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

Consider the salsa-and-guacamole scenario from this weeks's lecture. Suppose we sell salsa for $1 per unit, and guacamole 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.)