4

$$\frac{1}{1} + \frac{1}{1} + \frac{1}{1} = \frac{1}{2} = \frac{1}$$

$$\nabla T(x,y) = \begin{bmatrix} \frac{\partial}{\partial x} T \lambda x, y \end{pmatrix} = \begin{bmatrix} x - 3y - 4 \\ \frac{\partial}{\partial x} T \lambda x, y \end{bmatrix} = \begin{bmatrix} x - 3y - 4 \\ -\frac{\partial}{\partial x} X + y + 4 \end{bmatrix} = Ax + d = \begin{bmatrix} 1 & -3 \\ -3 & 1 \end{bmatrix} d = \begin{bmatrix} -4 \\ 4 \end{bmatrix}$$

: 2170 1240 : (-1.1) is a saddle point

