

# Problem 4-2

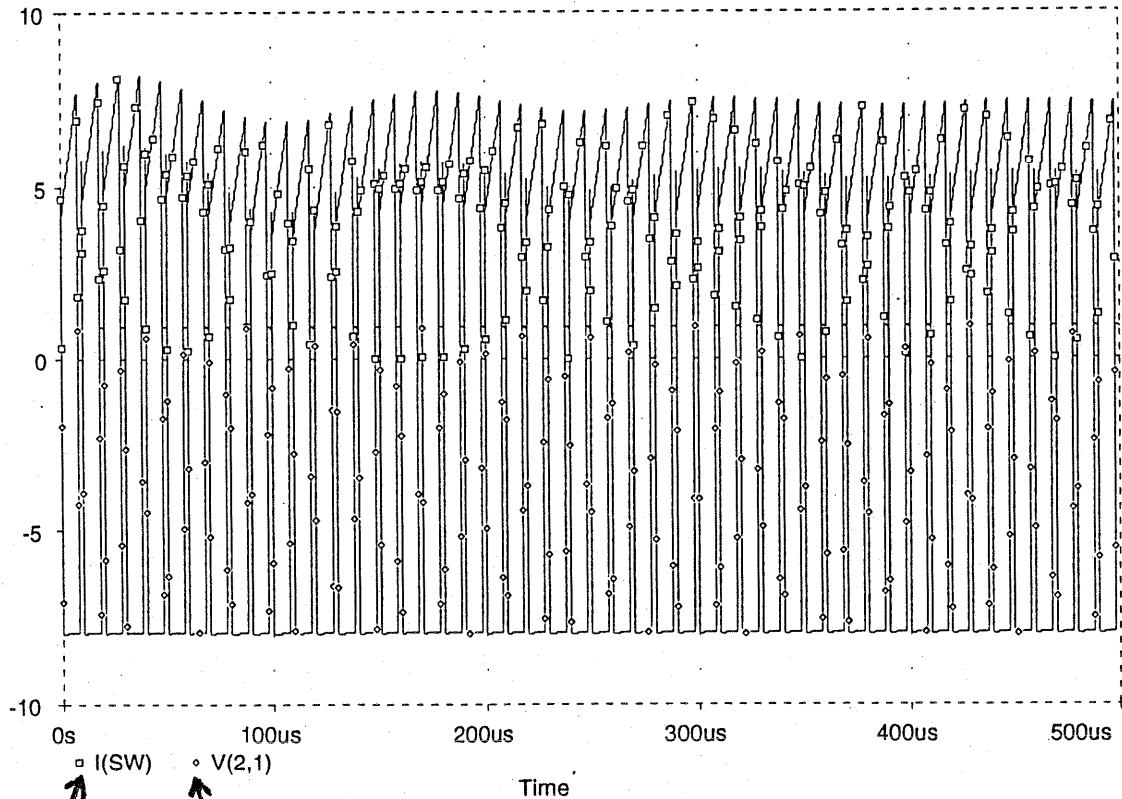
PSpice Example

```
*
DIODE 2 1 POWER_DIODE
Rsnub 1 5 100.0
Csnub 5 2 0.1uF
*
SW 2 0 6 0 SWITCH
VCNTL 6 0 PULSE(0V, 1V, 0s, 1ns, 1ns, 7.5us, 10us)
*
L 1 3 5uH IC=4A
rL 3 4 1m
C 4 2 100uF IC=5.5V
RLOAD 4 2 1.0
*
VD 1 0 8.0V
*
.MODEL POWER_DIODE D(RS=0.01, CJO=10pF)
.MODEL SWITCH VSWITCH(RO=0.01)
.TRAN 10us 500.0us 0s 0.2us uic
.PROBE
.END
```

PSpice Example

Date/Time run: 10/11/94 17:43:58

Temperature: 27.0



*i<sub>switch</sub>*  
*v<sub>diode</sub>*

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