Writing Assignment 1 - Math 381 A - Dr. Matthew Conroy

Consider the salsa-and-guacamole scenario from this week's lecture.

Suppose we sell guacamole for \$1 per unit, and salsa for \$ z per unit.

Depending on the value of z, we would maximize revenue by making all salsa, all guacamole, or some of each.

Describe the range of z values corresponding to each type of solution, and give plenty of justification. (Be sure to carefully consider the boundary cases! Software (e.g., lpsolve) should not be used for this problem.)

The critical part is the explanation of how you know the maximum is attained where you claim it is: pay very close attention to this aspect as you write your justifications.