I oils T months (\$/tonne) cost of oil iEI in month ECT Costit Data hardness of oil iEI Hard; { True, if oil iEI is vegetable { False, if not. IsVegi cost of storage (\$/tonne/month) StoreCost max storage (tennes) for each oil. Store Max initial amount in storage of each oil. Initial max and min hardness of blend. Max H, Min H max processing (tonnes) of veg oil MaxVeg Maxe - non-veg oil Max Norres sell price (\$/tonne) of blend. Sell Variables amount of oil it to process (tonnes) Hit in month tet Sit amount of oil it in storage at end of month teT. amount of oil ieI purchased in month teT Max Profit = Revenue - Costs = E E Sell x Zit - (S & Store Cost x Sit + & & Costit Yit)
ieI tet ieI tet Constraints

Y'CE I Sio = Initial - 2160 + yio VieI, teT, Sit = Si(1-1) - Xit + Yit st 6>0 { (Hardi - MinH) xit ? 0 Yt ET YEET { (Hardi - MaxH) Zit ≤ 0 H EET ∑ 2'it ≤ Max Veg E stit & Max Nonvey not IsVegi Sit & StoreMax Fift, tet

Rit, Dit, Bit 30 HieI, teT