what is the type of equation ?

Are you able to see M and N clewit.

$$\frac{\partial N}{\partial y} = \frac{\partial N}{\partial x}$$

exact equation.

$$*\frac{\partial F}{\partial x} = M$$

$$\frac{\partial F}{\partial Y} = N$$
. — ①

\* educite en DE D

$$p(y) = \frac{g(y)}{1}$$

\* put per inf

\* solution.

$$No. \stackrel{\text{or}}{=} \stackrel{\partial M}{\partial I} + \stackrel{\partial N}{\partial X}$$

Intigniting Factor Method.

Linear.

3) Multiply I.F. to the councilor.

- 5) Make y as a subject
- 6) solution.

1) 
$$\frac{\partial M}{\partial y} - \frac{\partial N}{\partial x} = \frac{9}{3}$$

2) cases 
$$\sqrt{\frac{\partial M}{\partial y}} = f(x)$$
?  
 $\Rightarrow J.F. = e^{\int f(x) dx}$ 

3) MUITTPIN I.F. to

$$4) \frac{\partial F}{\partial x} = M.$$

$$\frac{\partial F}{\partial x} = N - 0$$

\* IS it

y + p(x)y = Q(x) yn

Bernoulli's equation.