Rosen, Discrete Mathematics and Its Applications, 7th edition
Extra Examples
Section 12.3—Logic Gates

Extra
Examples — *Page references correspond to locations of Extra Examples icons in the textbook.*

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p.825, icon at Example 2
#1. Design a circuit that takes three inputs x, y, and z and produces a value 1 if and only if the input for x is 1 and exactly one of the inputs for y and z is 1.

Solution: