.tran 1ms 3ms

.lib "nom.lib"

.INC "rss dual.net"

V\_V4 $N\_0001 0 12V

V\_V3 0 $N\_0002 12V

R\_R1 $N\_0002 $N\_0003 1k

Q\_Q2 $N\_0004 0 $N\_0003 Q2N3904

V\_V1 $N\_0005 0 DC 0v AC 100mv

+SIN 0v 100mv 1khz 0 0 0

R\_R2 $N\_0006 $N\_0001 1k

Q\_Q1 $N\_0006 $N\_0005 $N\_0003 Q2N3904

R\_R7 0 $N\_0004 1k

R\_R3 $N\_0004 $N\_0001 1k

.PROBE V(\*) I(\*) W(\*) D(\*) NOISE(\*)

.END

 Q2N3904

 NPN

 IS 6.734000E-15

 BF 416.4

 NF 1

 VAF 74.03

 IKF .06678

 ISE 6.734000E-15

 NE 1.259

 BR .7371

 NR 1

 RB 10

 RC 1

 CJE 4.493000E-12

 MJE .2593

 CJC 3.638000E-12

 MJC .3085

 TF 301.200000E-12

 XTF 2

 VTF 4

 ITF .4

 TR 239.500000E-09

 XTB 1.5

 CN 2.42

 D .87

NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE NODE VOLTAGE

($N\_0001) 12.0000 ($N\_0002) -12.0000

 ($N\_0003) -.7106 ($N\_0004) 3.2485

($N\_0005) 0.0000 ($N\_0006) 6.2810

VOLTAGE SOURCE CURRENTS

 NAME CURRENT

 V\_V4 -1.447E-02

 V\_V3 -1.129E-02

 V\_V1 -3.368E-05

 TOTAL POWER DISSIPATION 3.09E-01 WATTS

 JOB CONCLUDED

 TOTAL JOB TIME .02

