TRANSISTOR MOS STOD 2 HOUS AND VOXVS

FG = 0

TRANSISTOR MOS STOD 2 HOUS AND VOXVS

$$K' = 166 \cdot Cox = 166 = 160 =$$

NMOS PHOS

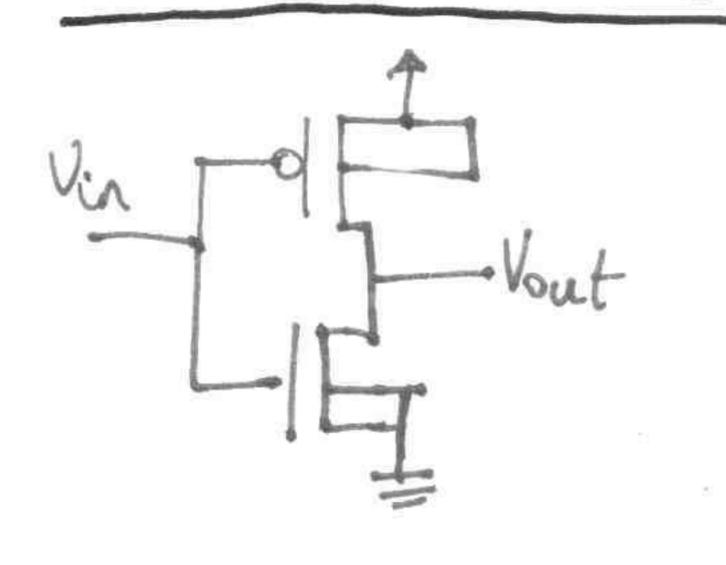
	CANAL LLARG	CANAL CORT
Vas & Vas	In = 0	A A
Vas > VTN		I0 = 0
CONDUCIÓ	OHMICA 0= VOS = VGS-VT	
Vas > Van	1 0 > VDC > 11 V	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Vas < Up	IO=Is=K'W ((4s-4) Vos-Vos)	on Vindy - mill (Vos, Kgs-K, Vosset)
	SATURACIÓ O = VGS-V+ & 1/2	To a section of the s
	0 > VGS - VT > VOS	OHMICA SAT SAT C. WARG C. CURT
	To = K'W 495-VT (1+1 1/05)	Vosst = L test = L Vset = - L test
	ID=KDW (VGS-4)2 [1+) [1+) [Vos!	7 and Vert = 105 m/
	2	

## CAPACITATS MOS

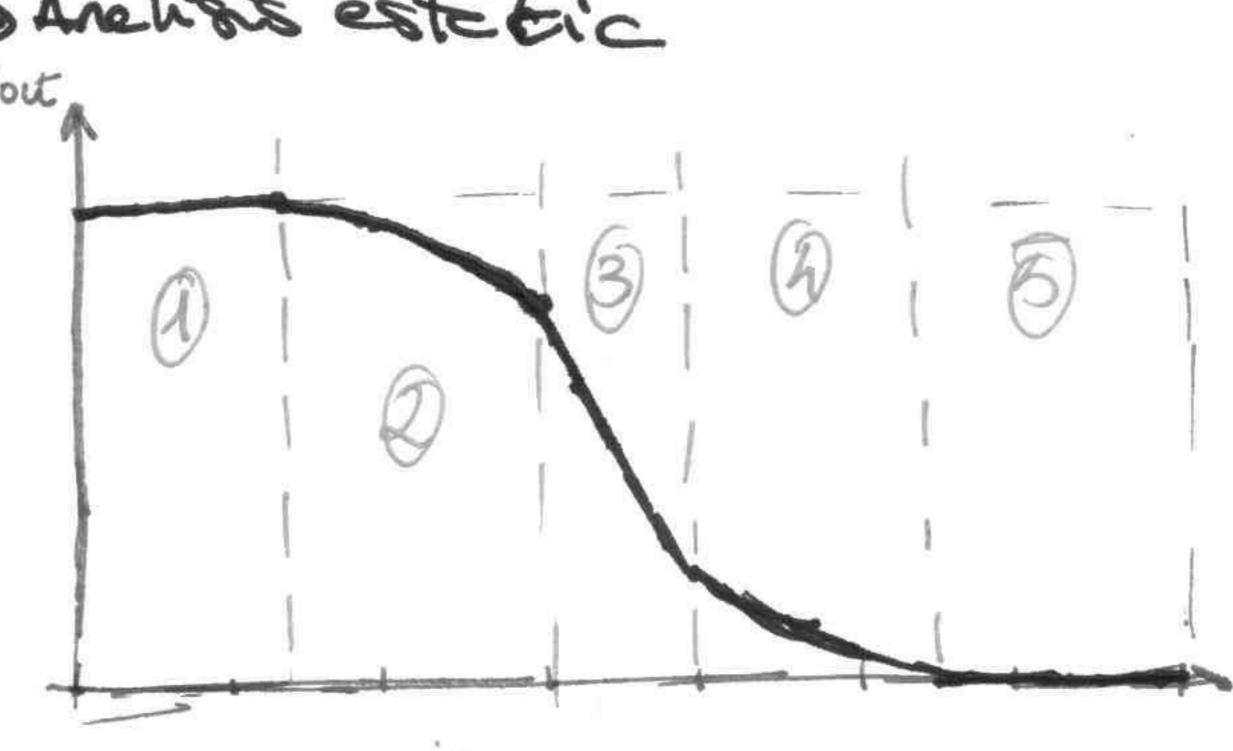
TAU: Predomine CGB = Esion W.L.; GB

TGS TGB TGD OHMICA: Production GD = GS = Coverlet + 1 8002 tox = Gorlet + 69BT

## INVERSOR MOS



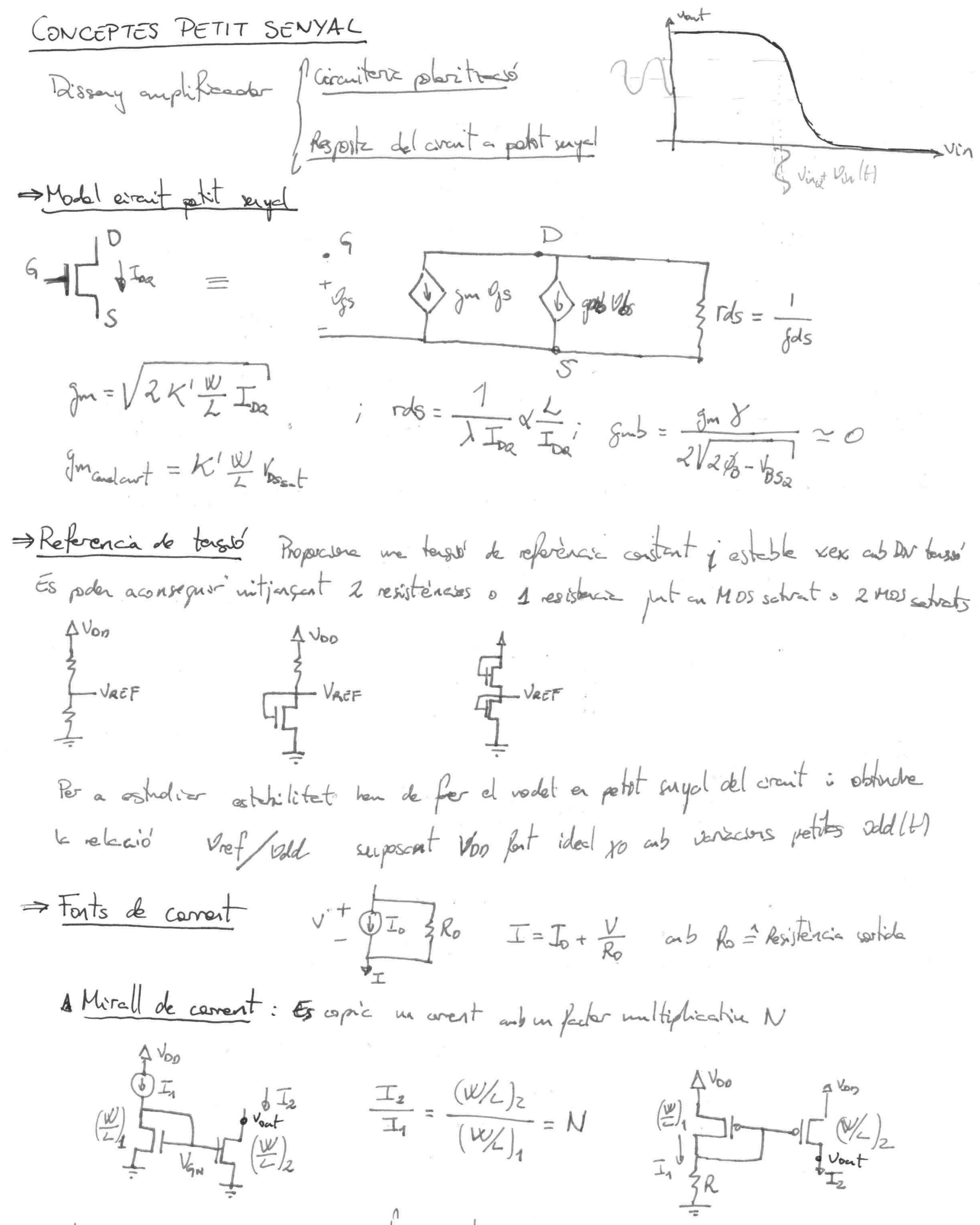
> Archibis estéléric



- 1. NHOS corte, Phos omnica
- 2. NMOS sat, PMOS Ohmica
- 3. NMOS sat, PMOS sat
- 4. Mus éhnica, PUOS sat
- 5. NHOS sot, PMOS corti

Mos and andersaders	
1. Es releasone Ip amb aments del condensadors	
2. Es fe supprició o avinquem estet corclascalar $\rightarrow$ Determine = 3 $I_c = C d(V_{c+} - V_{c-}) = d\Delta V_c$ es careasó carect a traver del contra de l'acceptant de l'accepta	Sodersader - TIC
Br. L'integra l'expressio i es déterme constants intégració amb co	reixerents & VC+
1	
· Si hi he orexionet entre prés logiques es treu capacitet equiv	+ 2 Cap
· Temps propegació à temp que trije den sertide en arriber a 1/2 > 4	PHL 1 PLH
-IT out the = - CLOAD - dvout	CLOAD  Kn W (VOD - WTN)
· frox = truc + truch of the control	
oténcie util P= f. Voo. q. n. x i f'n=# purles	
oc. 11	r hi Mesob
Discipator en avell Do Dofo fos = [N. (the + ten)	
Sterice dissipade / util 7	
Corrent corcurrent. Pa - Von IpEAK. tsc	Prote = P+Ro-4-Rest
structure Witers sucron	
Combreard out Tour Sustance + tour	
Efecte SKEW El rellotte sopaix + retords	
· Positiu: Touk > toront	

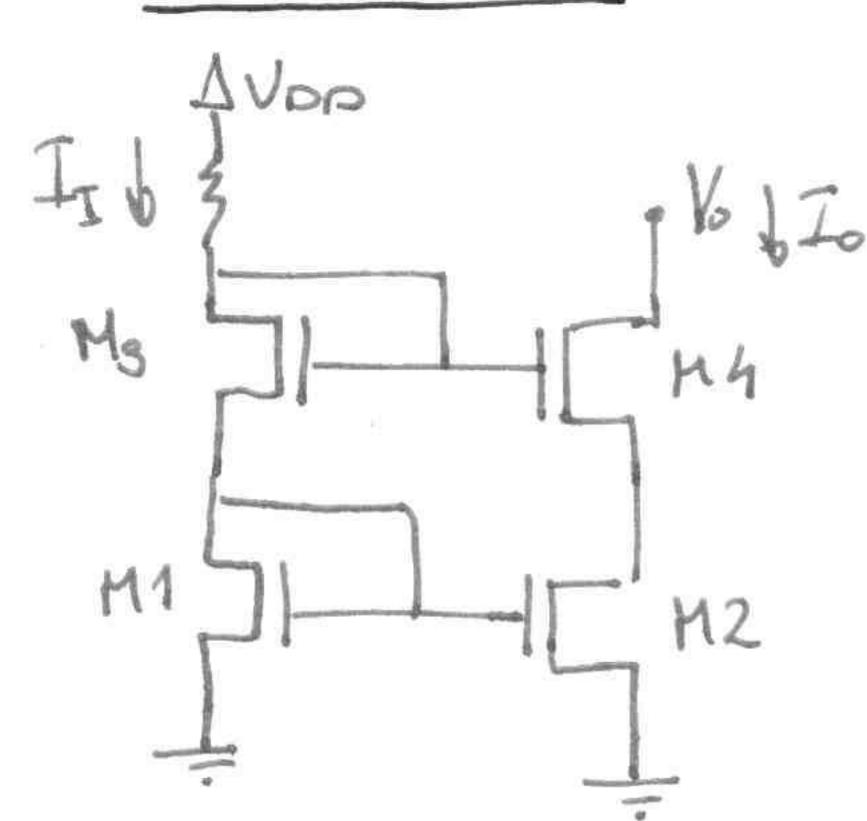
· Nopekin The : Take > tpcq + tpcons + tou + touch + tou + touch + tou + touch + tou + touch +



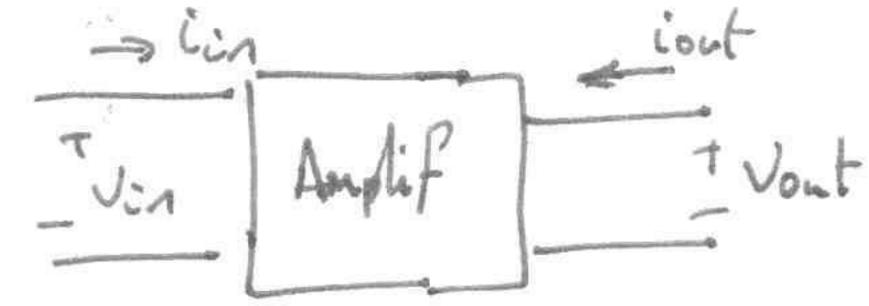
VgN es un grant de llibertet | Vont interesse que sige minim possible xo and  $\frac{1}{L}$  raonables

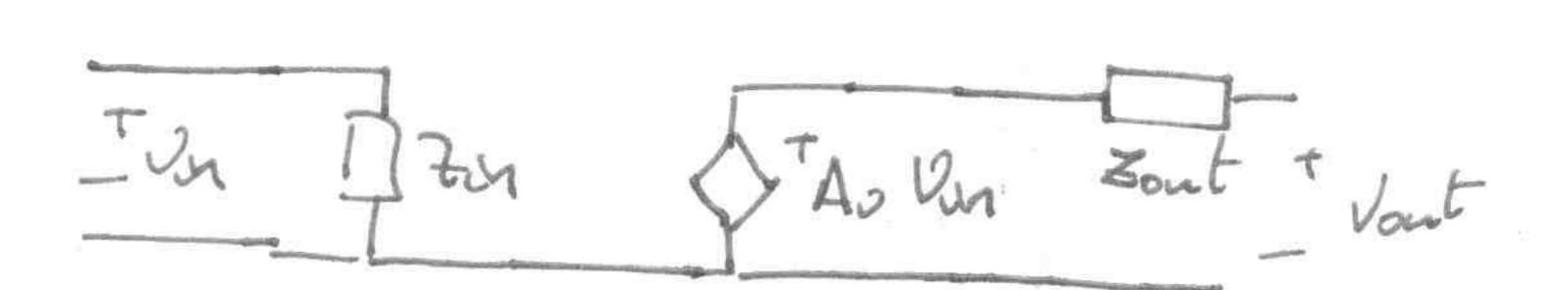
Rout interesse naixim possible Rout =  $\frac{1}{\lambda I_2}$ 

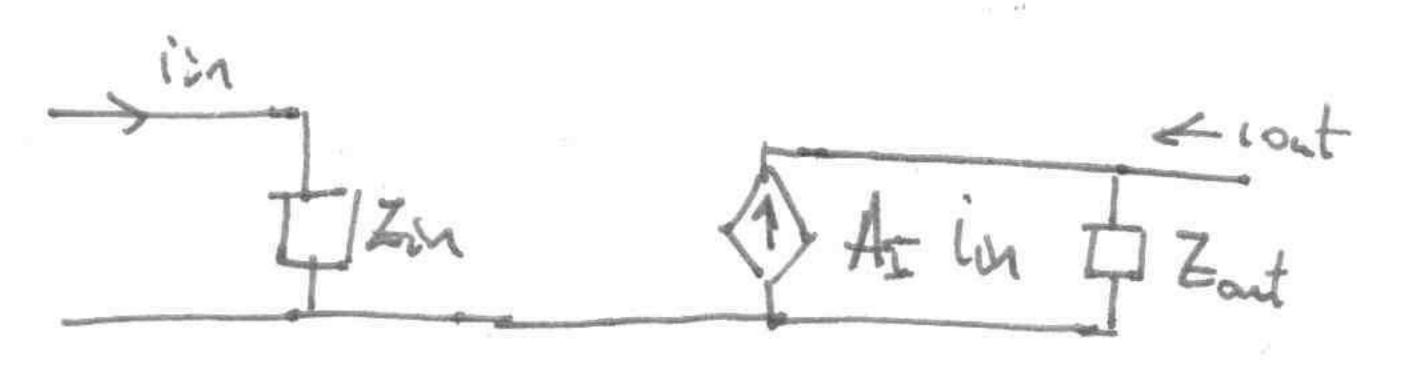
## A Forts Cas coole

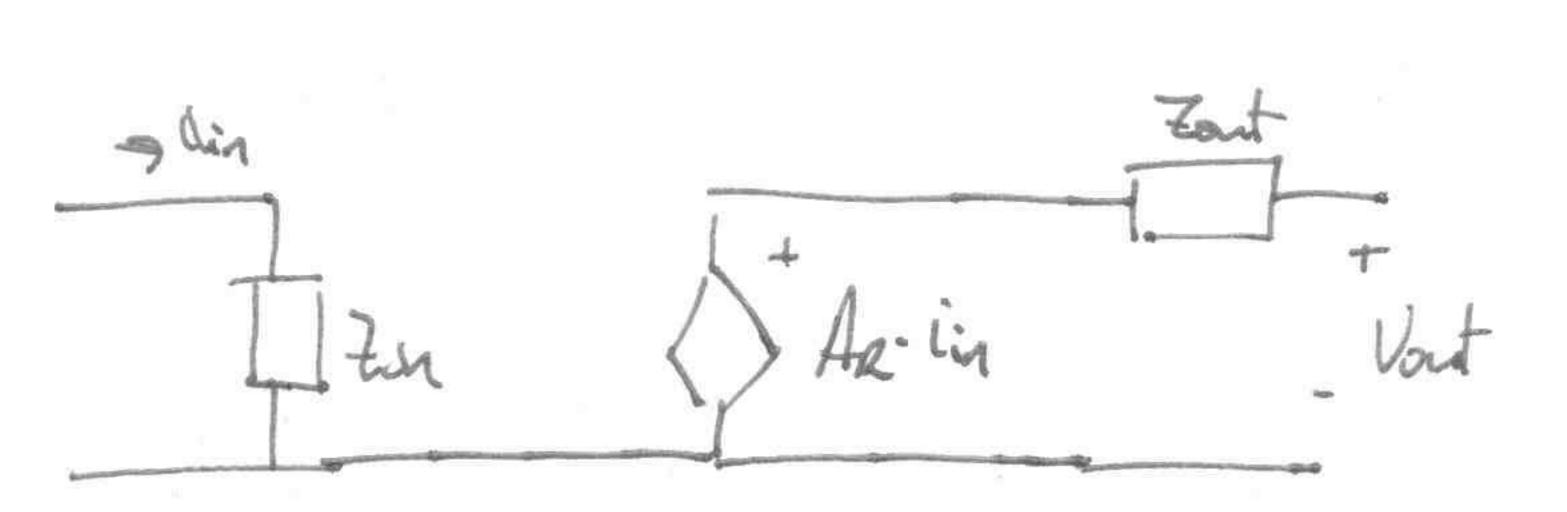


## ETAPES AMPLIFICADORES BASIQUES

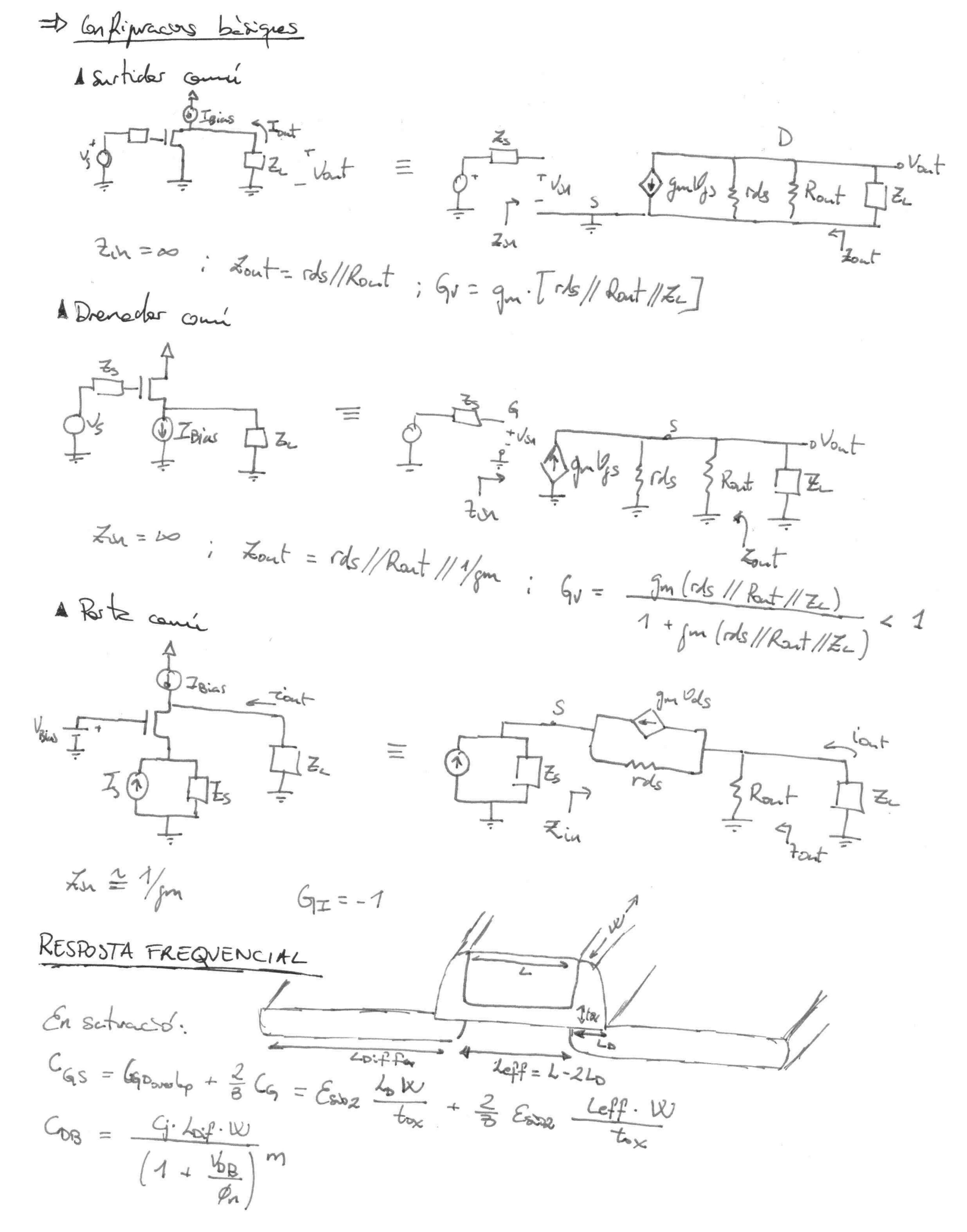








4



Sun 12. Statement of the last de CDB