

This project asks you to create a circuit to compare binary numbers.

Construct a circuit that compares the three-bit integers  $(x_2x_1x_0)_2$  and  $(y_2y_1y_0)_2$ , returning an output of 1 when the first of these numbers is larger and an output of 0 otherwise. Hint: You might want to look at #13 in section 11.3, which asks the same question but for two-bit integers.