

Barbecue sauce delivery

- You are the proud inventor of "The best barbecue sauce on earth" and would like to **plan cost minimizing delivery to distributors** that ordered it. **Find an optimal delivery plan:**
- You have four plants with the following stock: Accident, Maryland (AMD) has 250 bottles, Chicken, Alaska (CAK) has 500, Embarrass, Minnesota (EMN) has 300, and Experiment, Georgia (EGA) has 400.
- Your orders for next week are as follows: New Jersey (NJ) 150; New York City (NYC) 250; South California (SCA) 300; Florida (FL) 250; Texas (TX) 100; Alabama (AL) 150; Colorado (CO) 150; Nevada (NV) 100.
- The following list provides the unit shipping costs in cents/piece:
AMD→NJ 4, AMD→NYC 5+**x.yz**, AMD→FL 4+**x.yz**, AMD→SCA 8, CAK→NJ 10, CAK→NYC 9, CAK→TX 7, EMN→NYC 8, EMN→CO 3+**x.yz**, EMN→AL 4, EGA→AL 5, EGA→FL 2+**x.yz**, EGA→TX 6, EGA→CO 12, EGA→NV 10+**x.yz**.
- Shipping on all other pairs of relations are impossible.