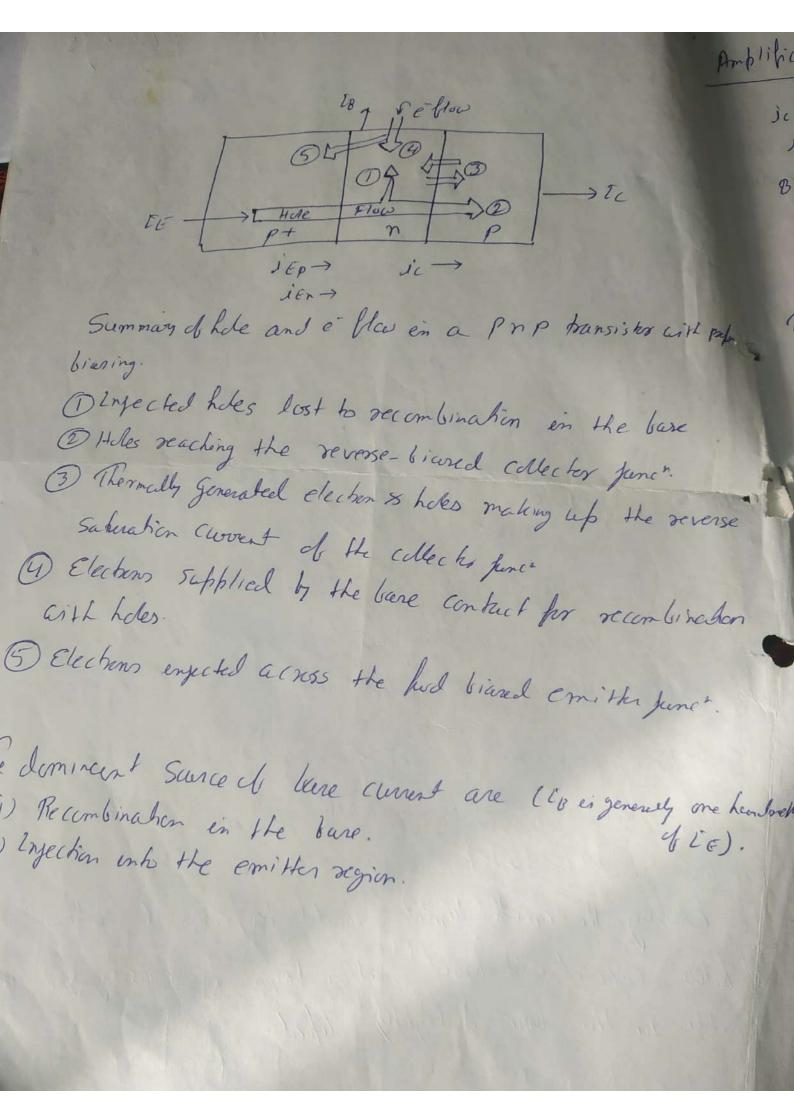
Bipolar Juni Fransish Modele 4/60-7 The reverse current due to holes being sucht from nto P is endependent of size of fiench, E hill hence is endependent of deverse bias. It de current dépends upon how obten minority lides au generated by EHP creation aitheir a desservin length of the june nexupen has fast a perhiular hade swept across the depletion layer of Emitter

Emitter

He injects

Le D

The collected. - The brauerd biased penin that eigents holes into the centern region is called as emister frence whereas the reverse biased fund that collects the enjected holes is the collects fund. - Pt region abiet æris act ær source of enjected holes is enother and Pregin ento which the holes got sucht is called collect - For base should be there also WoLLP - IE cossing the emitter fumen should be composed almost onlin of holes enjected ento base, nother than e crossing her base emster for this ben is lightly deped.



Mad-4/ED-22 Amplification with B575 Je X EEP ic = B TEP B -> Base transfert lacks. Prostundity cont B is sinfly the hackion of injected holes which make it across the bure to the allector. The emitter injection efficiency Y = iEP JEP+IEN Componerest B SY should be near to wanty for a st ellicient durings Here ic = Pricp = BT = 2 (upont bunka funcha mucha mucha mucha mucha) L'indicates Eto C current antilification. Ban careal is = iEn + (1-8) iEp neglechy collector Sahnahèn Cuma. NOW $\frac{jc}{jB} = \frac{Bj\epsilon\rho}{j\epsilon_n + (1-B)j\epsilon_p}$ B[iEp/(iEn+iEp)]

1-B[iEp/(iEn+iEp)] DY = = B B -> Bank Collector Curant comprispicator factor. For a good Dunish X >1 8 B -> 00

Agreen ic = B = To Minority Holes o when the consist time, the arg-encen holes should a Am collector hole o To the Top with any links with the part the wind my the go Can anl A - The could regarded dinner of 1(1)