

Additional practice problems

1. Showing that a language is nonregular: exercises 1.29, 1.46, 1.47, 1.49, 1.53.

In addition to the pumping lemma, the closure of regular languages under many operations can be used to show that a language is nonregular. See Example 1.74 (page 81) for illustration of this method (this is not required).

2. Showing that a language is regular and its properties: exercises 1.36, 1.37, 1.48, 1.60, 1.61, 1.62.