EXERCISE 5.17: The two difference equations in (5.40) and (5.41) would be represented by two distinctly different block diagrams of the type shown in Fig. 5-15. Construct the detailed block diagrams of the direct form (5.40) and the cascade form(5.41) showing all multiplications and additions. (Multiplications by 1 do not need to be explicitly shown as multiply operations.)

McClellan, Schafer, and Yoder, *DSP First*, 2e, ISBN 0-13-065562-7. Prentice Hall, Upper Saddle River, NJ 07458. ©2016 Pearson Education, Inc.

