



1 Introduction

In this part, we provide the solutions to the exercises from Part I. Sometimes we will be very brief (if we think that this is sufficient to understand the solution), sometimes we will be a bit more wordy (if the solution requires some careful argument). We do not write the solutions in a “paper style”, but rather in a way one would explain it to a student on a blackboard. We think in this, more vivid way, computations and arguments can be easier understood, even though this sometimes makes derivations look longer than in the condensed style of a scientific paper: a lengthy computation doesn’t get easier if we abbreviate it by leaving the “easy” steps to the poor reader. . .

Finally, if you find alternative solutions, we very much appreciate that: we never claim our solutions to be the best and in particular not the only one!