

EEE 3131 Digital Electronics
ASSIGNMENT 4: Due Date: Friday, 29th January, 2016

[Problem 1]

Design an active-LOW output BCD (1-of-10) decoder and construct its truth table.

[Problem 2]

Sketch the output waveforms ($\bar{0}$ to $\bar{7}$) given the inputs shown in Figure Prob. 2(b) to the 74138 IC of Figure Prob. 2(a).

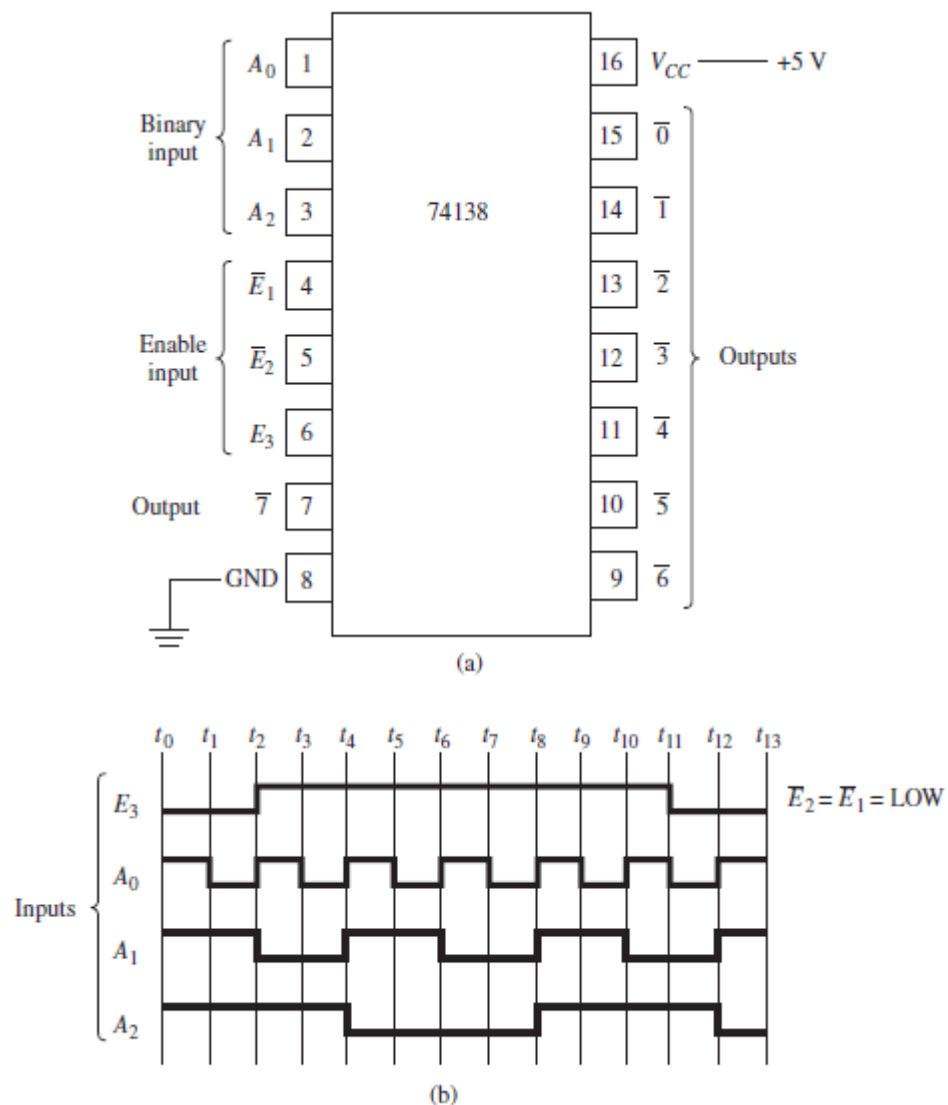


Figure Prob. 2