Define T: R-R by T(x, y, z) = (y, z, x+z, x-y)
Assume that I is a linear Transformation

While down the modern sepressentedion of of Twith septect to standard basis in domain and codonnain.

Solution:

Standard basis

e=(1.0.0).e==(0.1.0).e==(0.0.1)

(t-x=x+x=x+t) = (xt-x)

T(e1) = (1,0,0) = (0,1,1) = (0,0,0)+1(0,0,0)+1(0,0,0)

T(e2)=(0,1,0)=(1,0,-1)=1(1,0,0)+06110A(1)(0,0)

T(es) = (0.0.1)=(1.1.0)=10.00)+16.00+06.00)

The matrix Reprosemblem of Tie

Lineas R3 -> R3