1. (15 points.) Repeat HW#2, problem #1. Instead of using Sharpe, write an SPNP program to solve the same problem. Show SPNP source code and outputs.

2. (15 points.) Repeat HW#2, problem #2 using SPNP. Show SPNP source code and outputs.

3. (15 points.) Repeat HW#2, problem #3 using SPNP. Show SPNP source code and outputs.

4. (15 points.) Repeat HW#2, problem #4 using SPNP. Show SPNP source code and outputs.