## Problem 1: Expressing First-Order Logic

```
b
¬ Wrote (Gershwin, EleanorRigby )
c
Wrote(Gershwin, TheManILove) ∨ Wrote(McCartney, TheManILove)
d
∃ s Wrote(Joe,s)
h
∀ s Wrote(Gershwin,s) => ∃ p,a Sings(p,s,a)
j
∃ a,d Sings(BHoliday, TheManILove,a) ∧ CopyOf(d,a) ∧ Owns(Joe,d)
l
∀ a (∀ s Sings(BHoliday, s,a)) => ∃ d Copyof(d,a) ∧ Owns(Joe,d)
```