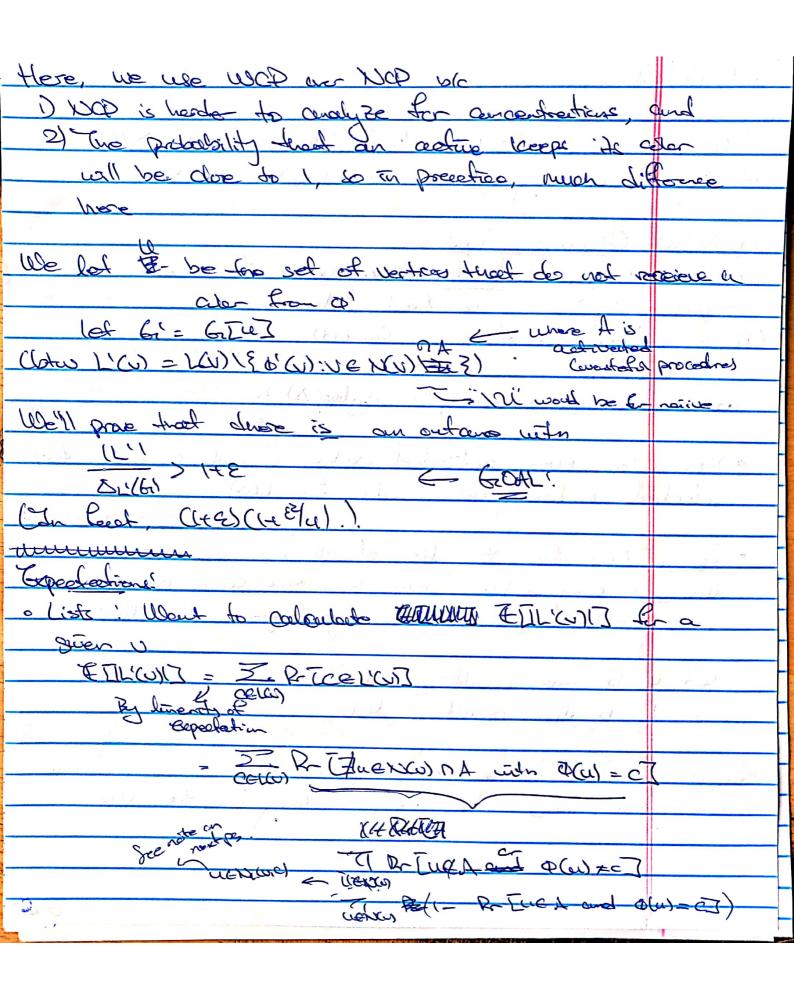
Poset (cart)	
Then, by LLL:	
Since ep(d+1)=e/ (21L1. D(6))	10 2
= 20 ALGI E (
ILL (D)	11 20
Then I a alwing a awarding all Lea, i.e. an	1-colorine
at 6 as also and	A
Obte! We can actually got ord of the "+1" in statement of the Shoren	we.
Statement of the Shoren	
Theorem (Harpell)	
TP (L1 > 28, (G1), duen to how our L-coloring	
	4.7
detacky Edows from the following were general tere	even;
	173
Theorem (Havell)	3.1
let KZI be an integer. It U, Va, Vr is a per	tition of
U(Gr) who independent set has a graph to such that	(, L =
_ 0 Vil ≥ 2	3
o D(G) EE, and	E.
Than I an independent set I of Gr st. Hickory	N≠€.
(coolled an independent strensveral)	
the commence with the first	
- (u)/15 u/u	

How does it imply previous Ann? let 4 be such that 1(H) = { (U, O) : NEV(G), CELLU) ?. ECH) = 8 (U, C)(U, C') " (U) E E(C), C=C' ? Then H Satisfies independent drawsversal theorem by assumption on G. So, by that theorem, 7 am independent drawsversal, i.e. An L-Estavior Referrete! This is light! Cire The ratio of 21. For general independent dangersels. Congestive (Reads, ~ 405) But Bohnen and Holzman disposed this angeotre! Still open if ILIZ & (6) + 2 works! Chas been open about 20 years) merein (Reed - Sudakon, 202) If Il 2 (14 o(1)) Dr(61), then to hey an 1-alarma Bully man madement the published (Vote: Benjocelent ou'. JE30, 74 CL. \$402 Xc, if D(6)-X and 11/2(18)D, the be bes an L-adarra).

Melder Ich and Sudabow praced that he ratio for independent homerous is (1+ o(1)) every votex how at most old reighters in a Proced Read - Sidasbow Note: Uses Rodin Widde Cales Semironden) method. of Horation Constructing a solution a little but at a time · Ou particular, cesas tra "Wastaful Colaring Bradie" to implement are such iteration procedure) Note #2! Uses LL and concendration in equalities to prose that were is a decent arough astone of the was as to auditus Heresting, until the Big Rinish. " Unsuf is our finish? Alon's Thun (or Horrod's) i've our L-ador if ILI > Ded Llbi) in the Man of How will ar iteration step be improving? Progress will be to see seeks, Ill (Sucar. In food, in our proof it will take Some antout, depending on 2, It



But activation is independent of advering. , since that = a only houppers - unito UGY(U, C) A. (6) L by alon regularity 5 Potrevers and certans

To Idia, col = Z Po I well and cellas Z Pr [ca cae A Mu and CELIUI)] = 5 Artuer Pricel'(W) - (1) 01 = C≠¢(U) < R-LAT RICELICOI) (etc) protond shoot 0=469 dies nit mother: SZ (CI-PEL-PL) - Princh ? Princh? Princry? e Potredonis. Ils · (p(i-PrIqwel'w]) tryinght all the doit own and is of