

Department of Industrial Engineering & Operations Research  
IEOR 162 Linear Programming and Network Flows (Spring 2022)

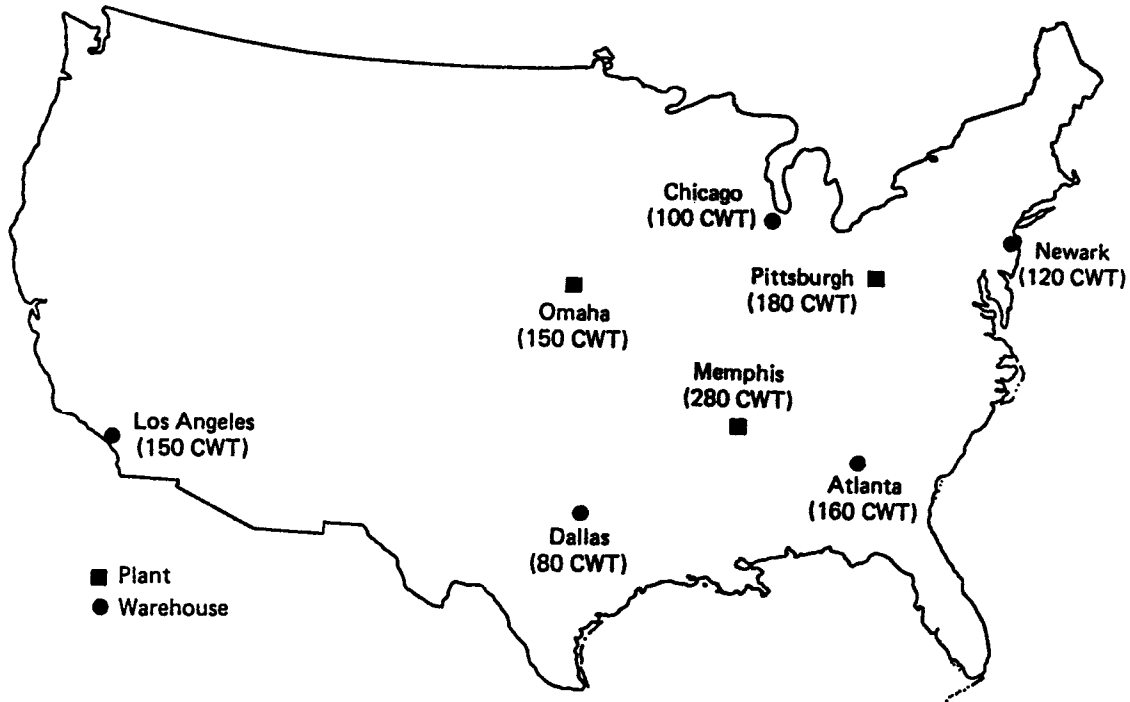


Figure 1: Locations of GBC's plants and warehouses

\$/CWT	Warehouse 1 (Newark)	Warehouse 2 (Chicago)	Warehouse 3 (Atlanta)	Warehouse 4 (Dallas)	Warehouse 5 (Los Angeles)	Supplies
Plant 1 (Pittsburgh)	4	6	5	12	19	180 CWT
Plant 2 (Memphis)	10	4	8	5	14	280 CWT
Plant 3 (Omaha)	13	9	3	6	10	150 CWT
Demands	120 CWT	100 CWT	160 CWT	80 CWT	150 CWT	

Table 1: Transportation costs

	Warehouse 1 (Newark)	Warehouse 2 (Chicago)	Warehouse 3 (Atlanta)	Warehouse 4 (Dallas)	Warehouse 5 (Los Angeles)	Supplies
Plant 1 (Pittsburgh)						180 CWT
Plant 2 (Memphis)						280 CWT
Plant 3 (Omaha)						150 CWT
Demands	120 CWT	100 CWT	160 CWT	80 CWT	150 CWT	