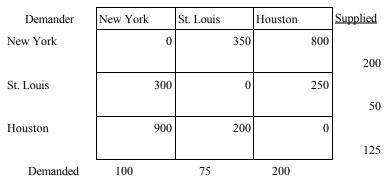
Transportation model -Service representative travel.

The whosis Equipment Company (WEC) does business in three cities. WEC maintains technicians in each city to service machines in the field. Travel costs and needs for service gives the following transportation matrix: Traditionally, the company has filled needs for each city's technical support with the technician friom that city, resulting in the intuitive solution shown below:



Transportation costs (\$/trip) & number of service trips required

Transportation costs (\$/trip) & number of service trips required

| Demander | New York | St. Louis | | Houston | | Supplied |
|-----------|----------|-----------|-----|---------|-----|----------|
| New York | (|) | 350 | | 800 | |
| | 100 | 25 | | 75 | | 200 |
| St. Louis | 300 |) | 0 | | 250 | |
| | | 50 | | | | 50 |
| Houston | 900 |) | 200 | | 0 | |
| | | | | 125 | | 125 |
| Demanded | 100 | 75 | | 200 | | - |

Transportation costs (\$/trip) & number of service trips required

| Demander | New York | | St. Louis | | Houston | | Supplied |
|-----------|----------|-----|-----------|-----|---------|-----|----------|
| New York | | 0 | | 350 | | 800 | |
| | 100 | | 25 | | 75 | | 200 |
| St. Louis | 3 | 300 | | 0 | | 250 | |
| | | | 50 | | | | 50 |
| Houston | 9 | 900 | | 200 | | 0 | |
| | | | | | 125 | | 125 |
| Demanded | 100 | | 75 | | 200 | | - |

Transportation costs (\$/trip) & number of service trips required

