

aty in beginning of months the symphus = sp! June: 581: 3 (2110 + 221) + (211 +221-400) 2 TSRI= AMO. aty. for refinitions SPI= Surplus at end of morths = x11+x21-400 1. SR1 = x11+x21-200 Atrace (200 302 1. 15 (302) July: SR2: ->) (SPI +212+222) + (SPI+0C12+0C22-500) AMENT PLAT 1201 1. SR2 = (SP1) + 212+1222 - 250 : SR2= (311 +x21 -400) + x12+x22-250 E strong crossor of \$ ( + 100) priture is beg Flug.: SR3: ->> (SP2+x18+x23)+(SP2+x13+x23-300) one 301 siriant boron 10 11 SR3= (SP2)+ 0=13+2230-150 John 1 = (SP1+ x12+022-500)+ x13+2(23-150 = (x11+221-400)+x12+222-500)+213+223-100 SR3 = 0011 + 021 + 022 + 022 + 013 + 023 - 1050 C Putting values brom eq 1 8, 6 and @ into eq 1: 1, we get, :. Objective min 100 a11 + 115 x21 + 10 (x11+221-200)

fun 2 + 100 42 + 108 x27 + 10 (x11+221-400) + 212+22-250) 1 120 × 13+ 125 × 2+ 10 (x11+x21+x12+x12+x13+x23-100)  $\frac{1.30 \times 11 + 135 \times 21 + 120 \times 12 + 128 \times 22}{2}$ 1 000 - 50 + 12 + 130 x 13 + 135 x 23 - 190000 and injerting values of SPI, IP2 in early, we get, ELECATE 1 000 PC 11 + 2/21 20/400 CAT MADE OF OF 500808(11 +2(212+ 2(12+222 >) 900 1+10 ck 3201-8411 + Derict - DC12+ 222+ 213+223 > 1200 0 < xij < 450, \in =1,2, \in =1,2,3. to broad 22 months of 18.82 broom colle