	1.1610.04.00
Q.	Food a contains 6 units of urtamin A and 7 units of Urtamin
	B her gram. Food y contain 8 units / gram of Votamin A
	and 12 mits I gram of again B. The cost of food &
	12 k/gram and the cost of food y is 20 k/gram. The daily requirements of literain A and Vitamin B are
	daily reguliements of literain A and Vitamin B are
	at least 100 winds and 120 winds respectively.
	at least 100 wirds and 120 with respectively. Formulate the ellipse as an LPP to minimize cost.
	het n, and no be the unit, (grams) of food a and y
	produced.
	a catherina a consideration of
1.10	x= 12 9, + 20 92] objective fune"-
	: 69, +892 > 100 7 contraints on amount of vitamin A and B
	79, +1292 > 120
	non-negativity trembraint
	$\eta_1, \eta_2 > 0$
	Comment of the second of the s
#	Generalized representation of an LPP
	In general, an LPP is represented in the following ivery:
	and the same of th
	optimize $E = c_1 a_1 + c_2 a_2 + \dots + c_n a_n = E_1, c_i \cdot a_i$
1	Man the island
4.7	objective = $(c_1 c_2 \cdots c_n) \begin{vmatrix} x_1 \\ x_2 \end{vmatrix}$
	Junit (?)
x 10.0%	$\frac{1}{2}$
	= CX
, , , , , , , , , , , , , , , , , , ,	
	rectors
	C: price parameters
	X: decision variables
	The same of the sa
	The objective June 2 is a linear June 2 of decision variables.
	And Hilliam James is a consider of account of

	Classmate
	Date Page
	A
	The desire the country of the country of the
	The share of possible solutions is comited by the constraints
	The state of the s
,	9,94 + + gnan >/< b.
	The second secon
	e continue to the second second continue to the second sec
	tis day in a discount of the state of the st
1	ana, + + annan >/ 5 m
	$A \times > / \leq b_{m \times 1}$
	A: coefficient matria
	b: company (a column vector), requirement havanne
	b: conficient matrix b: confaints (a column vector), requirement havening a;; activity farameters
	The wefficients ai are called activity harameters.
	The m courtraints are linear functor of decision
	variables
	b = $\begin{pmatrix} b_1 \\ b_2 \end{pmatrix}$ requirement
	ьм
	In addition, X > 0 is a requirement based
	on the situation.
	Compact way
	$\int \frac{map}{min} z = cx$
	s.t (mbjert to compraints)
	AX 5/2, 5
	X > 0
	to I set of values of the decision variables as, a, an
	which sodisfy the set of constluints and non-regative
	with the collect of learning was beganing
	restriction is called a feasible solution. Swhite the objective fure 2 is called an ophimized to 12.
	The the of classes and mute the
	syetting five is caused an opposized soil.

