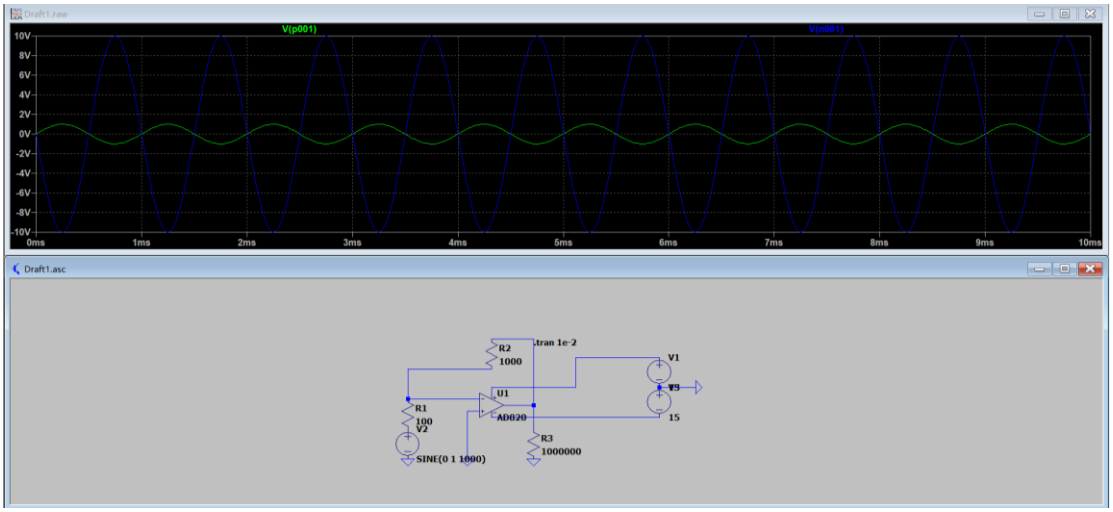
Electronique-DM1-SY1924142-JIANZHU

1. Étude statique

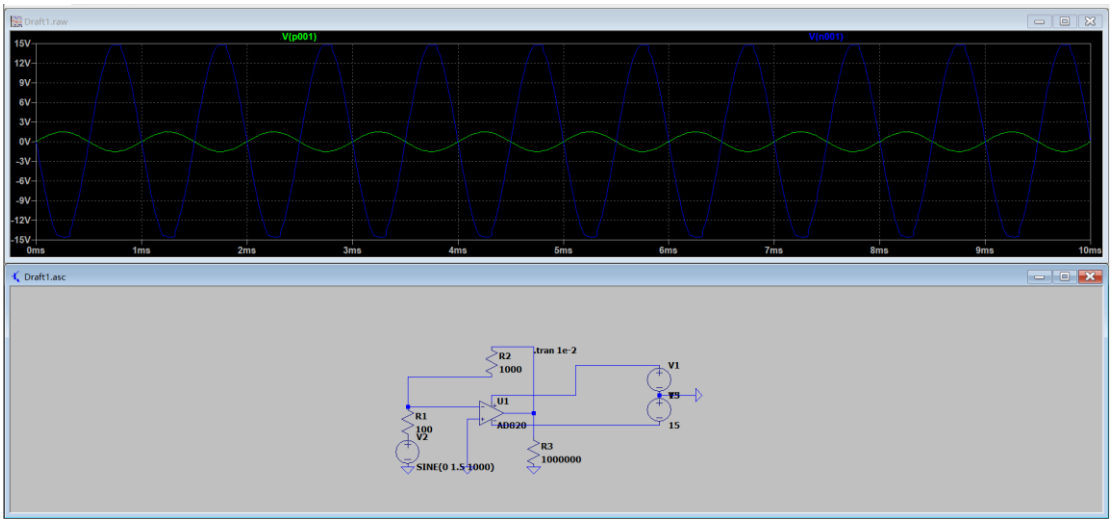
Q1



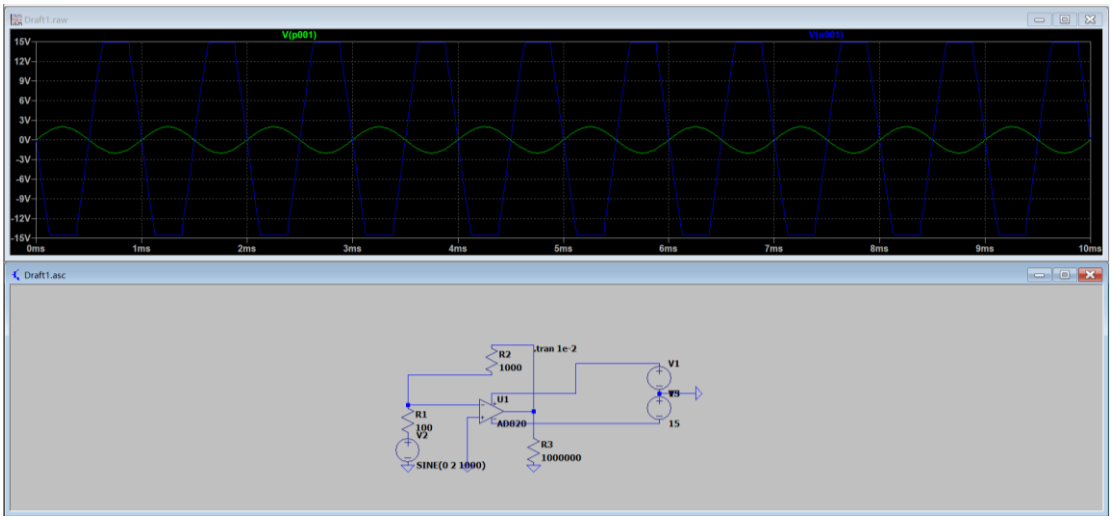
La ligne bleu est la sortie.

Q2.

A=1.5V



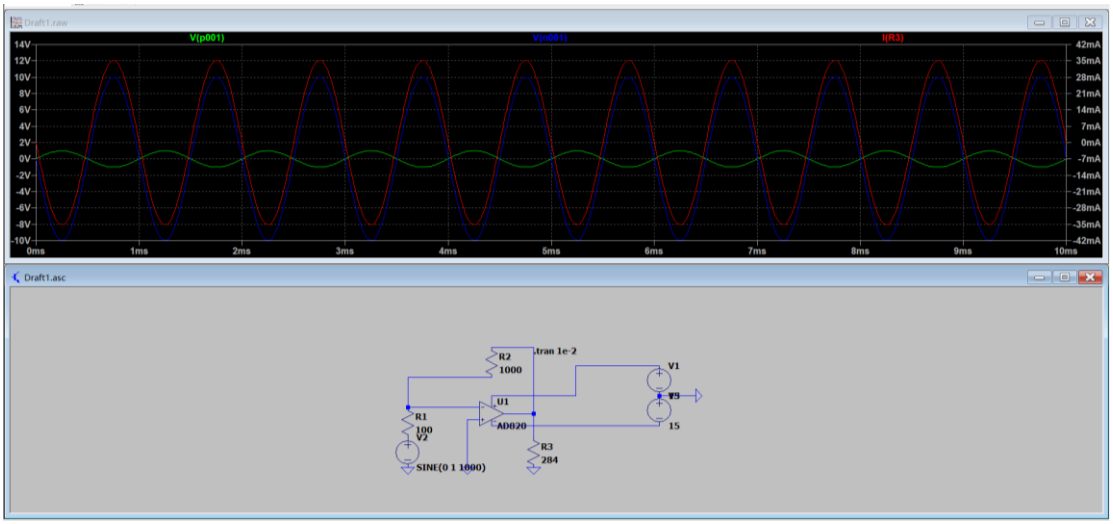
A=2V



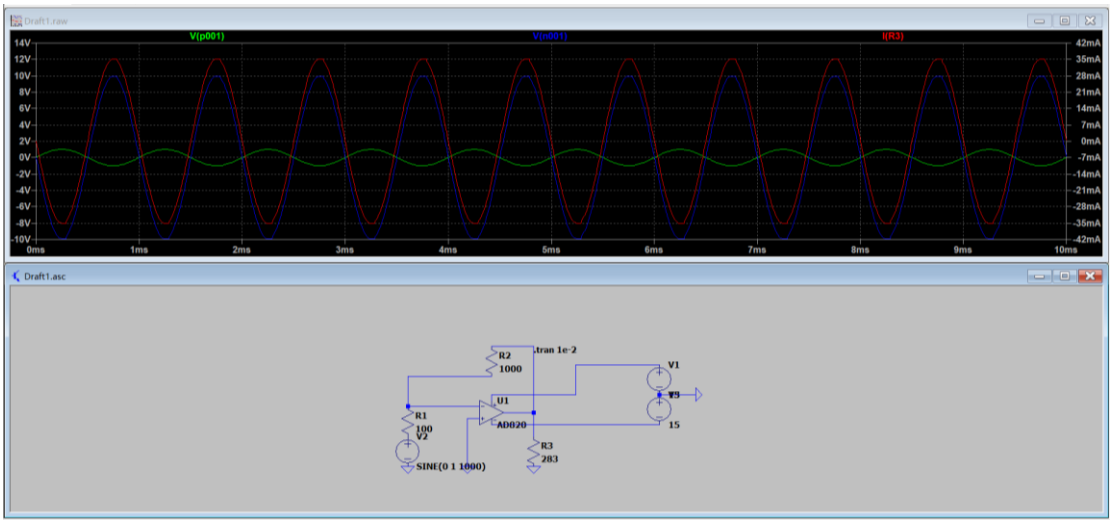
La valeur de saturation est cohérente, +/-15V pour AD820

Q3

R3=284 Ω



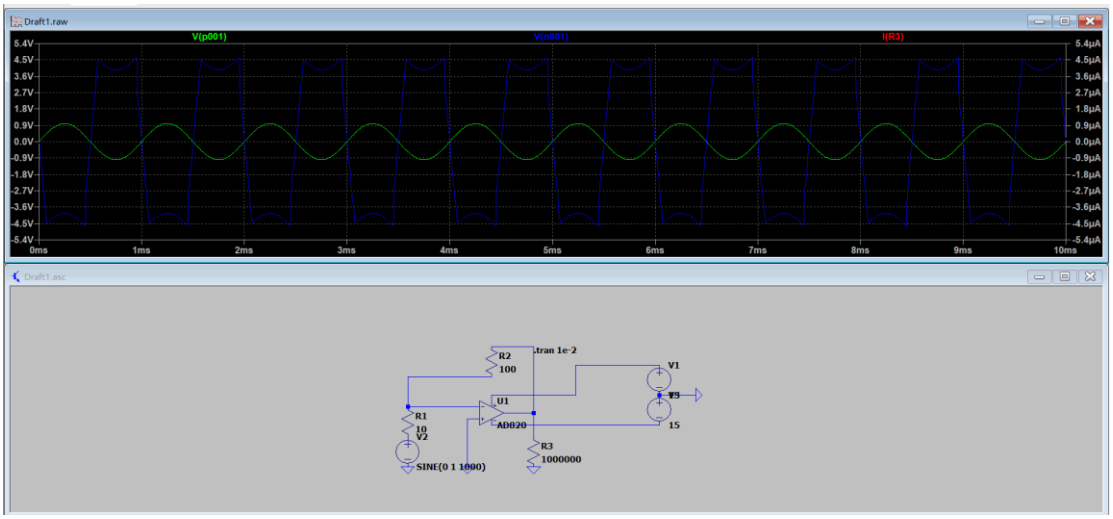
R3=283 Ω



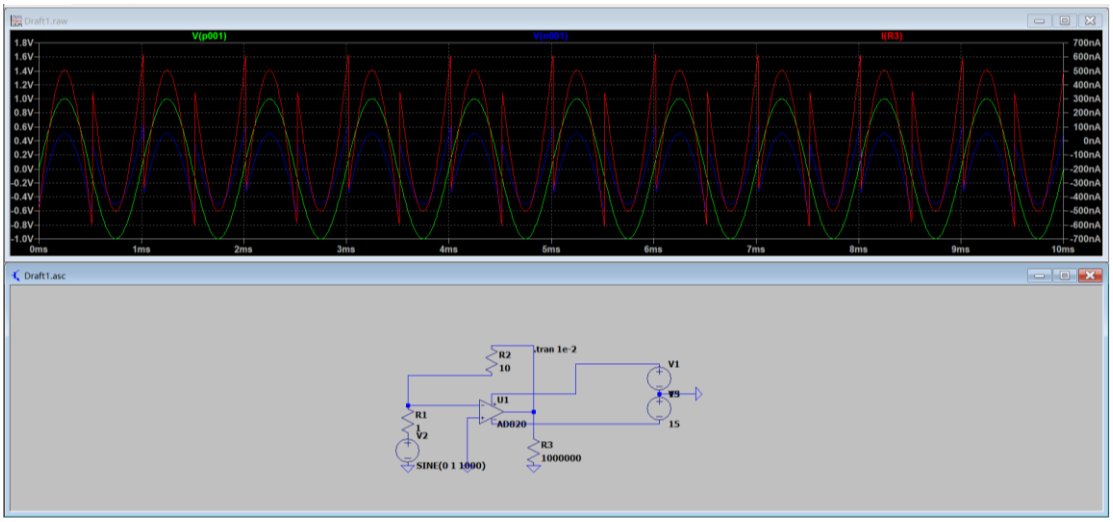
Donc, la valeur maximale est 35mA qui est la courant saturée de AD820.

Q4

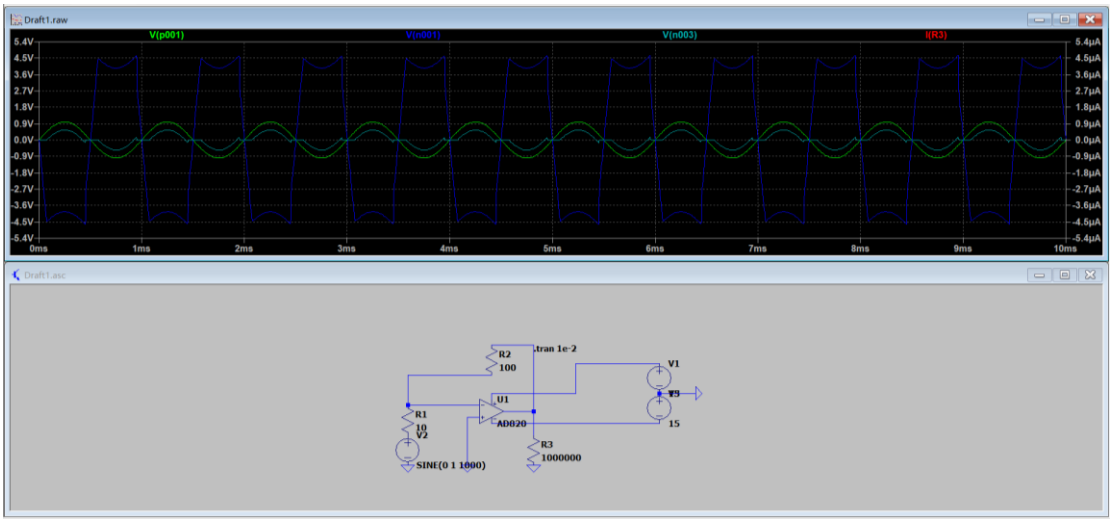
R1=10 Ω, R2=100 Ω



R1=1 Ω, R2=10 Ω

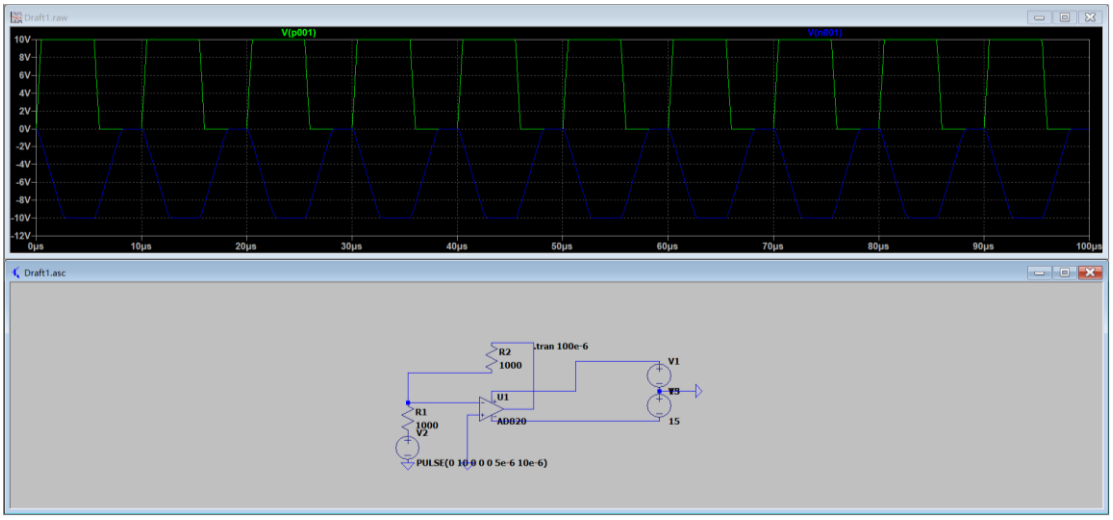


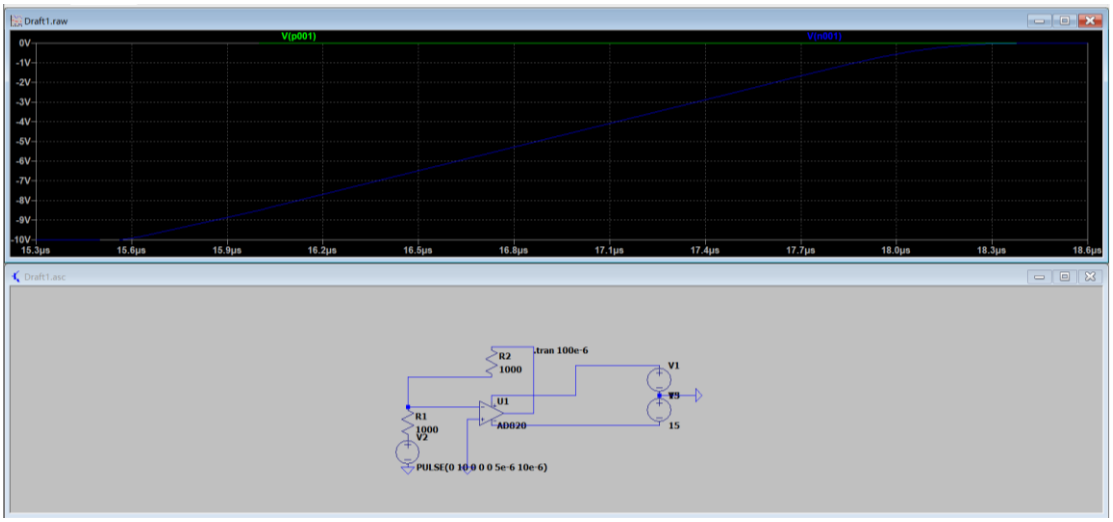
Si la valeur de la résistance est très petit, la valeur de V- ne peut pas rester équale à laquelle de V+, et il ne peut pas rester dans la mode lineaire.



2. Étude dynamique

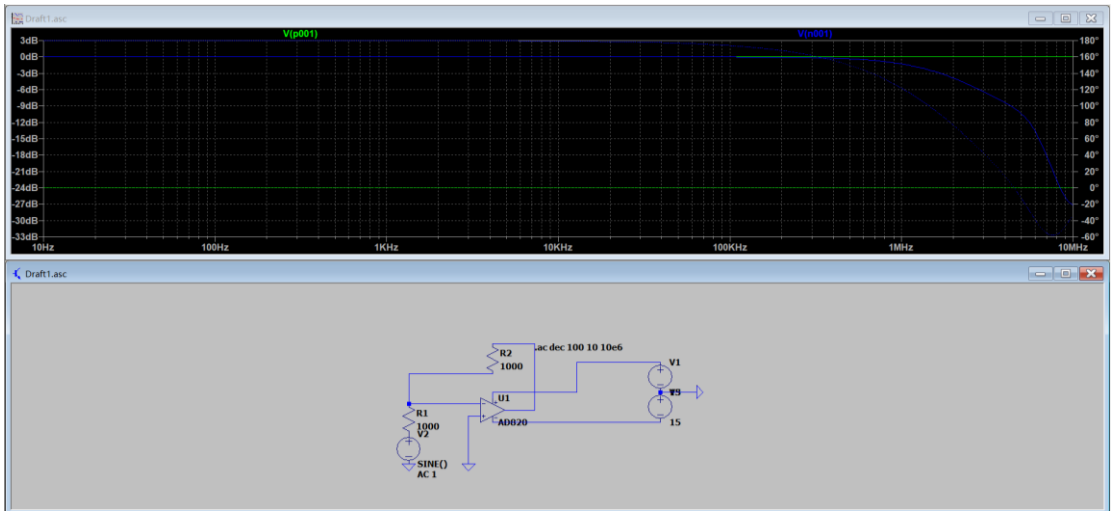
Q5.

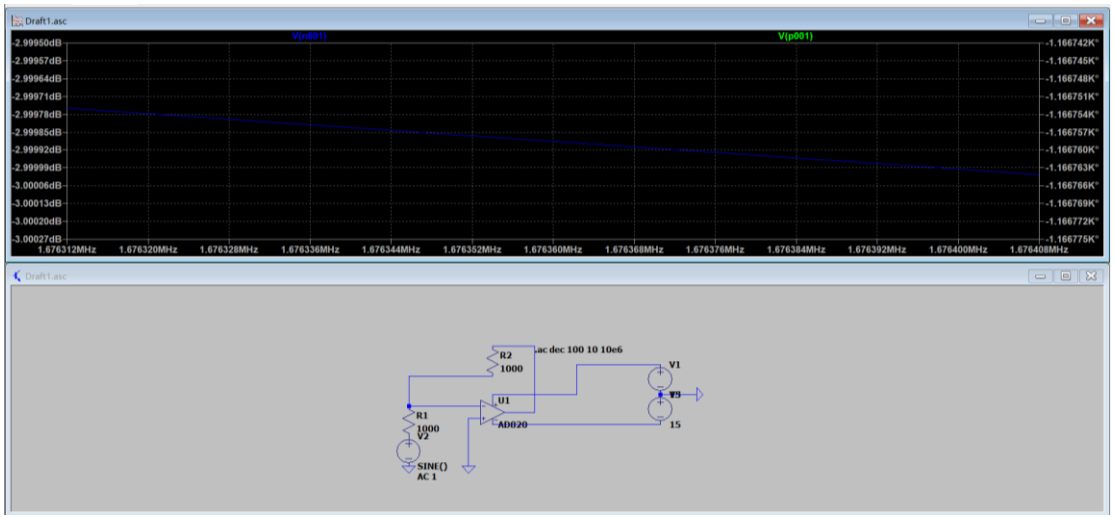




slew rate=10V/2.7µs≈3V/µs. C'est la même valeur dans la fiche technique.

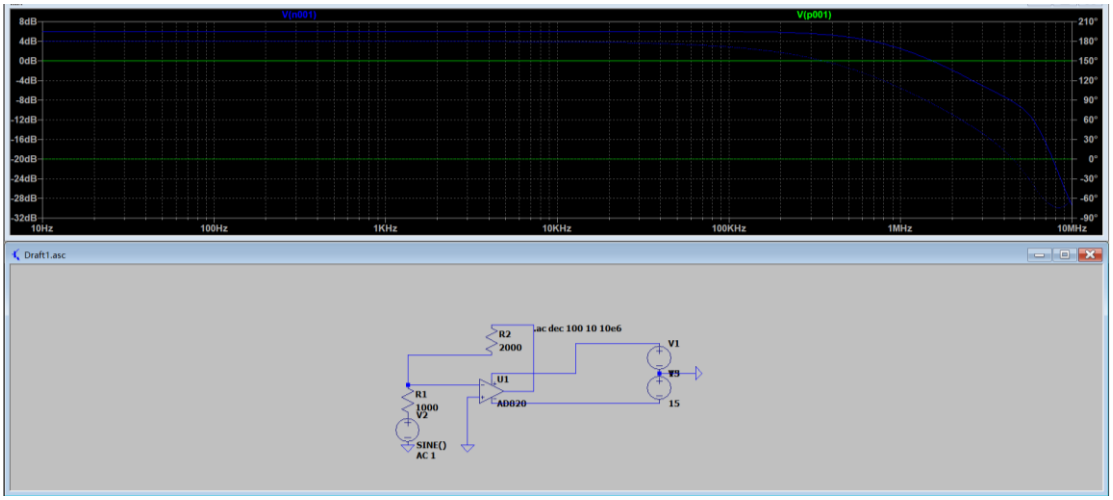
Q6.

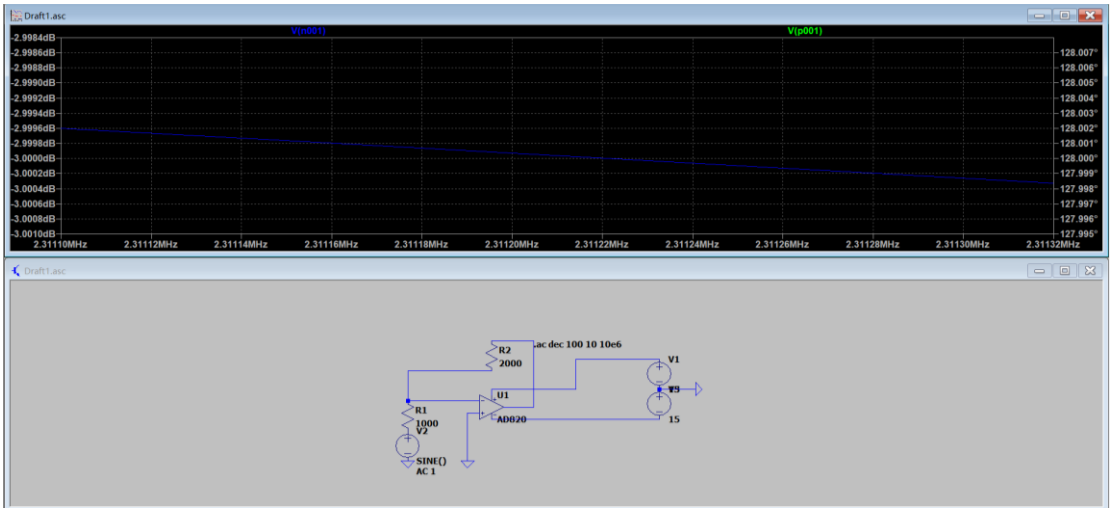




f=1.676397 MHz, un peu plus petit que 1.8MHz qui est dans la fiche technique.

Q7.





f=2.31122MHz