We have to assign transportation from eight warehouses to eight retail stores. Demands, costs and capacities are listed below. Solve the problem and report your transportation assignments, including the total transportation cost.

 Store 1 2 3 4 5 6 7 8 Capacity

Warehouse

A 7 6 5 2 8 9 1 3 400

B 6 7 5 6 5 4 7 4 400

C 2 2 3 2 2 2 4 3 125

D 3 4 5 4 4 3 4 5 75

E 7 8 7 7 8 8 9 8 300

F 6 7 7 6 8 6 7 7 200

G 4 6 6 4 5 6 7 6 200

H 4 5 6 6 5 4 7 7 300

Demand 200 350 150 400 175 225 200 300