FOR \$=1 HE 687

AND THE VESTARS THAT ARE SENDENG THIS MATRIX TO ITS HOLL SPACE ARE

(6)

THE SUM ACCOMOTIVE TO THE TORKE:

$$0 = \varepsilon / + 5/ + 1/$$

$$\chi^3 = (1'1'1)$$

$$\sqrt{\beta} = -5$$

(1b) The column SPACE MAR ALL THE VECTOR(2,1,3)

THE LEVE GRAWHEN THE VECTOR(2,1,3)

THE STAVOS TO ZI ZIZAB SHT, TO TART ZI

UNCETOR (2,1,3).

THE HOLL SPACE IS THE PLANE:

O = SE + D + XS : 24055V OWT ZM ZMT HOT ZYZMA A

(10) Since this is a prosection. Maray then

Citien X That's On the solumn space, it

PROSECTS 'to a it sols.

MITCH MEMIS PX=XX=1X

OND X=1.

The TAKE HEAR IS I VITCH SEAMS

Xxx/3=0

CINCH THAT THE WHITH IS STUCKED

WE EET THAT AS: 13=0 0=8/=5/ 02 THE EIGH NEZEU 1223 AUTS 3/17

AX=b (50)

SINCE A IS THIEN TO THEN WE CAN WASTE

X=1,P

B TAPT ASOLVORD O PROVIDER ZI ASPARS SHT

IS IN THE KOLUMN SPICE OF A.

THE YESTORS THAT ARE PERPENDICULAR

TO THE EARLY SAR PROPRIES ALL THE

VEXTORE IN THE COLUMN SPACE

d=XA finz sh (ds)

AP=A WOY TUB

 $d = \chi MQ$

MX=PIP

d To = XA

J-1016

: 4 A OF ZA CHA

= 47 = 0 POLIOLP = XY=&

AND THOSED EVEND & THAT ORDING THE GOVERNO SECTS TO

(SS) IK H IS A SAS WOLLEX WHORE COSOMIZ HE IND SHOW SHE THEN WE TANT SIMPLY SOLVE $d = \chi A$ MULTERGIN BG BAT GIKS $d^T A = \chi A^T A$ The Arange (545 2) \$ 1 = 4 TA TENTINGO 2, 1 I $b = 4x = [d^{1}d^{2}][d^{2}p] = [d^{1}p]d^{1} + (d^{2}p)d^{2}$ The MC LUK WEZ LOW DEWOAZLULTON 0 -1 -1 -1

-1 0 -1 -1 -1

1-1-0-1-1

-1 -1 -1 0 -1

-1-1-10

SUM ALLBUT LAST AND ADD TO LAST:

0 -1 -1 -1 -1

-1 -1 0 -1-1

-4 -4 -4 -4 -4

glot (4")= (11) · 1 = 1 - 1

X= 8-16 X, = det B,

det A

BALTUST LOCAWHINE
MYCHE BY IZ & BOL MILL EXWIL LOCAWH WERRED

HOMENON IN THE CAZE OF B = I (MIKEN LOW) IN C. LO

KIND THE IMENTED WEBET

X1 = det (8 det A')

WEDE 4, COLUMNO SOND SLY ZINDLING

MILL INDEX S.

50 IN OUR CAJE WE XIDW THET DOPPAY = -3

det (A3)= -5

50 THE FERST ELEMENT (1,1) OF # A, -1 = = det (A2) = -2 = 2 det (AU) -3 = 2