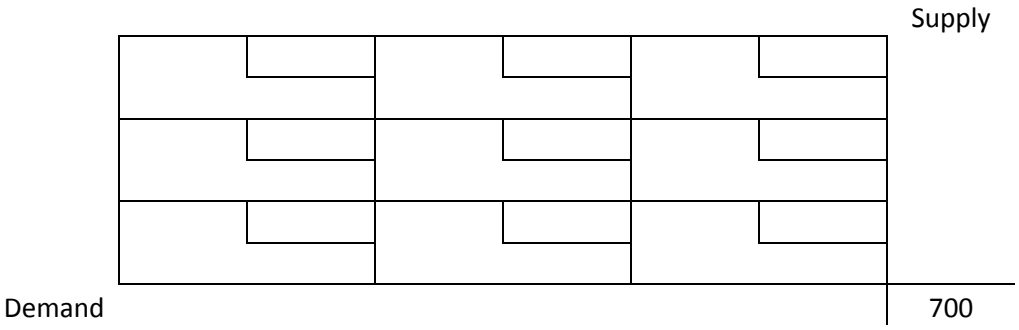
Professor Ed Dansereau Quiz 14

Joe's bakery operates three bakeries supplying donuts to three Dunkin Donuts locations. The Des Moines bakery can produce 100 donuts, the Evansville bakery can produce 300 donuts, and the Fort Lauderdale bakery can produce 300 donuts. The Dunkin Donuts franchise in Arlington requires 200 donuts, Boston requires 300 donuts, and Cleveland requires 200 donuts. The per donut shipping cost from Des Moines to Arlington is $5, from Des Moines to Boston is $4, and from Des Moines to Cleveland is $3. The shipping costs per donut from Evansville to Arlington, Boston, and Cleveland is $8, $4, and $3, respectively. The shipping costs per donut from Fort Lauderdale is $9, $7, and $5.

1. Place information in Standard Form
2. Generate an Initial Feasible Solution using the Least Cost Method.
    a. Hint: the bakery locations, the shipping "from", are on the left the Dunkin Donuts locations, the ship "to", are on the top.
    b. Supply his how much the bakery is capable of producing. Demand is how much each customer wants (demands).
    c. The pre unit ship cost goes into the small box.