

Example 2: Transportation Problem.

Minimize the costs of shipping goods from production plants to warehouses near metropolitan demand centers, while not exceeding the supply available from each plant and meeting the demand from each metropolitan area.

Number to ship from plant x to warehouse y (at intersection):						
Plants:	Total	San Fran	Denver	Chicago	Dallas	New York
S. Carolina	5	1	1	1	1	1
Tennessee	5	1	1	1	1	1
Arizona	5	1	1	1	1	1
Totals:		3	3	3	3	3
Demands by Whse -->		180	80	200	160	220

Plants:	Supply	Shipping costs from plant x to warehouse y (at intersection):				
S. Carolina	310	10	8	6	5	4
Tennessee	260	6	5	4	3	6
Arizona	280	3	4	5	5	9
Shipping:	\$83	\$19	\$17	\$15	\$13	\$19