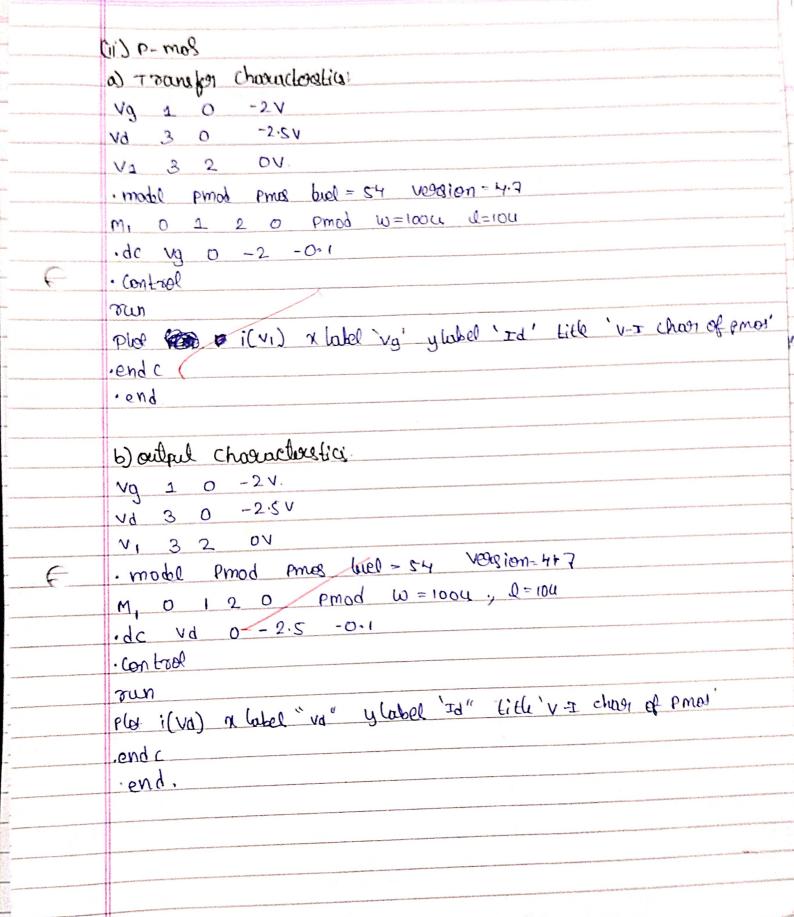


li di	Procedure:
- Allen	
	Direction the nodes of the circuits by numbers and Grive
	"o" to ground.
	2 make notist by nodes. i.e the components between which nodes
-	like resister; capacités ete;
	3 New give the dc Input for gate and check the values of
	Current thorough resistor (81) Dummy voltage
- 6	1 For transfer charactoristics plot the graph botwoon Grate vollage
	and when through begister
	@ For output chrocacteristice plot the graph between Orain vollay
	and about though register.
	(6) For nows select model nond bull= 54, version = 4.7
	(3) For Pros select model prod love = 54; version = 4.7
	(3) At douico selecturio aluano use orther of DG SB respectively
	p= Drain voltage (8) node number
	Gi = Grate noto number
	S = Source note number
	B = Body node number
	For Scilvention mode,
	TOS= 1 Moloy W (Vag - Veh)2
	2 2 1
	por Linear región
	Ibs = µn(ox w) (V69-VHn) VDS - VOC2]
	2
	make wells in only satisfulion mode and linear region
	amuniti mode and theat seady

70.

8	
	cale:- :,
	(i) nmos
	a) Transfer characteretic
	Vq 1 0 2V
	Vd 3 0 2:5V
	V ₁ 3 2 0V
	·model nmod nmos lovel = 54 veggion = 4.7
	m, 2 1 00 nmod w=1004 d=104
	·dc vg 0 2 0-1
_ (· Control
	oun
	Plot 1(vi) or label 'vgs' y label 'Id' title v-I char of NMOS"
	end c
	-end
	6) output characteristics,
	Vg 1 0 2 V
	vd 3 0 gv v, 3 2 ov
	V ₁ 3 2 0 V
	· model n mad nmes buel = 54 version = 4.7
	m, 2100 n mod w=1004, d=104.
	· dc vdd 0 5 0·1
	· Control
	plot i(va) ylabel "Ids" xlabel "vas" title "V-I chan of N moi"
	plot i (va) y label "Ids" Nabel Vas LITE V-I Guer, el
	· end c
	· end



and the same	
	observations: we observed that It we put vos as constant and vos is introduced the warrent graph will be same but intensity is introduced. Vo > Constant cutoff > Salization > tunias. Vo > Constant cutoff > Unis > Salization.
	Result contintion: we have survisfully plotted the VI chronactoration, out-put characteristic and transfer characteristics of n-mes and p-mes divides. A 174/2