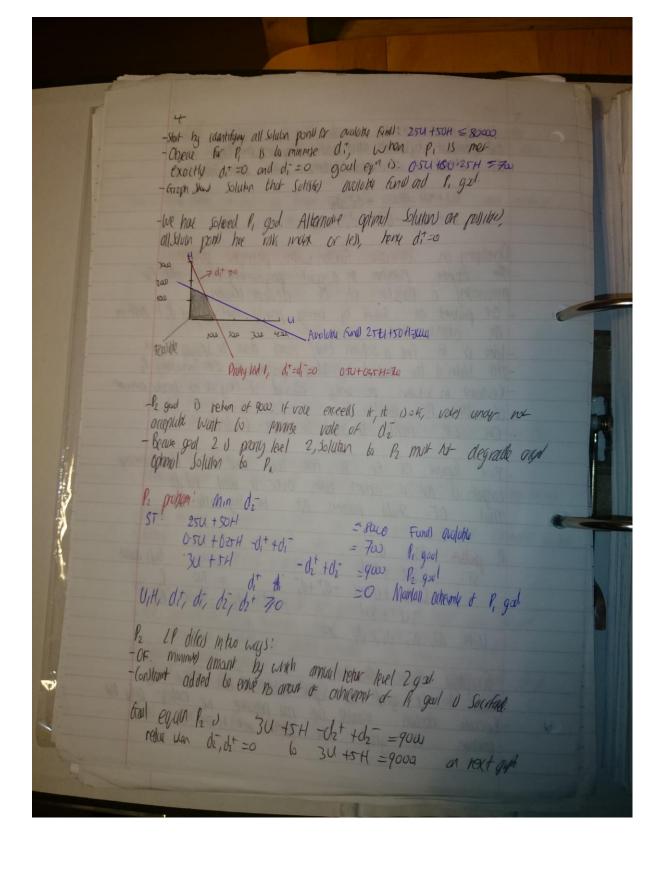
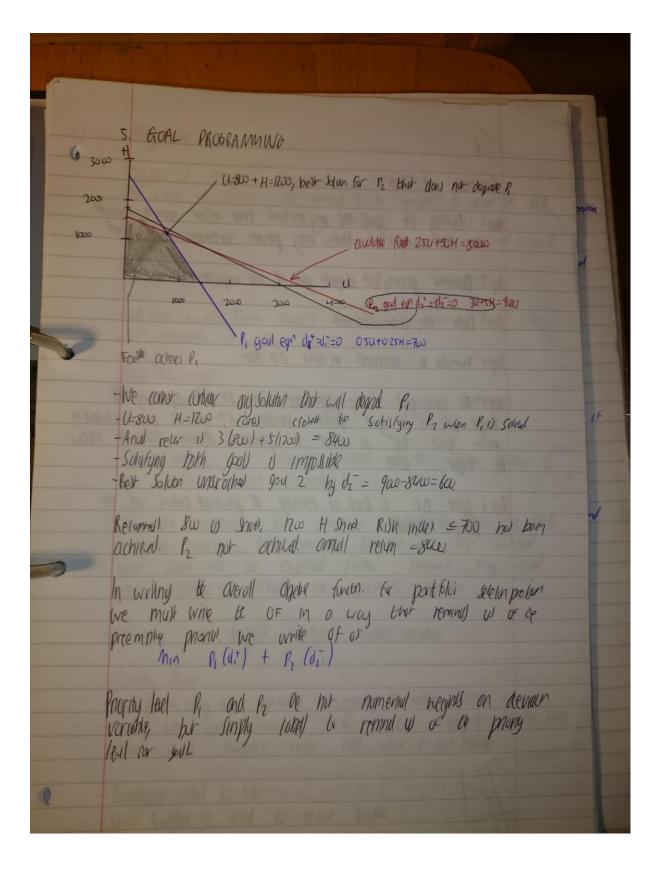
From left had side Inquity: -3/2 <- C5/9 & 3/2 7/5/4 Thu 27/2 7/65 of (3 5 27/2 = 135 For nght had by we have $\frac{-\zeta_1}{q} \leq -\frac{7}{10} \qquad \text{or} \qquad \frac{\zeta_2}{q} = \frac{7}{10}$ Thu) (3 7, 63/6 or (37/63 Combining cakulded limbs we know hope of which provided is with be verye of optimuly or be standed by convibin 6.3 = (3 = 13.5 -Everything elle unchanged, profit for slowled by our range for £63 6 6135 and Solution will remain gotant - Profit contribution will change - For Odux by with G=10 =7 6.67 = C0 = 1424 - In cole of vertical line, we will have one limit and by Other will be as ey 13.5 & (3 < as Right hand side. The Charge in the valle or le gotton solution per unit man In the programment side of the contains a collect the died under Example, and to evan unit to conshart and find new optimal solvion and priv his solving and diknery between del all now good differene : to u ten te dul voll

THE REAL PROPERTY OF THE PARTY	
Multi-contens decision motions, within general framework of LP. Formulation and graphical solution Example view Adults. Client has 80000 to involt and want to invest in two different stocks: stack pressure yearn street insurable insurable share US oil 1/25 1/3 hub paperts 1/50 1/5	portical 2 201
Us all is 127 rew will his is is. Obusody with to minume now object the could byjuy sow of al show = 3200 show a 0.5 = 1600 risk. Or to show and have now of a nisk will vay from 0 to 1600 Client was run index of 700 moximum. One goal of is to find RUM malex what 700	16
- Anolly gal 13 to obtain an anal return of or least gav Particle scholar D mallimbra problem of contact max return The with Mr. of Fal	~
Goal programing will identify a portufile that comes date to achieving both goal Chient must determine which goul is promoted to properly level 1). Promoted goal (Property level 1). Bool 1: Find partofile with him index = 700	
Record goal (Privily the 2) Goal 2: Find portsolo with annual return of ortest goal Primary goal U proprily level 1, secondry U proprily level 2	
	1

Called preemptre privates because decion multi is not cally to sarofte any amount of achiever or the private leads good for any oter priority led RUM miles of 700 is tagget value for provily lad I you and remain a good is tagget value for provily led 2. Developing the constant and Good eg" Dasion various: U= number as al shores H = number hub gropartes Shars 25 U + 50 H ≤ 80000 first available God equen or for risk index. 054 + 0.254 = 700 +d, -d, of mount by which portholio risk exceeds traps of few at amount by which partillo non into v led that to last war or Fax -dit and di known as deviction various - Danun venum also for the possibility of not meeting the tage while execute - two - ranges = 1000, dt = 200 relate risk inche exceed by 30 - Bry denoter venumes to LHI 0.54 + 0.25 H - at +di = 700 The valle on the right hard side of goal agreen a target care regal LHI consist of OA Furtion that defend the amount of goal or mushon would be ordered by 054+075H) goul and the level almost behing the tager vale or e Gal eyn' fo kinday god:

Annual return = 34+5H. de = amain by which anul return is grever trun tayer gow do = ament by which arnol return a law than toget que 3U+5H=900 + dz+dz 345H - 42 + d= = 900 Developing on obsense funtin with preempter privates The objecte function of a goal programmy model all firminimum a function of the devices washer - Ge probable as solved by breity proprity lavel I good (P, 1 First in an objecte kinds. - Idea 1) to find a solution that comes down to stripping P, goal -Tho Solution of the modified by solving a propose with our involving & - Rendrand in Solution are only allowed if they do not hirder owners of the Pr goal - One LD must be solved for each of lead - First firmula OF for Pi, rim leal unur 700. Underanerry target is not a common but over it will not do The OF Stould minimo of to stay under Ze Proposition of the state of the 0.5U + 0.75H - 0.7 + 0.7 = 700 R 3U + 5H - 0.7 + 0.7 = 9000 RU,H, di, di, di, di 70 Graphial Solution Procedure: - Similar to LP graph but separar solution for each P lead. -Because devon voicine are not regard me consider only left portion of graph whe Uzo and H 770.





Summary of Sleps: sept: Identify the goals and any constraint that reflect resource capacity or other restriction that may prevent achieves of the goals. Dep 2: Determine priority level of each goal. If most important etc Step 3 Defire the decom variable Stop4 Formula be contrains in well LP Fabr. Laps For each goal dardop a goal eg " with the RHU specifying to target vale for the goal Devision variable) of; and of are included in the broad of the goal eg to reflect the possible deviction office or believe the tager vote Sep 6. Write O.F. in leas of minimy a grouted amon of the