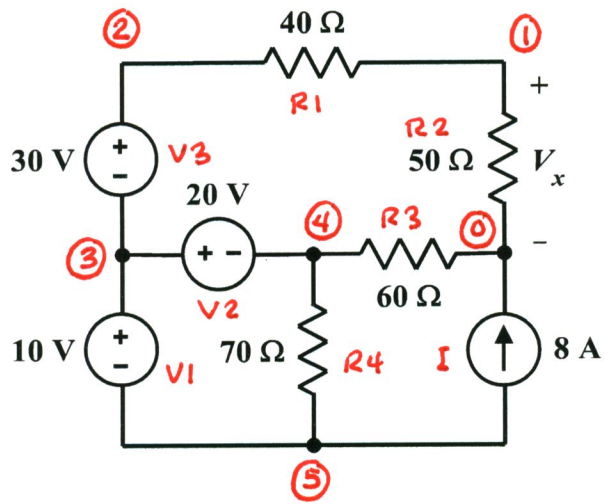


EE 2240
Problem #04

Use PSpice to determine V_x .



```

Problem #04
R1 2 1 40
V3 2 3 dc 30
R2 1 0 50
V2 3 4 dc 20
R3 4 0 60
V1 3 5 dc 10
R4 4 5 70
I 5 0 dc 8
.end

```

Problem #04

```
R1 2 1 40
V3 2 3 dc 30
R2 1 0 50
V2 3 4 dc 20
R3 4 0 60
V1 3 5 dc 10
R4 4 5 70
I 5 0 dc 8
.end
```

**** 02/03/15 16:46:37 ***** PSpice Lite (October 2012) ***** ID# 10813 ****

Problem #04

**** CIRCUIT DESCRIPTION

```
R1      2      1      40
V3      2      3      dc      30
R2      1      0      50
V2      3      4      dc      20
R3      4      0      60
V1      3      5      dc      10
R4      4      5      70
I       5      0      dc      8
```

.end
♀

**** 02/03/15 16:46:37 ***** PSpice Lite (October 2012) ***** ID# 10813 ****

Problem #04

**** SMALL SIGNAL BIAS SOLUTION TEMPERATURE = 27.000 DEG C

NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE
1)	-143.3300	(2)	-258.0000	(3)	-288.0000	(4)	-308.0000
(5)	-298.0000						

This is V_x .

VOLTAGE SOURCE CURRENTS
NAME CURRENT

V3	2.867E+00
V2	-5.276E+00
V1	8.143E+00

TOTAL POWER DISSIPATION -6.19E+01 WATTS

JOB CONCLUDED

♀
**** 02/03/15 16:46:37 ***** PSpice Lite (October 2012) ***** ID# 10813 ****

Problem #04

**** JOB STATISTICS SUMMARY

Total job time (using Solver 1) = .30

♀