

$$\exists x \forall y : (y \text{ for } x) \wedge (x \text{ for } y)$$

1. $\forall D$: D. goes to H.
2. $\forall x$: x is F. in L. and W.
3. $\forall x$: x ought to have a M.
4. $\forall C$: C. has a S. L.
5. $\forall T$: (you M. at T. \Rightarrow G. K. a K.)
6. $\forall K$: \neg (I get K. from C.)
7. $\neg \exists x$: \neg (x likes S. L.)
8. $\neg \exists x$: x knows the T. I've S.
9. $\neg \exists M$: M. is an I.
10. $\exists x$: x is R. in the S. of D.
11. $\neg \exists x$: x is a F. L.
12. $\neg \exists J$: $J \in M$. (M. C. has S. O.!))
13. $\neg \exists x$: x is like a D.
14. $\forall M. \exists S$: S. is B. at M.
15. $\forall x \exists T. \exists P$: T. and P. are for x
16. $\neg \exists B$: B. is like S. B.
17. $\neg \exists P$: P. is like H.
18. $(\exists P. \forall T$: you can F. P. at T.) \wedge $(\exists T. \forall P$: you can F. P. at T.) \wedge $(\neg \forall T. \forall P$: you can F. P. at T.)
19. $\forall x$: (you W. $x \Rightarrow$ you can G. x at A.'s R.)

$$P_{15} \cap F_2; L_{11} \cap D_{10}; G_5 \cap M_3; S_{14} \cap H_{17}; F_{11} \cap W_2; S_{14} \cap I_9; J_{12} \cap F_{18}; L_4 \cap R_{10}$$

$$S_7 \cap M_3; S_{16} \cap M_5$$

$$D_{13} \cap W_{19}; S_8 \cap M_9; D_1 \cap C_6; C_4 \cap M_{14}; S_{12} \cap I_9$$