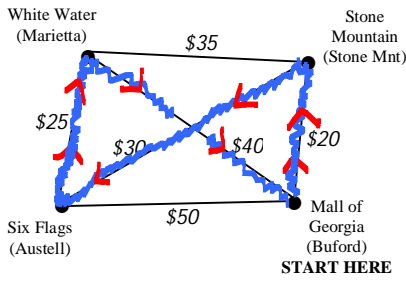


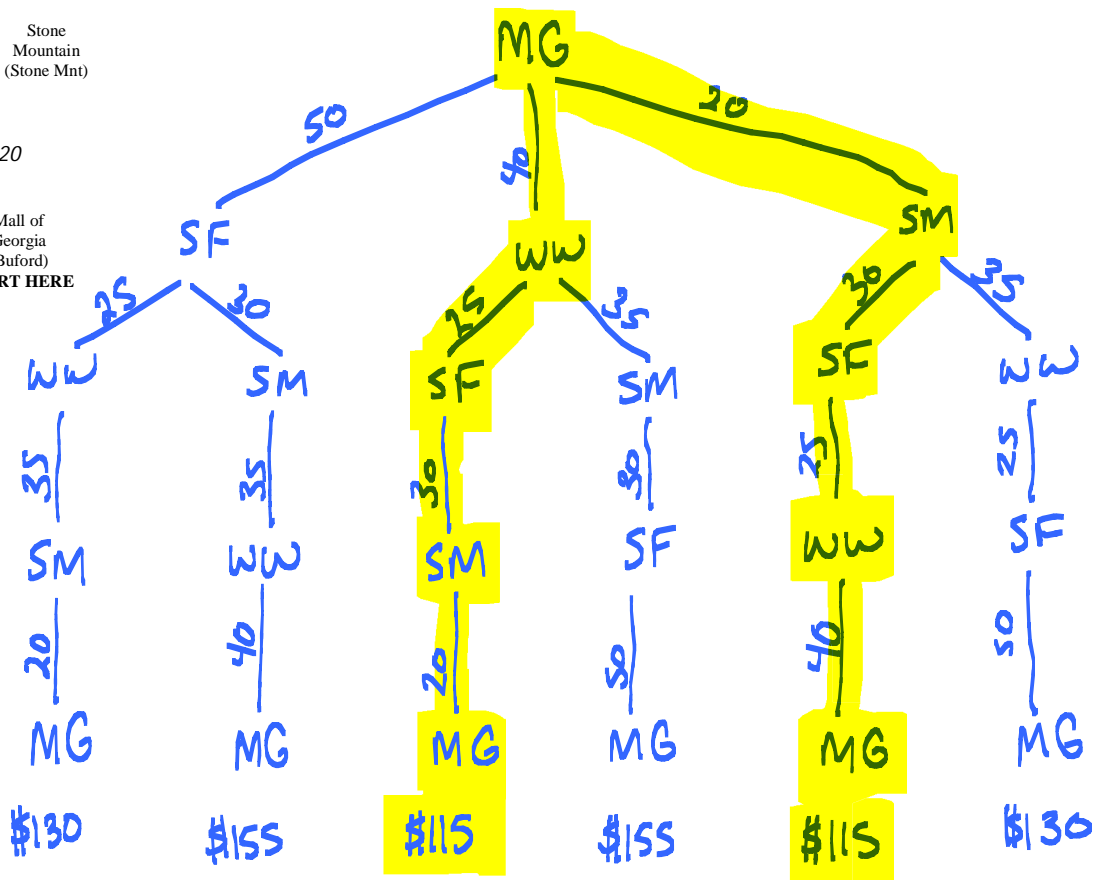
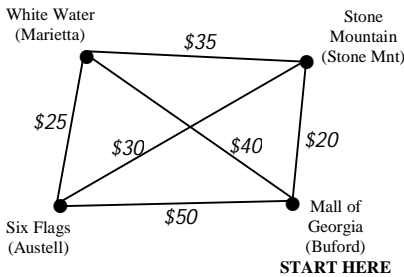
1. Using the “Nearest Neighbor Algorithm”, determine a possible cheapest Hamiltonian Circuit starting from the “Mall of Georgia”.



$$MG \xrightarrow{20} SM \xrightarrow{30} SF \xrightarrow{25} WW \xrightarrow{40} MG$$

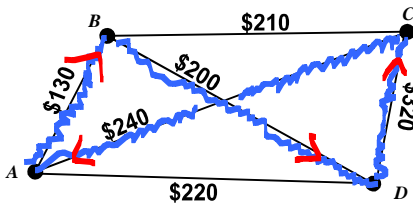
\$115

2. Using the “Brute Force Algorithm”, determine the cheapest Hamiltonian Circuit starting from the “Mall of Georgia”.



↑  
CHEAPEST CYCLE FORWARDS  
AND BACKWARDS

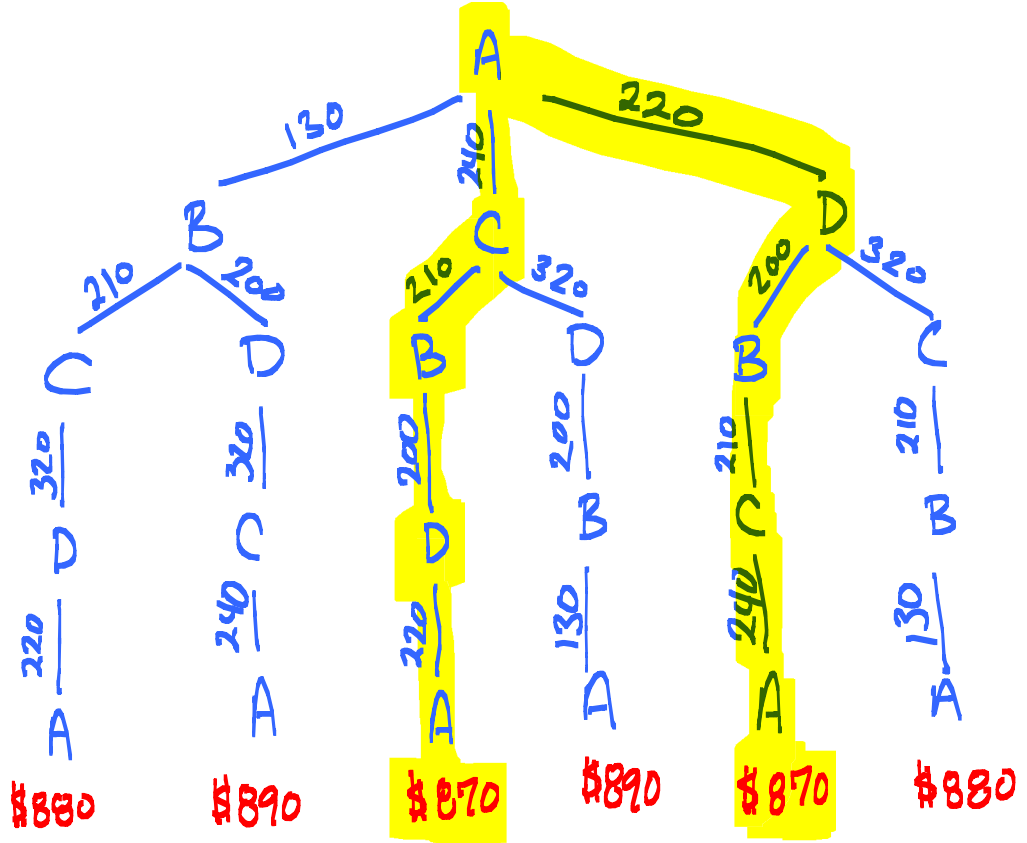
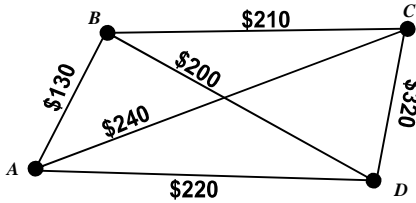
3. Using the "Nearest Neighbor Algorithm", determine a possible cheapest Hamiltonian Circuit starting from point A.



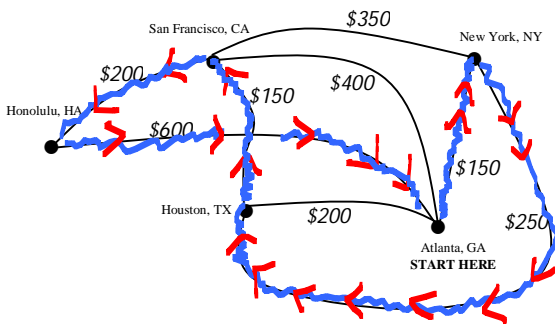
$$A \xrightarrow{130} B \xrightarrow{200} D \xrightarrow{320} C \xrightarrow{240} A$$

**\$890**

4. Using the "Brute Force Algorithm", determine the cheapest Hamiltonian Circuit starting from point A.



5. Using the "Nearest Neighbor Algorithm", determine a possible cheapest Hamiltonian Circuit starting from Atlanta Georgia.



$$ATL \xrightarrow{150} NY \xrightarrow{250} HOU \xrightarrow{150} SF \xrightarrow{200} HON \xrightarrow{600} ATL$$

**\$1350**