-> Find the global minimum point & value for the function if the office of 1910.

$$5f(y-2): \frac{\partial f}{\partial x} = 2x + 0$$
 $\frac{\partial f}{\partial y} = 2y$
 $\frac{\partial f}{\partial y} = 2(1) = 2$ $\frac{\partial f}{\partial y} = 2(1) = 2$

Step-3:
$$\Delta n = -\eta \frac{\partial f}{\partial n}$$
 $\Delta y = -\eta \frac{\partial f}{\partial y}$
= $-(0.01)(2)$ = $-(0.01)(2)$
 $\Delta n = -0.02$ $\Delta y = -0.02$

Sfcp-4;
$$n = n + \Delta n$$
 $y = y + \Delta y$
= $1 + (-0.02)$ $= 1 + (-0.02)$
 $n = 0.98$ $y = 0.98$

Step-2:
$$\frac{\partial f}{\partial x} = 2(0.98) = 1.96$$

 $\frac{\partial f}{\partial y} = 2(0.98) = 1.96$

Step-3:
$$\Delta M = -M \frac{df}{dN}$$

$$= -(0.01)(1.96)$$

$$\Delta y = -M \frac{df}{dN}$$

$$= -(0.01)(1.96)$$

$$\Delta y = -0.0196$$

$$\Delta y = -0.0196$$

Step-4:
$$21 = 21 + 22$$

= 0.98+(-0.0196)
 $21 = 0.9604$

$$y = y + 6y$$

= 0.98+(-0.0196)
 $y = 0.9604$