9941040

اشكان شكيا

$$a=r, b=0 \Rightarrow f(x,y,z)=x+ry+z$$

(1

$$9(x,y,z) = x-y+z-1=0$$
,  $9(x,y,z) = x'+y'-1=0$ 

$$\nabla f = \lambda \nabla g_1 + \mu \nabla g_2 \Rightarrow (1, r, 1) = \lambda(1, -1, 1) + \mu(r_x, r_y, \circ)$$

$$\Rightarrow 1 = \lambda + \Gamma \mu \chi, \Gamma = -\lambda + \Gamma \mu \chi, 1 = \lambda^{\text{III}}$$

$$\boxed{D_9 \square \Rightarrow \Gamma_{\mu x = 0}} \xrightarrow{\mu + 0} \chi = 0, y = 0$$

$$\boxed{D_9 \square \Rightarrow \Gamma_{\mu y = 0}} \xrightarrow{\mu + 0} \chi = 0, y = 0$$

$$\mathcal{H}_{\mu} = 1 \Rightarrow \mathcal{H}_{\mu} = 1 \Rightarrow \mu = \frac{1}{2}$$

$$A=Q \Rightarrow y=1$$
,  $x-y+z=1 \Rightarrow z=1$