Use the inputs of the 3 to 8 decoder (non-inverting outputs) as the address for ROM for a lookup table (LUT) implementation of the following functions.

Indicate which digits in the ROM should be stored as "1" by drawing an "×" at the appropriate intersecting lines in the figure below. Your figure should specify the programming for the ROM similar to how it is shown on slide 6 of the February 20 lecture or in Figure 9-27 in the textbook.

$$L_2(A,B,C) = AB'C + A'BC'$$
$$L_1(A,B,C) = AC + BC$$
$$L_0(A,B,C) = C'$$

$$R_2(A,B,C) = AB + B'C' + A'C$$
$$R_1(A,B,C) = B + A'C$$
$$R_0(A,B,C) = AC' + BC'$$