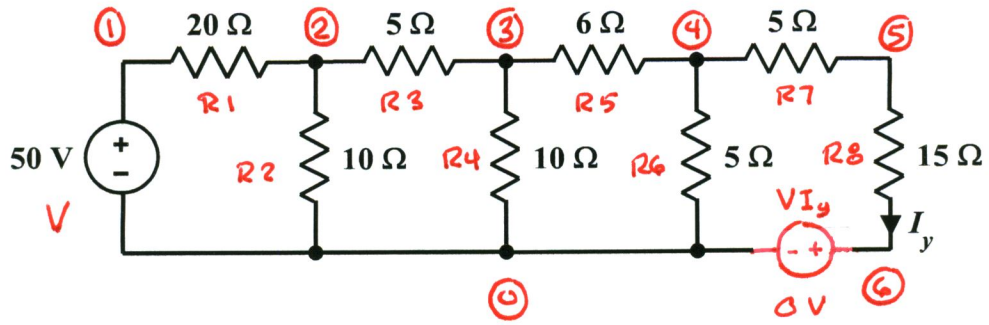


EE 2240
Problem #02

Use PSpice to determine I_y .



Problem #02

```
V      1      0      dc      50
R1     1      2      20
R2     2      0      10
R3     2      3      5
R4     3      0      10
R5     3      4      6
R6     4      0      5
R7     4      5      5
R8     5      6      15
VIy    6      0      dc      0
.end
```

Problem #02

```
V 1 0 dc 50
R1 1 2 20
R2 2 0 10
R3 2 3 5
R4 3 0 10
R5 3 4 6
R6 4 0 5
R7 4 5 5
R8 5 6 15
VIy 6 0 dc 0
.end
```

**** 02/04/15 16:18:30 ***** PSpice Lite (October 2012) ***** ID# 10813 ****

Problem #02

**** CIRCUIT DESCRIPTION

```
V      1      0      dc      50
R1     1      2      20
R2     2      0      10
R3     2      3      5
R4     3      0      10
R5     3      4      6
R6     4      0      5
R7     4      5      5
R8     5      6      15
VIy    6      0      dc      0
```

.end

**** 02/04/15 16:18:30 ***** PSpice Lite (October 2012) ***** ID# 10813 ****

Problem #02

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

NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE	NODE	VOLTAGE
(1)	50.0000	(2)	10.0000	(3)	5.0000	(4)	2.0000
(5)	1.5000	(6)	0.0000				

VOLTAGE SOURCE CURRENTS
NAME CURRENT

V -2.000E+00
VIy 1.000E-01

← This is I_y, in amperes (0.1A)

TOTAL POWER DISSIPATION 1.00E+02 WATTS

JOB CONCLUDED

♀
**** 02/04/15 16:18:30 ***** PSpice Lite (October 2012) ***** ID# 10813 ****

Problem #02

**** JOB STATISTICS SUMMARY

♀ Total job time (using Solver 1) = .02