

```

[> restart
[> Sistema := diff(x(t), t) = 2·x(t) + 3·y(t), diff(y(t), t) = x(t) + 4·y(t) : Sistema1; Sistema2
      
$$\frac{d}{dt} x(t) = 2 x(t) + 3 y(t)$$

      
$$\frac{d}{dt} y(t) = x(t) + 4 y(t)$$

      (1)
[> Solucion := dsolve( {Sistema} ) : Solucion1; Solucion2
      
$$x(t) = \_C1 e^{5t} + \_C2 e^t$$

      
$$y(t) = \_C1 e^{5t} - \frac{1}{3} \_C2 e^t$$

      (2)
[>
[>
[>
[>

```