

```

[> restart
[> Ecuacion := 2·y(x)·(diff(y(x), x) + 2) - x·diff(y(x), x)·2 = 0
      Ecuacion := 2 y(x) (  $\frac{d}{dx} y(x) + 2$  ) - x (  $\frac{d}{dx} y(x)$  )2 = 0 (1)
[> Solucion := dsolve(Ecuacion) :
[> SolucionGeneral := subs(  $-C1 = \frac{C1}{2}$ , simplify(Solucion3) )
      SolucionGeneral := y(x) =  $\frac{(-x + C1)^2}{C1}$  (2)
[> SolucionSingular := Solucion1
      SolucionSingular := y(x) = 0 (3)
[> SolucionSingularDos := Solucion2
      SolucionSingularDos := y(x) = -4 x (4)
[>

```