

周二:

P13, 14

(a) $r \wedge \neg q$

(c) $r \rightarrow p$

(e) $p \wedge q \rightarrow r$

P14, 23

- (a) If the wind blows from the northeast, then it snows.
- (b) If it stays warm for a week, then the apple trees will bloom.
- (c) If the Pistons win the championship, then they beat the Lakers.
- (d) If you walk 8 miles, then you get to the top of Long's Peak.
- (e) If you are world-famous, then you get tenure as a professor.
- (f) If you buy gasoline, then you could drive more than 400 miles.
- (g) If you bought your CD player less than 90 days ago, then your guarantee is good.

(h) If the water is not too cold, then Jan will go swimming.

P15, 33

(a,c,f)

p	q	$(p \vee q) \rightarrow (p \oplus q)$	$(p \vee q) \oplus (p \wedge q)$	$(p \oplus q) \rightarrow (p \oplus \neg q)$
T	T	F	F	T
T	F	T	T	F
F	T	T	T	F
F	F	T	F	T

周五:

P22,7

(a) $q \rightarrow p$

(b) $\neg p \wedge q$

(c) $q \rightarrow p$

(d) $\neg q \rightarrow \neg p$

P23,19

A:knight B:knave