(1)
$$T(e_1+e_2)=\begin{cases} 1\\ 2\\ 3 \end{cases}$$
 $T(e_1-e_2)=\begin{cases} 1\\ 8\\ 4 \end{cases}$ $f=\begin{cases} 1\\ 5\\ -3 \end{cases}$ $f=\begin{cases} 1\\ 1\\ 2\\ 3 \end{cases}$ $f=\begin{cases} 1\\ 1\\ 3 \end{cases}$

Aa, Aaz ... Aam _ 3 a, az . - am = 2 [e1 ez ... em]



Aa, -3a,=2e, => Sa, az, ... an 1 - linearly independent => invertible

e+8=3

a+6=1 a-6=7 a=4 b=-3





