Cemunap 27, 16.04.24 - Geneguel [1190] f = 2x, +9x2 + 3x3 + 8x, x2 - 4x, x3 - 10x2 x3 =  $= 2(x^{2} + 2x(2x_{2} - x_{3})) + 9x_{2}^{2} + 3x_{3}^{2} - 10x_{2}x_{3} =$  $=2(x_1^2+2(2x_1-x_3)+(2x_1-x_3)^2)+x_2^2+x_3^2-2x_2x_3=$  $= 2(x_1 + 2x_2 - x_3) + (x_2 - x_3) = 2t_1^2 + t_2^2$  $\begin{pmatrix}
2 & 0 & 0 \\
0 & 1 & 0 \\
0 & 0 & 0
\end{pmatrix}$   $\begin{cases}
t_1 = X_1 + 2X_2 - X_3 \\
t_2 = +X_2 - X_3 \\
t_3 = X_2
\end{cases}$ 9 = (2y2 + 3y2 + 6y3 - 4y142 - 4y143 + 84241 = 2(y2-24,(42+4,)+(42+4,))+42+443+4413= t, = t, = y, - y2 - y3  $t'_2 = t_2 = y_3 + 2y_3$   $t'_3 = t_3 = y_2$ 

Merog 
$$\frac{1}{8}$$
 (b<sub>1</sub>)  $\frac{1}{8}$  (b<sub>1</sub>)  $\frac{1}{8}$  (b<sub>1</sub>)  $\frac{1}{8}$  (c)  $\frac{1}{8}$  (d)  $\frac{1}{8}$  (e)  $\frac{1}{8}$  (e)  $\frac{1}{8}$  (f)  $\frac{1}{8}$  (f)  $\frac{1}{8}$  (g)  $\frac{1}{8}$  (g)