

8. 
$$\int_a^x e^{\lambda(x-t)}y(t)\,dt=f(x), \qquad f(a)=0.$$

Solution:  $y(x) = f'_x(x) - \lambda f(x)$ .

## Reference

Polyanin, A. D. and Manzhirov, A. V., Handbook of Integral Equations, CRC Press, Boca Raton, 1998.

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