18K41005F4

4)
$$\Delta x = -u \frac{\partial f}{\partial x} = -(0.1) \times 2 = -0.2$$

 $\Delta y = -u \frac{\partial f}{\partial y} = -(0.1) \times (-2) = 0.2$

8)
$$\Delta x = -\eta \frac{\partial f}{\partial n} = -(0.1)(1.6) = -0.16$$
 $\Delta y = -\eta \frac{\partial f}{\partial y} = -(0.1) \times (-1.6) = 0.16$
9) $x = x + Dx = 0.8 - 0.16 = 0.64$
 $y = y + \Delta y = -0.8 + 0.16 = -0.64$
10) $t = 9 + 1 = 2 + 1 = 3 > e pochs$
goto next stp

11) $f(x,y) = (0.16)^2 + (-0.16)^2 + 10$
 $f(x,y) = (0.16)^2 + (-0.16)^2 + 10$
 $f(x,y) = (0.16)^2 + (-0.16)^2 + 10$

016bal value = 10.0512