

# Chapter 1      Section 2      Exercises

1. How many substrings  $aab$  are in  $ww^Rw$ , where  $w = aabbab$ .

*Solution.* Because

$$w^R = babbaa, \quad ww^Rw = \underline{a}abbabbabbaa\underline{a}abbab,$$

there are two substrings  $aab$  in  $ww^Rw$ .