

Same Problem as 2, now assume DIFF. Il use of a Cont. Variable ofthe procesure. Solving as a continuous pronen: X= (1.4545, 5.3636) found from morphs. f = -82.7 Now bleak it into X &1 or X, 22 for  $\chi \leq 1 \rightarrow \chi$ ,  $\in [0, 1]$  for  $\chi$ ,  $\geq 2 \times 1 \in [2, \infty]$ x = (2,4) X+= (1,6.15) f = -81.5 X2 27 ..... har c- : X2 6 x = (1,6) no print Satisfies Constraints Note: each Step has Solver in Matlab Using int lingrag (.).

		9
		6
		3
4.	initial run	-
	X=[2.23,1.951, 1, 4.35, -0.63, 1.01, 1.61]	
	f=682 g,=0 g2=-245 g3=-147 g4=0.	-
	N V Z	
	= X, 42 / X, >3	-
	f=681.37 all constraints met	-
	Page	-
	/x2 41, x, =2 /x, ≥2, x =2	
	X=[22,1,0.3,5,42,0.5,0.9,1.6] & X=[2,2,-1.3,4.3,-0.6,1.07,1.5]	-
	f=745 note x3=-0,3 f=681.54.	
	702	3
	Stoppes beause This produced X, TO be negative	4
	M / saks	(
	\$\frac{1}{2} \tag{2} \tag{1.96} \tag{-0.1, 4, -0.63, 0.31; 7.16}	( 4
	f = 694	-
		- (
	X = [2.17,1,-0.3, Eu, 0.82,0.96,1.67] X2 >2	-
	t2 194	-
221		
684	ensure integer Sourious for X, X2 X3	
680	Solution Fund in matlub	
	$\chi = [2, 2, 2, 4.24, -0.63, 0.8]$ $f = 688.47$	
	f=688.47.	
	Solution forme using mutters of TO get estimate The Manging # TO integers TO See Which Complete The	
-	Uhinging # TO Thingurs TO See Which Combliation is The	_
	Lowest, Lowest, 15 The	
William		