**Assignment 2**

1. **Propositional Logic (8 marks)**
   1. **Knowledge representation with propositional logic. (1 marks)**

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* 1. **Consider above Wumpus Knowledge base KB: (6 marks)**

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* 1. **Convert to CNF. (1 mark)**

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1. **First Order Logic (8 marks)**

**1. Unification. (2 mark)**

**For each pair of sentences find the unifier. Lower case letters are variables.**

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**2. Consider a FOL Knowledge base KB: (6 marks)**

1. **Prove by resolution**

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1. **Prove by forward chaining**

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1. **Prove by Backward chaining**

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