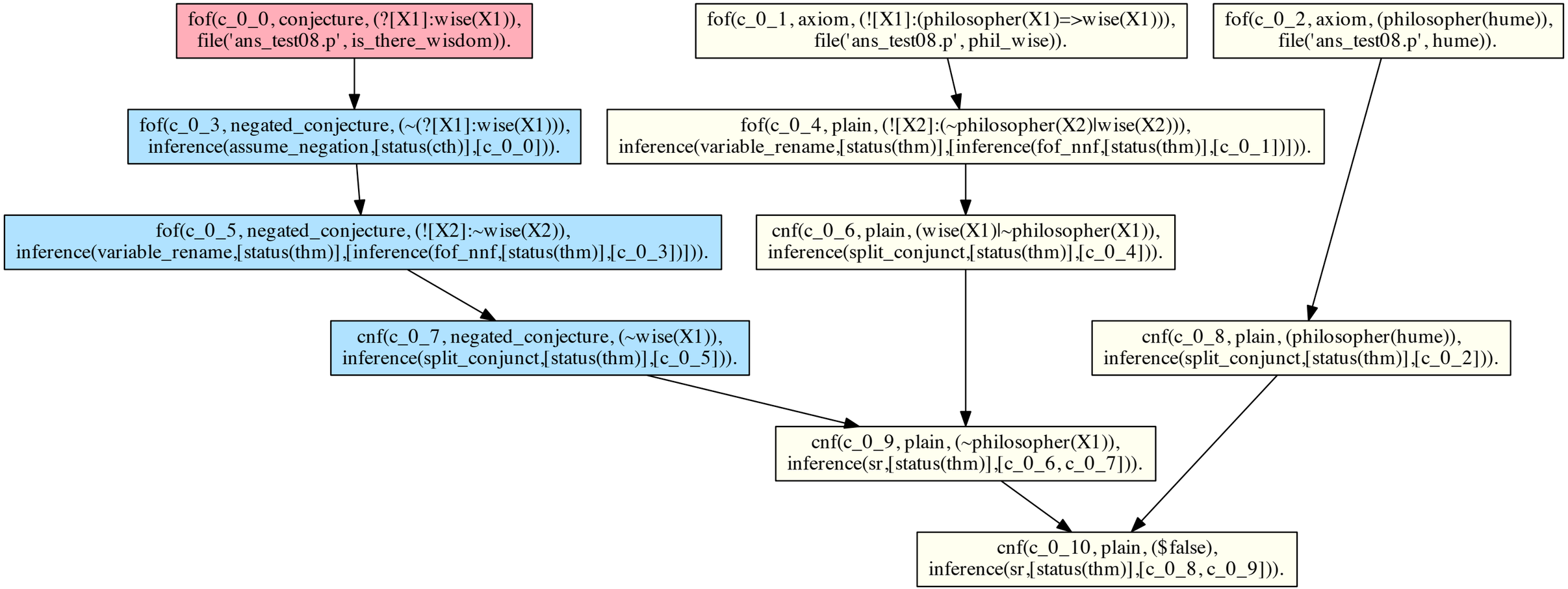

fof(c_0_0, conjecture, (?[X1]:wise(X1)), file('ans_test08.p', is_there_wisdom)).
fof(c_0_1, axiom, (![X1]:(philosopher(X1)=>wise(X1))), file('ans_test08.p', phil_wise)).
fof(c_0_2, axiom, (philosopher(hume)), file('ans_test08.p', hume)).
fof(c_0_3, negated_conjecture, (~(?[X1]:wise(X1))), inference(assume_negation,[status(cth)],[c_0_0])).
fof(c_0_4, plain, (![X2]:(~philosopher(X2)|wise(X2))), inference(variable_rename,[status(thm)],[inference(fof_nnf,[status(thm)],[c_0_1])])).
fof(c_0_5, negated_conjecture, (![X2]:~wise(X2)), inference(variable_rename,[status(thm)],[inference(fof_nnf,[status(thm)],[c_0_3])])).
cnf(c_0_6, plain, (wise(X1)|~philosopher(X1)), inference(split_conjunct,[status(thm)],[c_0_4])).
cnf(c_0_7, negated_conjecture, (~wise(X1)), inference(split_conjunct,[status(thm)],[c_0_5])).
cnf(c_0_8, plain, (philosopher(hume)), inference(split_conjunct,[status(thm)],[c_0_2])).
cnf(c_0_9, plain, (~philosopher(X1)), inference(sr,[status(thm)],[c_0_6, c_0_7])).
cnf(c_0_10, plain, ($false), inference(sr,[status(thm)],[c_0_8, c_0_9])).