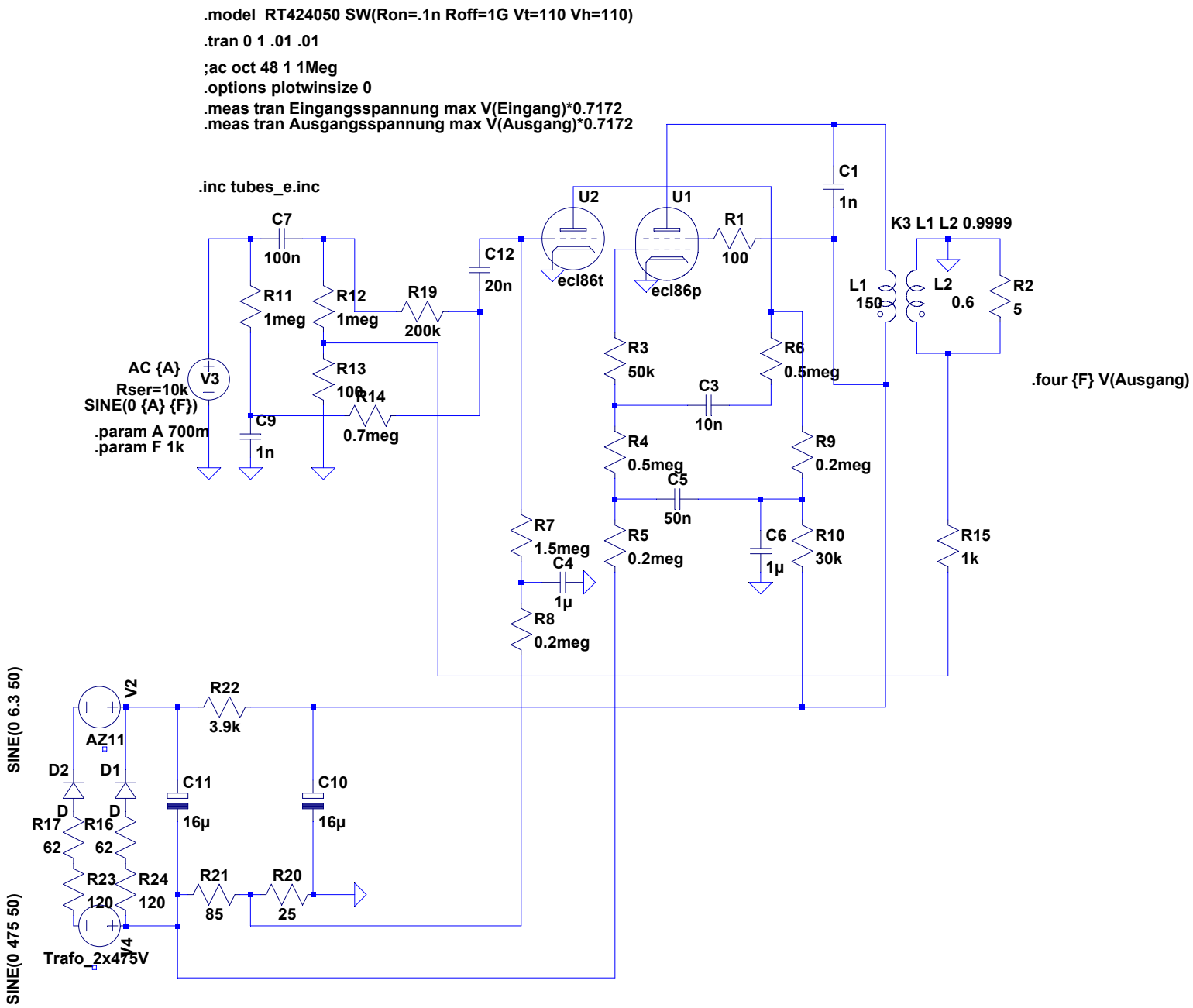

.model RT424050 SW(Ron=.1n Roff=1G Vt=110 Vh=110)
.tran 0 1 .01 .01
;ac oct 48 1 1Meg
.options plotwinsize 0
.meas tran Eingangsspannung max V(Eingang)*0.7172
.meas tran Ausgangsspannung max V(Ausgang)*0.7172
.inc tubes_e.inc
C7
100n
R11
1meg
R12
1meg
R19
200k
C12
20n
U2
U1
ecl86t
ecl86p
R1
100
C1
1n
K3 L1 L2 0.9999
L1
150
L2
0.6
R2
5
.four {F} V(Ausgang)
AC {A}
Rser=10k
SINE(0 {A} {F})
V3
.param A 700m
.param F 1k
C9
1n
R13
100
R14
0.7meg
R3
50k
R6
0.5meg
C3
10n
R4
0.5meg
R9
0.2meg
C5
50n
R7
1.5meg
C4
1µ
R8
0.2meg
R5
0.2meg
C6
1µ
R10
30k
R15
1k
SINE(0 6.3 50)
V2
AZ11
R22
3.9k
D2
D1
C11
16µ
C10
16µ
R17
62
R16
62
R23
120
R24
120
R21
85
R20
25
SINE(0 475 50)
V4
Trafo_2x475V