1. (15 points.) Repeat HW#2, problem #1 using SPNP. Show SPNP source code and outputs.

2. (25 points.) Repeat HW#2, problem #2 using SPNP. Show SPNP source code and outputs.

3. (25 points.) Repeat HW#2, problem #3 using SPNP. Show SPNP source code and outputs. (Hint: See case study 2 for a possible SPN model.)