```
> restart
> SolGral := y(x)^2·(1 - y(x)) = (x - _C1)^2
```

$$SolGral := y(x)^2\,(1-y(x)) = (x-\_C1)^2 \tag{1}$$

```
> DerSolGral := diff(SolGral, x)
```

$$DerSolGral := 2\,y(x)\,(1-y(x))\left(\frac{d}{dx}y(x)\right) - y(x)^2\left(\frac{d}{dx}y(x)\right) = 2\,x - 2\,\_C1 \tag{2}$$

```
> Para := isolate(DerSolGral, _C1)
```

$$Para := \_C1 = -y(x)\,(1-y(x))\left(\frac{d}{dx}y(x)\right) + \frac{1}{2}\,y(x)^2\left(\frac{d}{dx}y(x)\right) + x \tag{3}$$

```
> SolGral
```

$$y(x)^2\,(1-y(x)) = (x-\_C1)^2 \tag{4}$$

```
> EcuaDif := subs(_C1 = rhs(Para), SolGral)
```

$$EcuaDif := y(x)^2\,(1-y(x)) = \left(y(x)\,(1-y(x))\left(\frac{d}{dx}y(x)\right) - \frac{1}{2}\,y(x)^2\left(\frac{d}{dx}y(x)\right)\right)^2 \tag{5}$$

```
> DerDerSolGral := isolate(DerSolGral, diff(y(x), x))
```

$$DerDerSolGral := \frac{d}{dx}y(x) = \frac{2\,x - 2\,\_C1}{2\,y(x)\,(1-y(x)) - y(x)^2} \tag{6}$$

```
> Comprobar := simplify(subs(diff(y(x), x) = rhs(DerDerSolGral), EcuaDif))
```

$$Comprobar := -y(x)^2\,(-1+y(x)) = (-x+\_C1)^2 \tag{7}$$

```
>
```