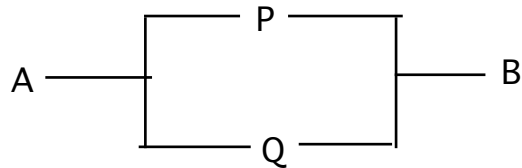


CHAPTER 3, TEST A

1. TTTT
2. Both have the truth values TFFTTF for the order p, q, r in the truth tables.
3. The statement is true if the day is warm, or if it is summer, or if the day is warm and it is summer.
4. False, because the premise is true and the conclusion is false.
5. If I do not stay indoors, then the weather is not rainy.
6. If I stay indoors, then the weather is rainy.
7. If the weather is not rainy, then I do not stay indoors.
8. $s \Rightarrow r$
9. $(p \rightarrow q) \Leftrightarrow (\sim p \vee q)$
10. $q \Leftrightarrow \sim q$
11. $s \rightarrow t$
12. $p \wedge \sim s$
13. It is not the case that the test is hard or I shall pass it.
14. The test is not hard or I shall pass it.
15. I shall not drive and I shall not walk.
16. No science fiction stories are interesting.
17. Some ripe peaches do not taste good.
18. FFTF
19. FTTT
20. FTTF
21. Valid
22. (c) is not valid.
23. Patsy reads comics.

24. $b \rightarrow \sim g$
 $\frac{g}{\therefore \sim b}$

25.



CHAPTER 3, TEST B

1. (c) 2. (b) 3. (d) 4. (a) 5. (c) 6. (a)

7. (b) 8. (b) 9. (c) 10. (e) 11. (a) 12. (b)

13. (c) 14. (a) 15. (c) 16. (d) 17. (d) 18. (b)

19. (c) 20. (a) 21. (e) 22. (a) 23. (c) 24. (d)

25. (a)