Before Running Reasoner

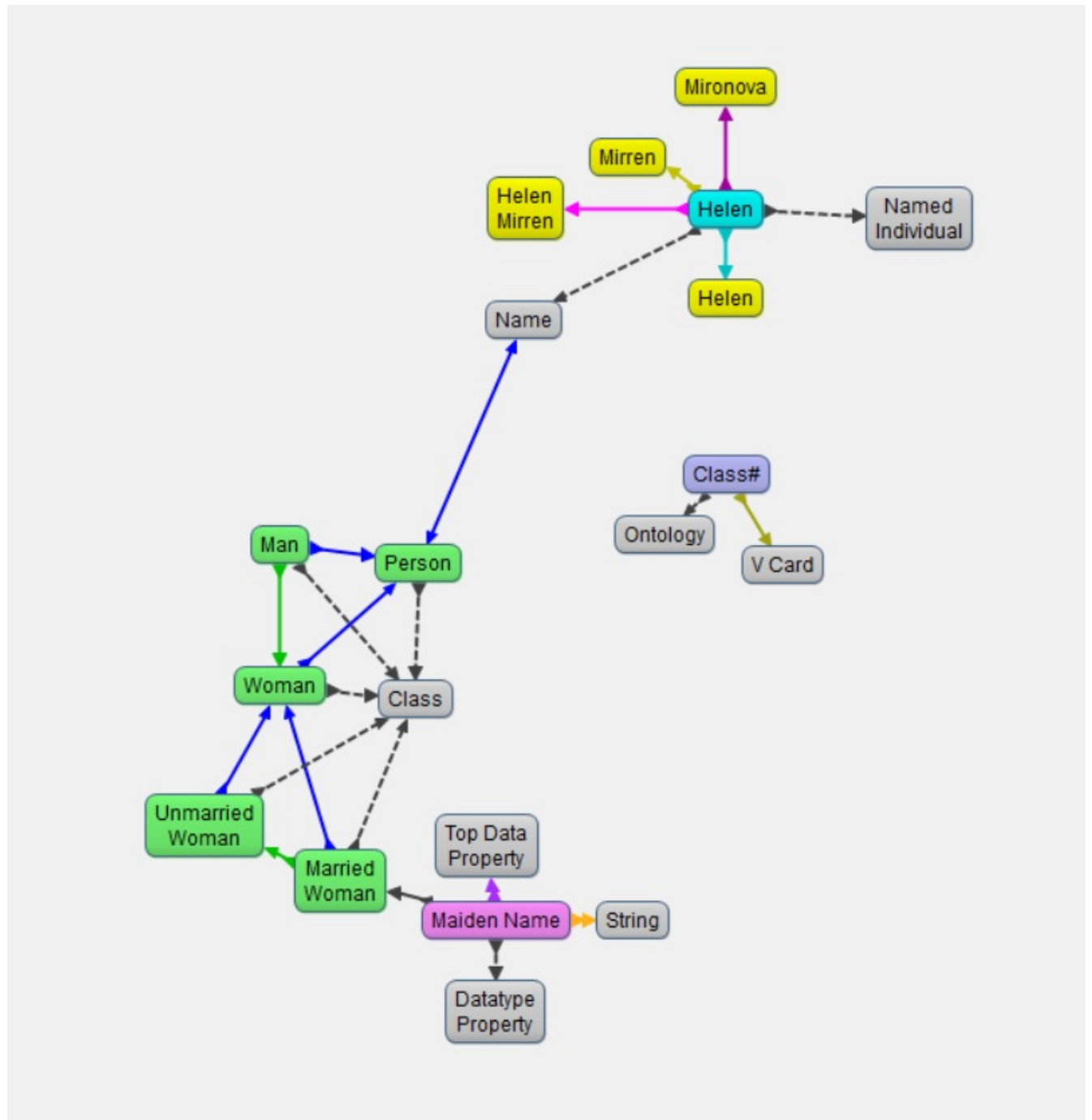# After Running Reasoner