Computer Studies

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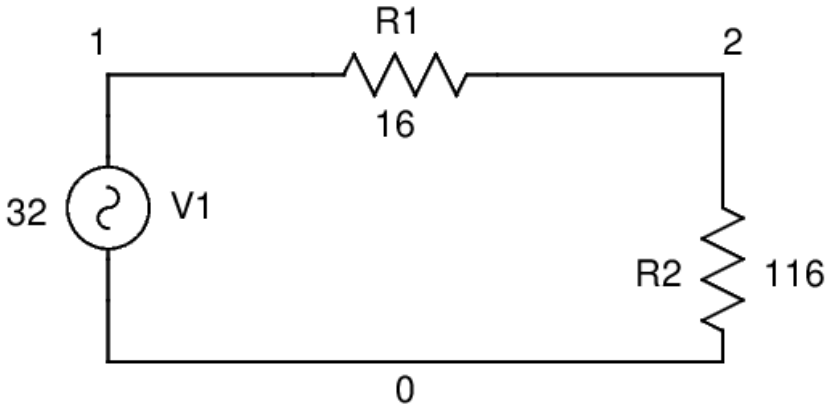
1 Gschem

I learnt to use gschem, it was pretty easy since it is very intuitive.You will find what I did on it beneath.



Here is the scheme obtained after printing

2 Ngspice

```
* Spice netlister for gnetlist
R2 0 2 116
R1 1 2 16
V1 1 0 32
.END
```

Here is .net file obtained

3 Results

```
ngspice 1 -> source 01.net

Circuit: * spice netlister for gnetlist

ngspice 1 -> tran 5 1
Doing analysis at TEMP = 27.000000 and TNOM = 27.000000


Initial Transient Solution
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Node                                   Voltage
----                                   -------
2                                      28.1212
1                                           32
v1#branch                           -0.242424



No. of Data Rows : 59
ngspice 1 -> plot "1"
ngspice 1 -> plot "2"
```
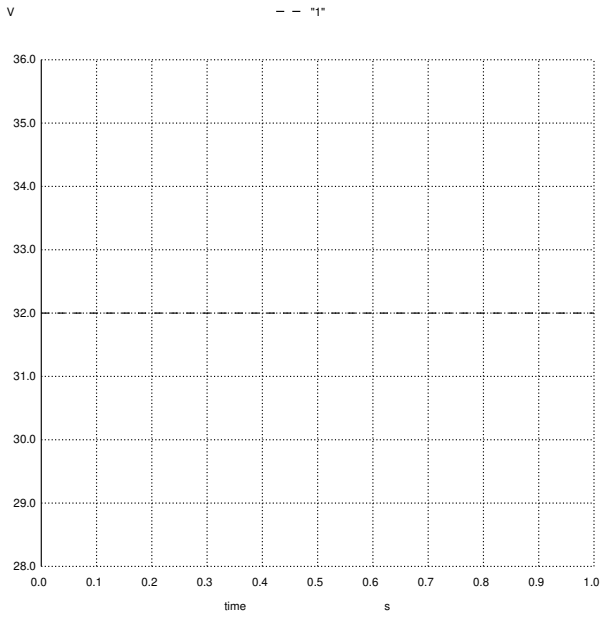

Here is the result of plot ”1”



And here is the result of plot "2"