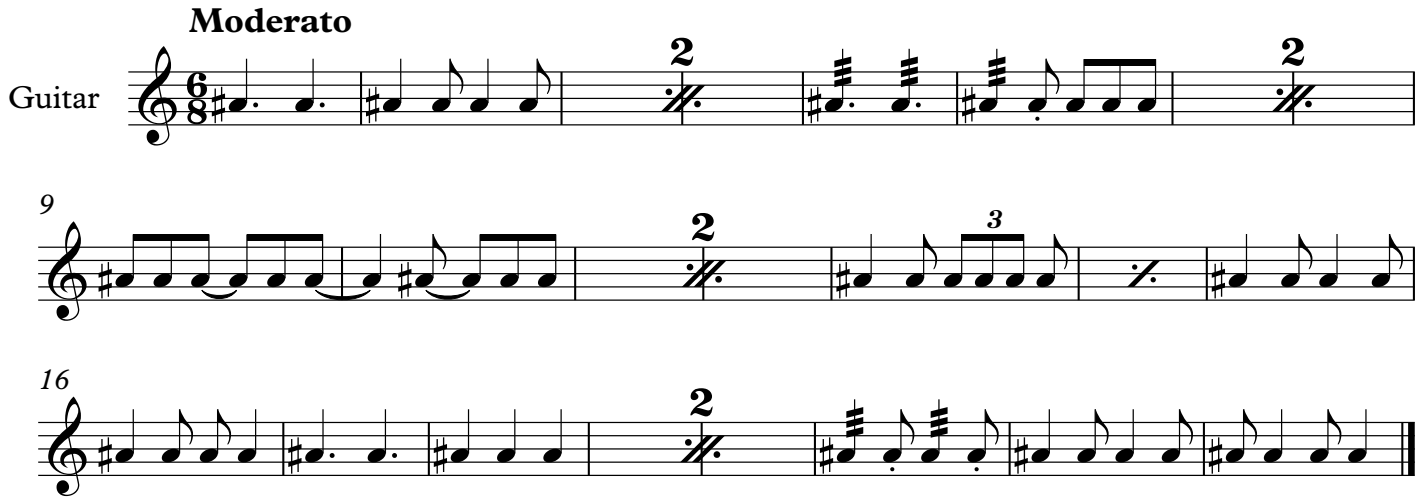Exercise 12.3