```
Resulve La ecoación: (1+ sen ly) ldx = [2y cos cy) - x (secy + lang) dy
    (1+senly))dx+ tox cooly)+x (secy + tonly)]] dy =0 210)=1
     on = cos(y) on =+sec(y) + ton(y): we exacted
 a(y) = SM (ox - ox)dy
        = S 1 + sec(y) + bon(y) - cos(y)) dy
     = \int \frac{|+\sec(y)+\tan(y)-\cos(y)|}{2} dy
= \int \frac{1}{(\cos(y))} + \frac{\sin(y)}{\cos(y)} - \cos(y) dy
= \int \frac{1}{(\cos(y))} + \frac{1}{(\cos(y))} + \frac{1}{(\cos(y))} dy
     \int \frac{1}{\cos(y)} \, dy - \int \frac{\cos(y)}{1 + \sin(y)} \, dy = 1 + \sin(y) \, dy
= en (secy) + tony) - In(1 +sen(y))
 = en ( scely) + fan(y)
= etn ( sects) + tun(x))
                                                          11 son(z) = 2 (y) = ( costy)
\chi(y) = \frac{5cc(y) + ton(y)}{1 + 5cn(y)} = \chi(y) =
                                             Scribe
```

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acy [M(xy) dx + N(xy)dy]=0
   Losy) (17+ sing) dx + [2 ycos(y) -x (secy + tony)] dy) = 0
    \frac{9+\sin(y)(x-2y\cos(y))-x(s\cos(y+\tan y))}{\cos(y)}dy=0
\frac{dM}{dM} = \frac{\cos(4)(\cos(4) + (1+\sin(4))(\sin(4))}{\cos^2(4)} = \frac{\cos^2(4) + \sin^2(4) + \sin(4)}{\cos^2(4)}
                              (025(A)
\frac{\partial N}{\partial x} = \frac{\sec y}{\cos y} + \frac{\tan y}{\cos y} = \frac{1 + \sin (y)}{\cos (y)} = \frac{1 + \sin (y)}{\cos^2(y)} = \frac{\cos^2(y)}{7}
 F(x_{1}y) = C \Rightarrow dF = E^{\circ} \Rightarrow dEdx + dFdy = 0
dF = M \Rightarrow \int dF = \int Mdx
dx
  = } (7 + son(y) ) dx + h(y)
  F = x \left( \frac{1 + sin(y)}{\cos(y)} + h(y) \dots A \right)
\frac{dF}{dy} = X\left(\frac{\cos(y)(\cos(y) + (1+\sin(y)(\sin(y)))}{\cos^2(y)}\right)
\frac{dF}{dy} = X\left(\frac{\cos^2(y) + \sin^2(y)}{\cos^2(y)}\right) + \sin(y) = X\left(\frac{1+\sin(y)}{\cos^2(y)}\right) + h'(y)
  -2y + x (secy + tuny) = x (7+sin(y)) + h'(y)
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