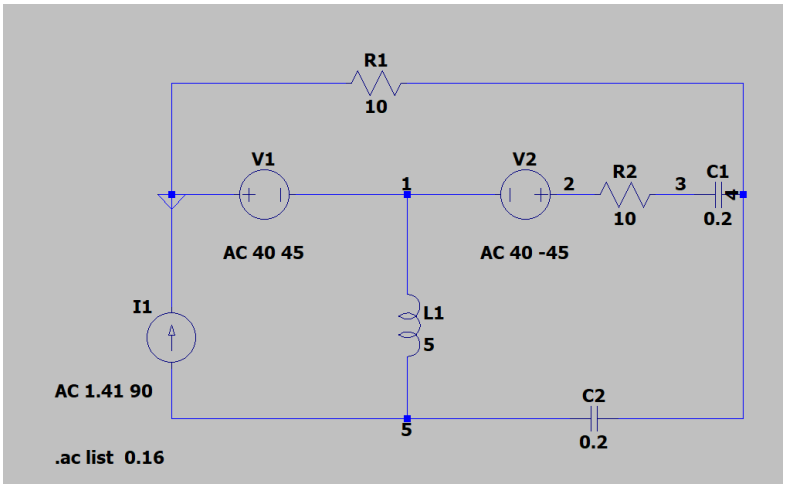
```
      --- DC transfer characteristic ---

v1:             10              voltage
V(4):           10              voltage
V(2):           4               voltage
V(5):           6.8             voltage
V(3):           7.2             voltage
V(6):           6.4             voltage
V(7):           6.4             voltage
I(F1):          0.2             device_current
I(R6):          -0.04           device_current
I(R5):          -0.28           device_current
I(R4):          -0.32           device_current
I(R3):          -0.28           device_current
I(R2):          -0.32           device_current
I(R1):          -0.4            device_current
I(E1):          -0.04           device_current
I(V2):          0.04            device_current
I(V1):          -0.4            device_current
```

Colocviu Test

Ex AC




```
* C:\Users\Vlad\Desktop\Poli\Draft2.asc
R1 4 0 10
V1 0 1 AC 40 45
V2 2 1 AC 40 -45
R2 3 2 10
C1 4 3 0.2
L1 1 5 5
C2 4 5 0.2
I1 5 0 AC 1.41 90
.ac list  0.16
.backanno
.end
```

```
      --- AC Analysis ---

frequency:      0.16          Hz
V(4):           mag:     35.1759 phase:    -127.193°
V(1):           mag:          40 phase:        -135°
V(2):           mag:     56.5685 phase:         -90°
V(3):           mag:     50.8507 phase:    -123.992°
V(5):           mag:      28.229 phase:    -173.275°
I(C2):          mag:     5.15247 phase:     15.3203°
I(C1):          mag:     3.18721 phase:     153.125°
I(L1):          mag:     4.96961 phase:     179.439°
I(I1):          mag:        1.41 phase:          90°
I(R2):          mag:     3.18721 phase:     153.125°
I(R1):          mag:     3.51759 phase:    -127.193°
I(V2):          mag:     3.18721 phase:     153.125°
I(V1):          mag:     2.54156 phase:    -146.788°
```