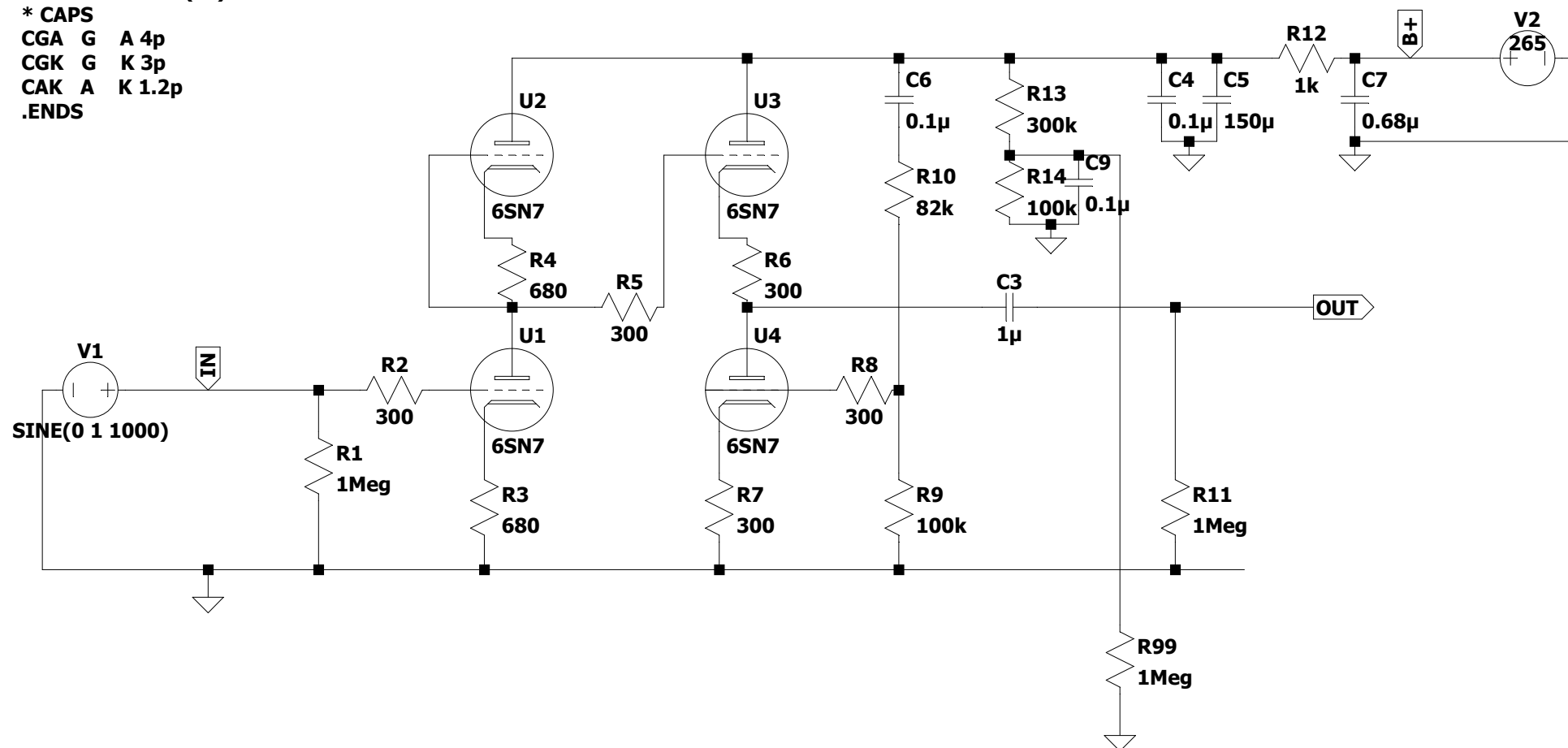


```

.SUBCKT 6SN7 A G K
BGG GG 0 V=V(G,K)+0.54900933
BM1 M1 0 V=(0.020494606*(URAMP(V(A,K))+1e-10))*-0.76277031
BM2 M2 0 V=(0.66290422*(URAMP(V(GG)+URAMP(V(A,K))/16.448024)+1e-10))*2.2627703
BP P 0 V=0.0012465111*(URAMP(V(GG)+URAMP(V(A,K))/24.812067)+1e-10)**1.5
BIK IK 0 V=U(V(GG))*V(P)+(1-U(V(GG)))*0.00074417047*V(M1)*V(M2)
BIG IG 0 V=0.0003834058*URAMP(V(G,K))*1.5*(URAMP(V(G,K))/(URAMP(V(A,K))+URAMP(V(G,K)))*1.2+0.4)
BIAK A K I=URAMP(V(IK,IG))-URAMP(V(IK,IG)-(0.0006816103*URAMP(V(A,K))*1.5)))+1e-10*V(A,K)
BIGK G K I=V(IG)
* CAPS
CGA G A 4p
CGK G K 3p
CAK A K 1.2p
.ENDS

```



.tran 5