$px: -x^1+ + -x^3$ Now we use mixed volumes, but we have a publican: -X2 The is Charl-dimensional -X1- + -X4 Aside: Relative volume. Sup P c/Rd is a lottine polytope with dim P<d $+-x_{5}=0$ The conerp graph is let S=aff P, affine span. We often prefer to compute volumes relative to the bitale SOZO, so a unit when that bathin has wold (Oilor on many sols) = rel. vol.=lathic length = 2 oilf G is a spanning fee, · for each renkx v there is a unique past to n, rel w1=6·Δ=6. ½ which give the value of Xv. (n-nzero) olf it is not, Nok: some k verties, edges form a cycle If P has Phohost poly Lp (1) = Colot Contant -if they don't involve where n. Cd=relvolP Cdn= = (rel. rush area of P) Relvoi (TTn) = I Relvoi (Disj., -, Dingim) -if they do insole it then = + -> invansited system let's project eine (18:547) to love a dimension. There for Lemma RelVol (Danis - Dunomo) = [V(m)! if (i,ji) - (tim,jim) are (McKelier, McLennan 97/Porting 09) 10 otherwood Thm Pt Relvol (Dissi, - Dinsum) = Vol (Dissi, - Dinsum) proje to Vol(TIn) = # of spanning hear of Kn This is the # of isolated Cx sols to = Nn-2 * Xi+ * Xi = 0 (*Xim+*Xjin=0