Solutions to *The Art of Electronics 3rd Edition*

December 26, 2023

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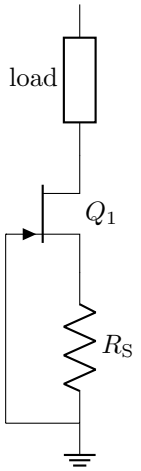
Solutions for Chapter 3

Exercise 3.1

Figure 1.1: JFET current source



From Figure 3.21 of the book, one can see that a drain current equal to 1 mA corresponds to a gate-source voltage of $-0.6\,\mathrm{V}$. Therefore:

$$\boxed{R_S = \frac{0.6\,\mathrm{V}}{1\,\mathrm{mA}} = 600\,\Omega}$$

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