

9. 
$$\int_a^x e^{\lambda x + \beta t} y(t) dt = f(x), \qquad f(a) = 0.$$

Solution: 
$$y(x) = e^{-(\lambda + \beta)x} [f'_x(x) - \lambda f(x)].$$

## Reference

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

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