PHIL 112 Homework 1

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1. Specify the atomic formulas of PL.

   Every expression of PL that is either a sentence letter of PL, or an n-place predicate of PL followed by n individual terms of PL is an atomic formula of PL.

2. Give the recursive definition of 'formula of PL'.

   (a) Every atomic formula **P** is a formula of PL.

   (b) If **P** is a formula of PL, then so is ~**P**.