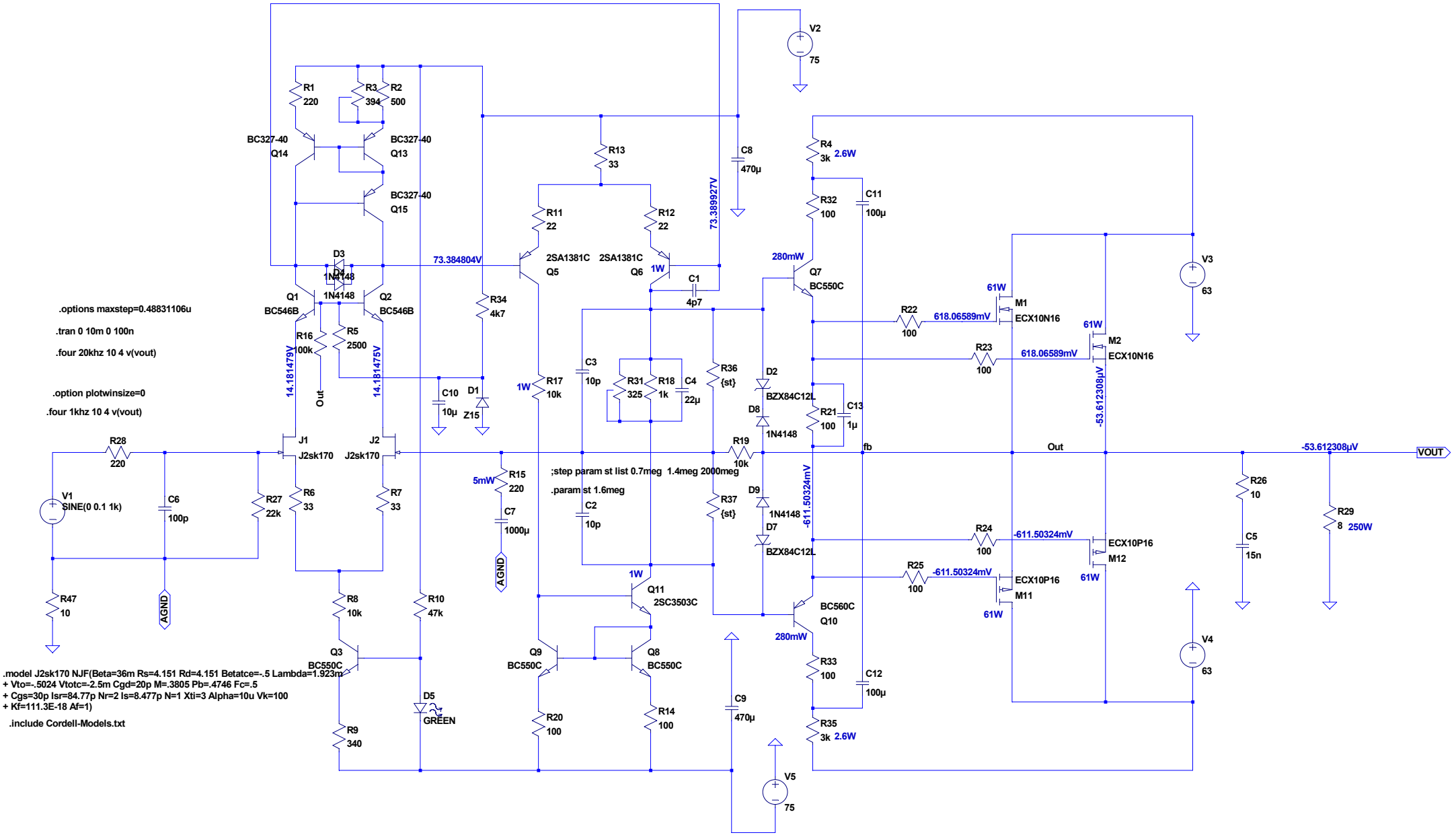
.options maxstep=0.48831106u
.tran 0 10m 0 100n
.four 20khz 10 4 v(vout)
.option plotwinsize=0
.four 1khz 10 4 v(vout)
.model J2sk170 NJF(Beta=36m Rs=4.151 Rd=4.151 Betatce=-.5 Lambda=1.923m
+ Vto=-.5024 Vtotc=-2.5m Cgd=20p M=.3805 Pb=.4746 Fc=.5
+ Cgs=30p Isr=84.77p Nr=2 Is=8.477p N=1 Xti=3 Alpha=10u Vk=100
+ Kf=111.3E-18 Af=1)
.include Cordell-Models.txt
;step param st list 0.7meg 1.4meg 2000meg
.param st 1.6meg
.MODEL 2SJ162 PMOS (VTO=842.193M KP=20U L=2U W=21.3317M GAMMA=0 PHI=600M LAMBDA=20.7067M RD=837.199M CBD=2.96862N IS=10F CGSO=1.13517N CGDO=1.13517N TOX=0 NSUB=0 TPG=1 UO=600 RG=50 RDS=1MEG)
.MODEL 2SK1058 NMOS (VTO=403.969M KP=20U L=2U W=29.7482M GAMMA=0 PHI=600M LAMBDA=184.988F RD=60.8251M CBD=2.56138N IS=10F CGSO=1.13517N CGDO=1.13517N TOX=0 NSUB=0 TPG=1 UO=600 RG=50 RDS=1MEG)
.MODEL ECX10N16 NMOS (LEVEL=1 VTO=-66.415M KP=20U L=2U W=76.3794M GAMMA=0 PHI=600M LAMBDA=3.44617M RD=244.181M RS=178.517M IS=10F CGSO=100P CGDO=100P TOX=0 NSUB=0 TPG=1 UO=600 RG=367.902 RDS=16.0012K)
.MODEL ECX10P16 PMOS (LEVEL=1 VTO=56.1959M KP=20U L=2U W=49.9039M GAMMA=0 PHI=600M LAMBDA=16.6941M RD=458.28M RS=214.674M CBD=1.00674N IS=10F CGSO=100P CGDO=100P TOX=0 NSUB=0 TPG=1 UO=600 RG=35.8793 RDS=1MEG)
--- C:\Users\Ricardo\LT SPICE RC\Assemblage VII EVO12 VOLTAGES.asc ---