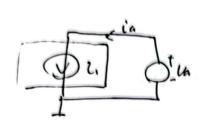
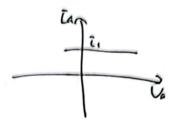


Cas Code Current Source

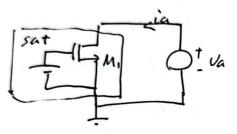
ldeal Current Source

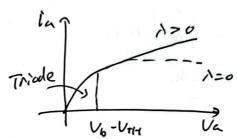




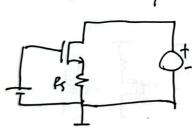
Observation

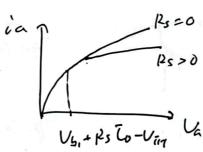
O Let's build a current source





B Hon do we imprave this current source?



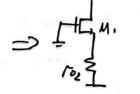


accus Je Rout

かかという、地流的で用でいり、よいといりは、11000mm.

Rant = (Itg mro) Its + No Lithinise Go.L 的不比此性这位图示消息 日常地的红有经历日往这样健 与时意达一个不的金额对王郎的

Cascode Current Source



i. Rout = (1+9m, 10,1) roz +10,1

in gm, ro, roz

the \$3.56.

中国·杭州 HANGZHOU CHINA

Bipolar cascade Current sources.

Rout A = (Hgm, roi) roz +ro, 2 gm, roiroz Rant B = (I+ gmeroz) (a II raz) + roz Eguz Poz (MIllaz) for a given biggeter current. P- Type Current Sources gm. Mas < gm. bip.

PType as ales -15 of one N-Type Cascode
-Ity Ity -Ity

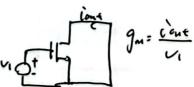
1-Type Biplear Cascade:

Intro. to Cascade Amplifiers

Observations.

O Trasconductance for a General Circuit.

Ves TV.
$$g_m = \frac{J L_0}{J U_{45}}$$
 Small signal Medal





General Linear Gravit

