**Hands On 3**

**Due Thu, Oct 5th, 11:59pm**

**Instructions:**

In the context of the following transportation problem, open up *handson3errors.gms* and correct the errors in the model. Take into account that there are not only syntax-related errors but also theoretical, so after you have a corrected version, take a careful look in the plausibility of the results. You might find it helpful to review the slides for Lecture 3.

**Problem:**

The Old Fashioned Peaches Company has canning plants in multiple locations where they produce cases of canned peaches. Old Fashioned Peaches wishes to ship goods from their four supply locations (Seattle, San Diego, Topeka, Houston) to two demand locations (New York, Chicago). The distances between regions and the amount of goods available at each supply point are given below:

|  |
| --- |
|  Distance to Demand Region (miles)  |
| Supply  | Goods in Inventory | New York | Chicago |
| Seattle  | 50 | 20 | 25 |
| San Diego  | 30 | 15 | 30 |
| Topeka  | 20 | 10 | 15 |
| Houston  | 10 | 17 | 19 |
| Cost of shipping is $.50 per mile  |

The quantities of goods that will be sold at each demand regions are as follows:

|  |  |
| --- | --- |
| Demand Region  | Quantity to be Sold |
| New York  | 55 |
| Chicago | 45 |

**Requirements:**

1. Hand in a bug-free \*.gms file, with \* all of the group members’ names.