Homework problem:

1. What is the distribution property of beliefs? What is the difference from the distribution property of standard FOL? Why?

2.Consider the theory (p ∨ q ∨r) ∧ (~q ∨ ~r) ∧ (p ∨ ~q). Compute its LUB and GLBs, then use the result to answer the query r.

3.Does the knowledge compilation always speed up the inference? Why?

4.What is the relationship between limited inference and approximate inference?