1. Ariya sits between Navin and Shay, but she (Ariya) is not Shay's reading buddy.
   F^3: {1} sits between {2} and {3}. a^0: Ariya. d^0: Navin. g^0: Shay.
   b^1: The reading buddy of {1}.

   $F(adg) \wedge a \neq b(g)$

   $\sim a=b(g)$

2. For each person, there is a vacation that they will like going on; but not everyone can afford all vacations.
   A^1: {1} is a person. B^1: {1} is a vacation. G^2: {1} will like going on {2}.
   K^2: {1} can afford {2}.

$\forall x(Ax \rightarrow \exists y(By \wedge G(xy))) \wedge \sim \forall x(Ax \rightarrow \forall y(By \rightarrow K(xy)))$

$\exists x(Ax \wedge \sim \forall y(By \rightarrow K(xy)))$

$\exists x(Ax \wedge \exists y(By \wedge \sim K(xy)))$ NOTE: can start $\exists x \exists y$