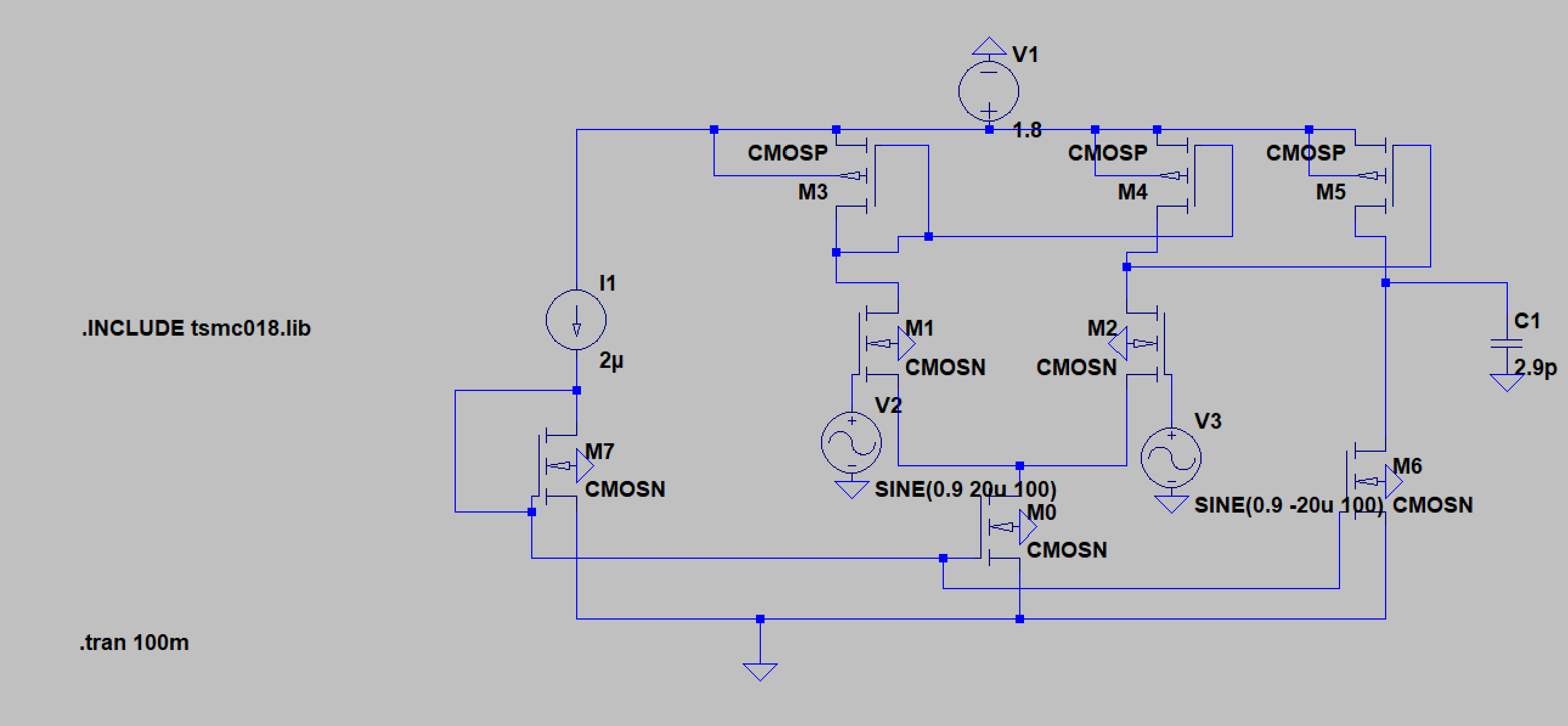
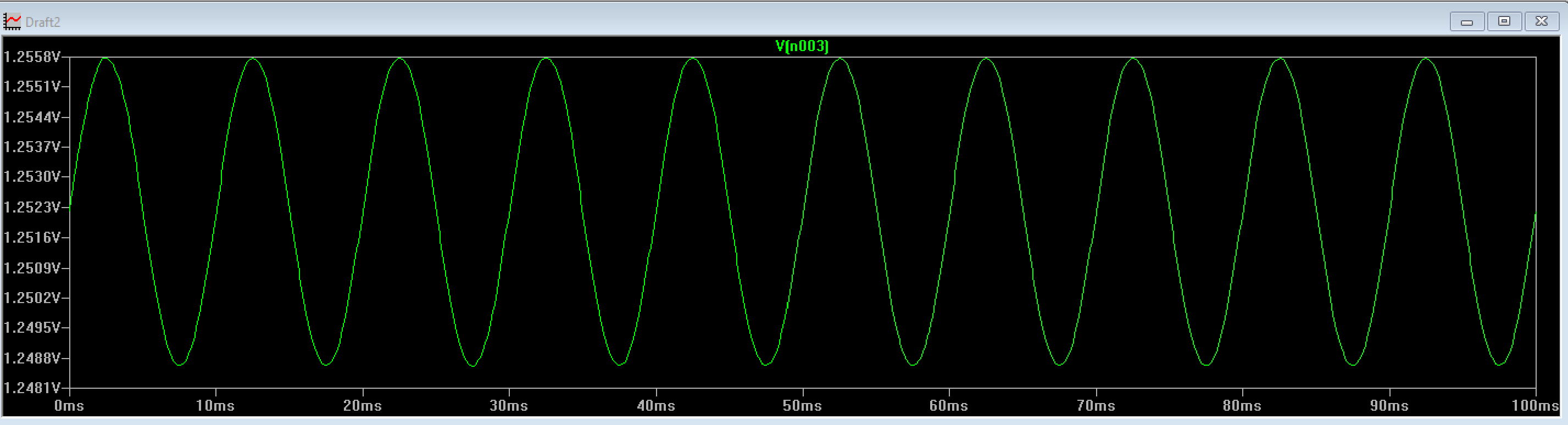
TWO STAGE OTA ASSIGNMENT

DC analysis DC gain plots:

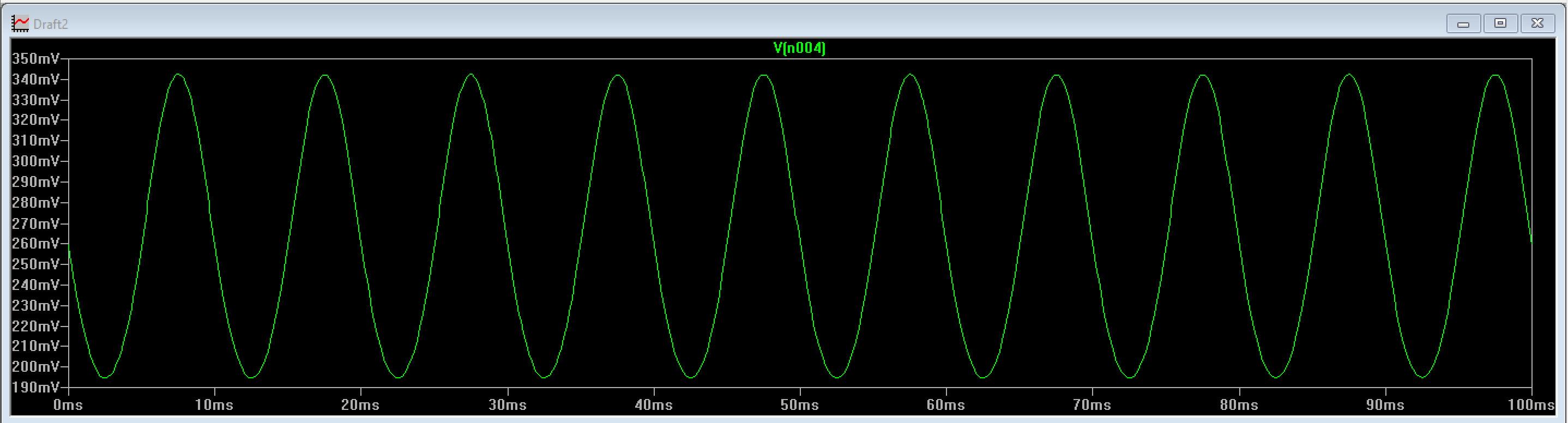
Schematic:



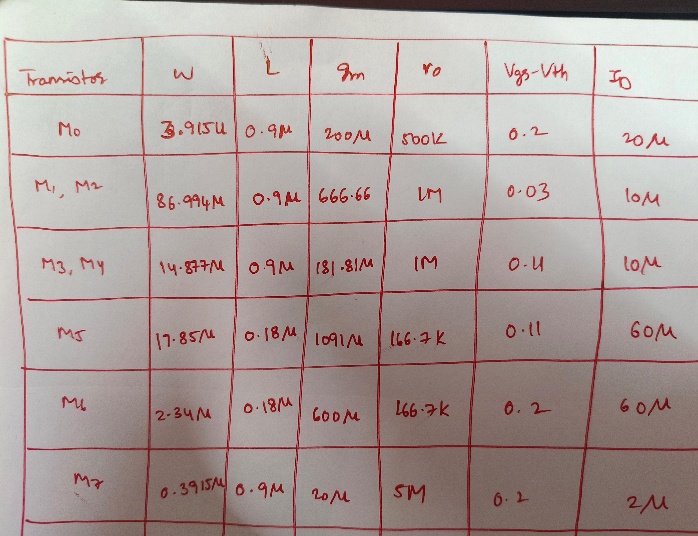
1st stage output

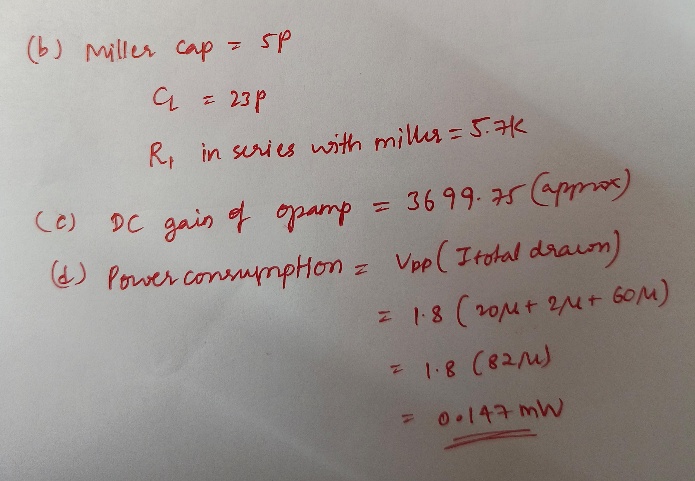


2nd stage final output



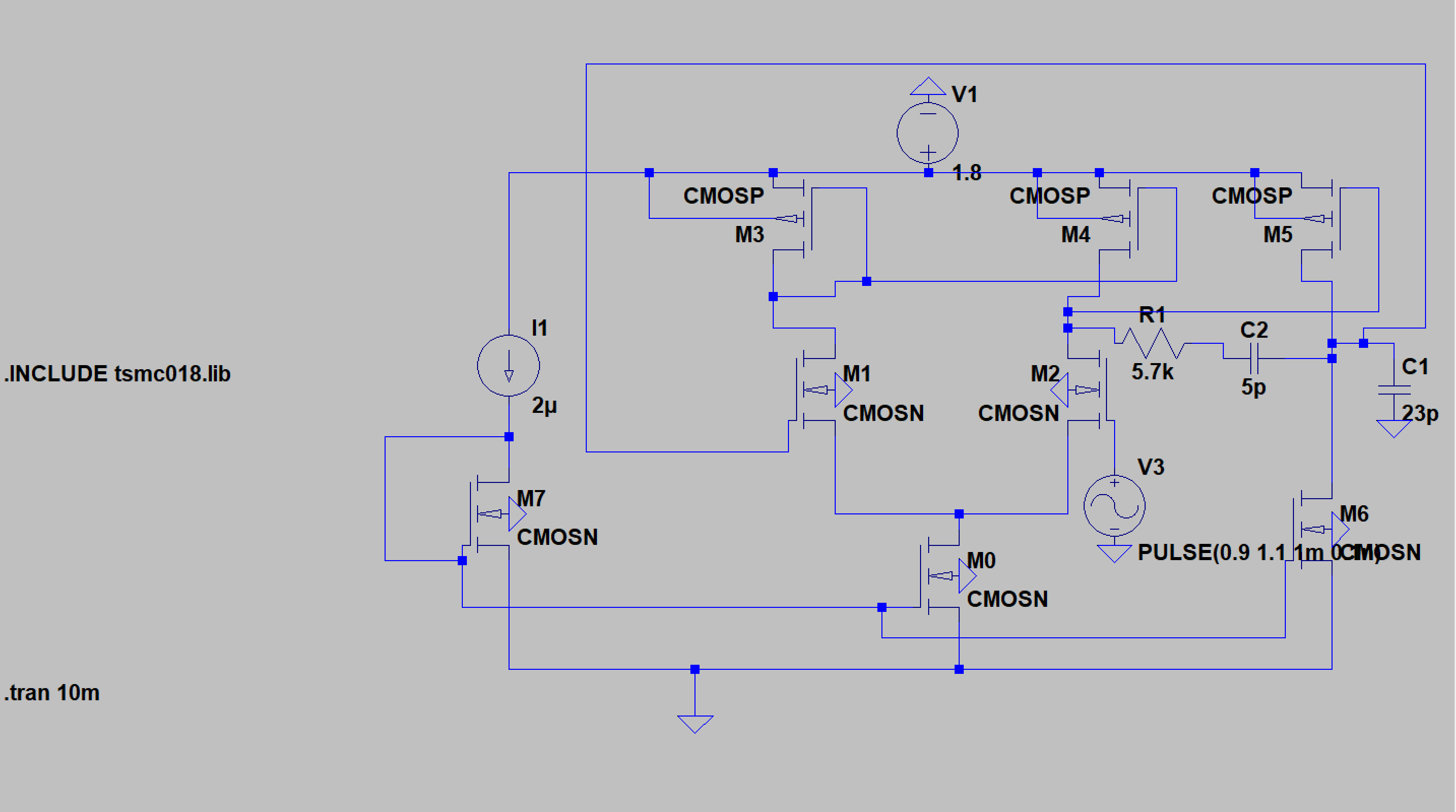
ALL designed values:



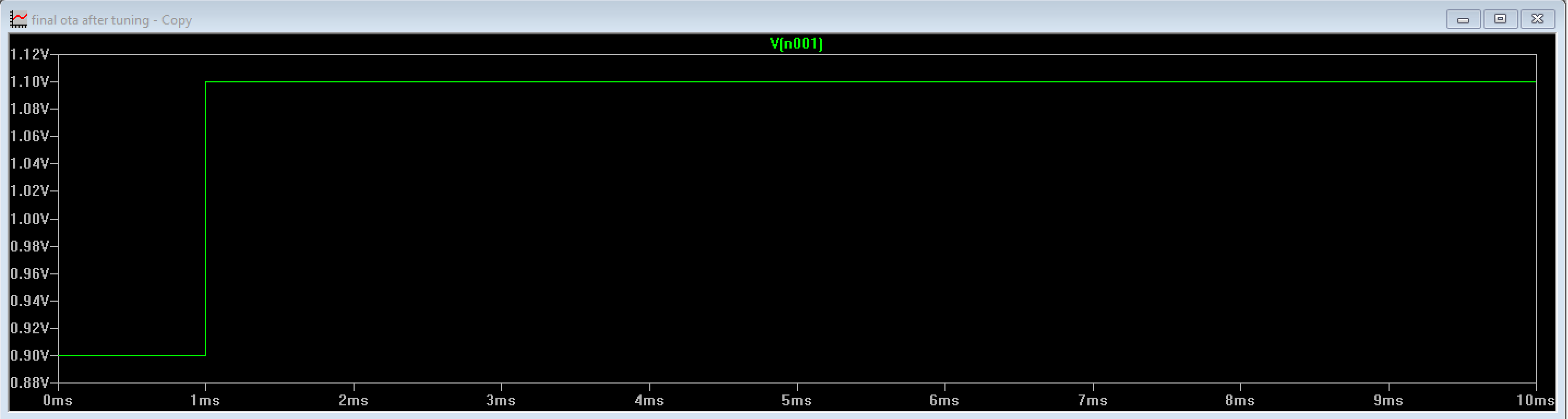


Transient analysis for a step input of 0.2V mag of a two stage ota with feedback

Schematic

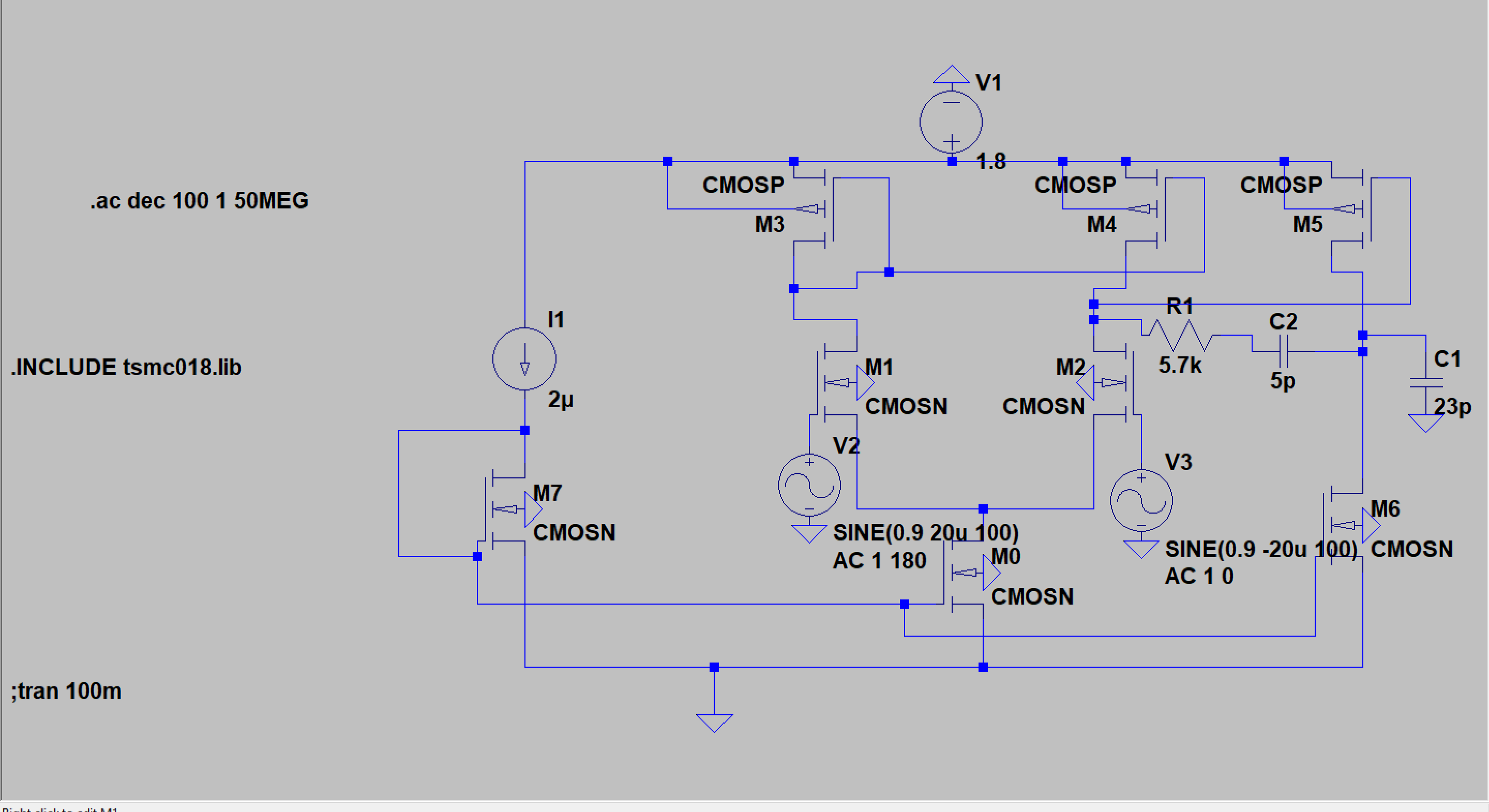


Output

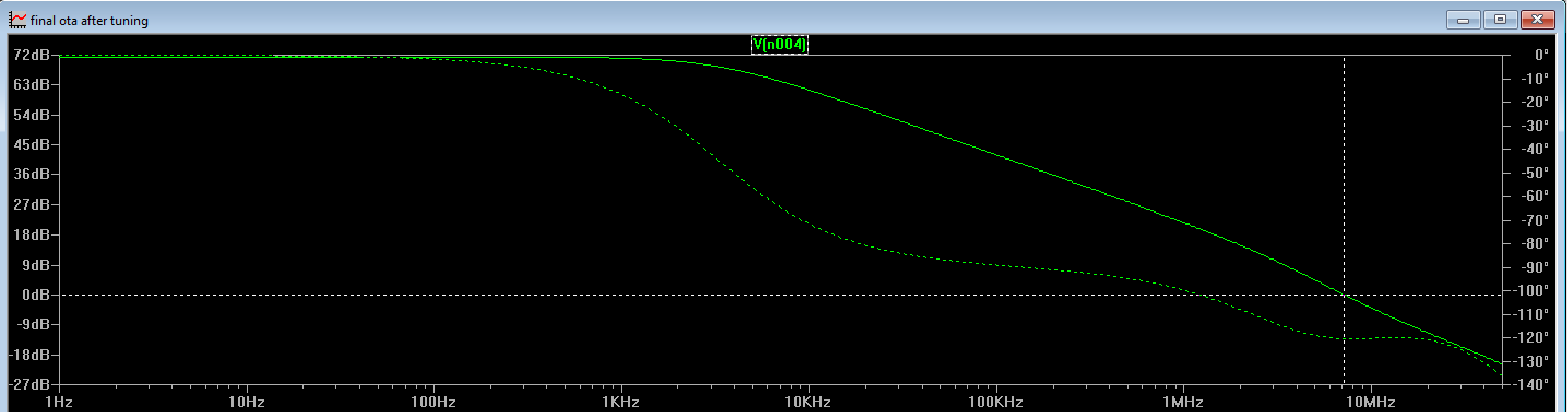


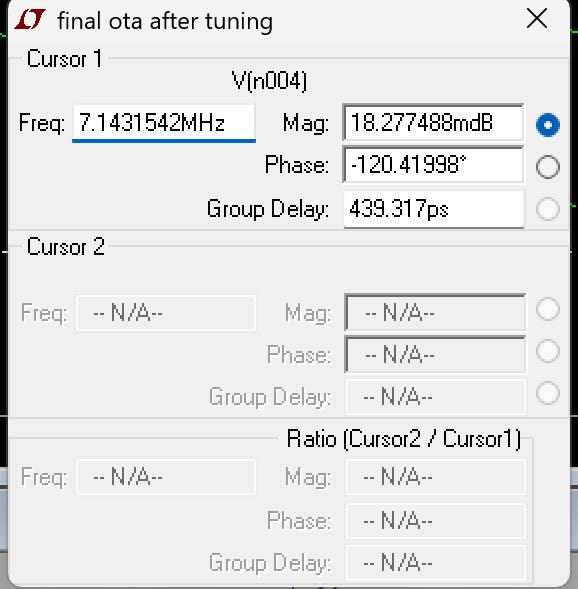
After tuning ,

Final ota schematic:



final ota phase margin:



 Phase margin= 180-|-120| =60 deg.