(5,7,-3,8) = a(1,-1,0,0) + b(0,0,1,-2) + c(-2,3,-2,4) + d(1,0,0,0) L> Essa equivalência pere ocorrer para que pertencia. * Desenvolven po o sistema:

$$\begin{array}{lll}
\exists \begin{pmatrix}
a-2c+d=5 & 08 \text{ I, Tem05:} & 08 \text{ II, Tem05.} \\
-0.43c=-7 & 0.43c=-7 & 0.43c=-7 \\
b-3c=-3 & -0.43c=-7 & 0.43c=-7 \\
-2b+4c=6 & 0.43c=-2 & 0.41
\\
-2b+4c=6 & 0.43c=-2 & 0.41
\\
-2c=-d-2
\end{array}$$

O sistema tem soucco, portanto a oritmativa é voltabolita

b) (3,5,0,8) = a(1,-1,0,0) + b(0,0,1,-2)+ ((-2,3,-2,4)+ d(1,0,0,0)

$$\begin{cases} Q-2C+d=3 & b=22C \Rightarrow \\ -Q+3C=5 & => -2(2C)+4C=8 \\ b=2C=0 & => -2(2C)+4C=8 \end{cases}$$
 perience //

c)
$$\begin{pmatrix} a-2c+d=0 & b=2c \\ -a+3c=0 & 0=3c \end{pmatrix}$$
 substitutings of sisterna & L.D., Rois existent outeas sources alem to trivial. $\begin{pmatrix} b-2c=0 & 3c-2c+d=0 \\ -2b+4c=0 & 3c-2c+d=0 \end{pmatrix}$

D) FORE TOO & ESCO TO NOTHINTO, TEMOS:

matriz Final

Kailane EDUADOA FELIX DA SILVA 125.769.454-57 KEFS®CIN.UFPE (3) $(1.0.0) = \alpha(1.1.1) + b(-111.0) + c(1101-1)$ $\begin{cases} a - b + c = 1 & -b = \alpha & portanto = > \\ a + b = 0 & => & a = c & -b - b - b = 1 \\ a - c = 0 & emaio a e c = & b = -\frac{1}{3} e \\ -b = -\frac{1}{3} e \end{cases}$ $\begin{cases} \log 0, \text{ Temos que as coordenabas} \qquad 0 = c = \frac{1}{3} \\ \log 0, \text{ Temos que as coordenabas} \qquad 0 = c = \frac{1}{3} \end{cases}$