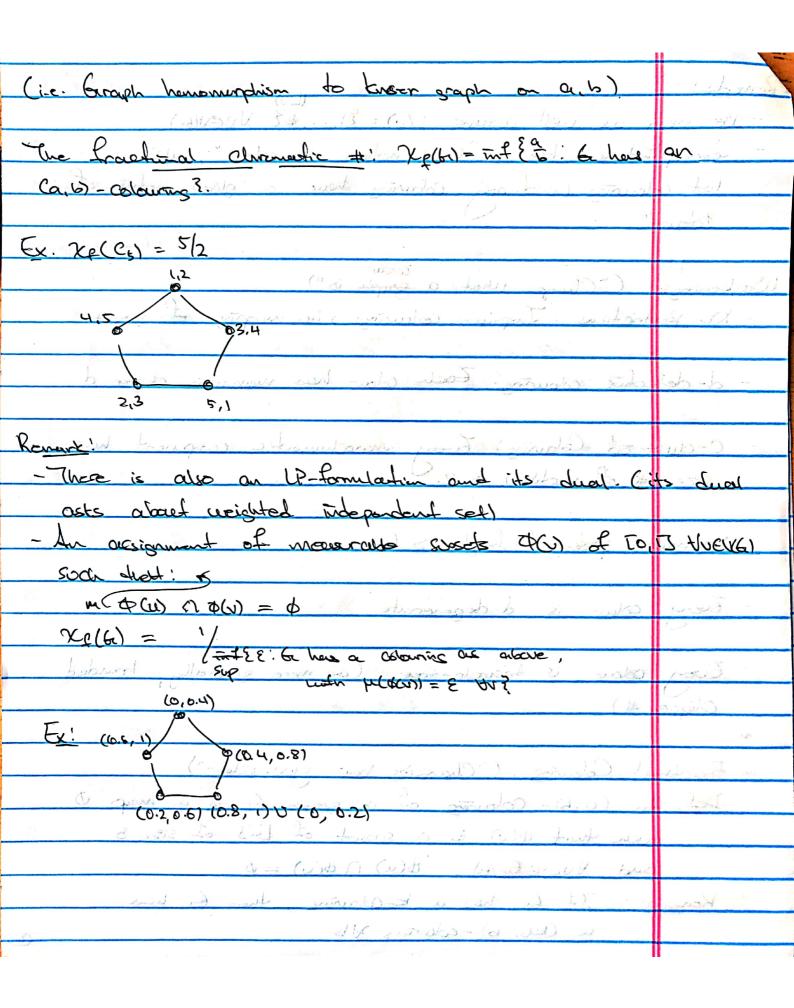


We may as well assure L(v) = E1,.., & & YUEVEN) Comes fondered has a local notion of colour, while Improper colourings, i.e. mappings - d-defeatie abourne: Each abour hers maximum C-clustood Colouring: Evoy monochrometic Every odow is triangle-free Cor were generally Prochujal Colourns: ("Chansing how you adon") n (a, b) - colouring of a arough tren that O(V) is a subset of and towe BE(K), d(u) no(v) = \$ Renewa : If on how a k-colouring, then on a (kb. b) -colorms yb



et's cell the above an f-adaring if $\mu(\phi(v)) = f(v)$ the The Proposition: Xe(b) = K iff to has a (1/x)-colouring Preposition & her an f-adouring iff the vector (FW): VEV(60) is to the independent set polytrese (i.e. 7 proposility distribution on independent sets such chat Privezz= f(W) Combrastiche! - Delative austering X - list Defective V Free Defeative Prac. Edge - List Correspondence x (correspondence is alroudy list). - Fractural List / - Find b-adowing from a-list-assignment. (multicolaring) Xx, (bi) = int { a: I a - list ousign be has a b-ordering? Thomas : Ve(to) = Xp, list(to) - Pradual Concepudance.