Czech ACM Student Chapter
CTU in Prague, Dept. of Computer Science and Engineering

CTU FEE Local Contest 2003

European Union

Dear contestants:

In two weeks, an important referendum will be held in the Czech Republic. The people will vote whether or not to enter the European Union. We do not want to give you any advices, how you should vote. There are many other people and celebrities doing that. Instead, we want you to know of some interesting behind-the-scenes details about the Union. Thus, we have prepared a set of problems that remain unsolved until today. Now, you are to write several programs to solve these problems and to help the Republic on its way to Europe.

All of the programs will run in UNIX environment. Every program should read data from the standard input and send results to the standard output. The data format is given and must be exactly followed. There will be no extra spaces in the input and there should be no extra spaces and newlines in the output, if not stated otherwise. The end-of-line character is not considered a part of the line. All numbers will fit into the standard signed *integer* type of 32 bits, if the description of a particular problem does not say otherwise.

We wish you a lot of fun and good luck with solving these problems.

Your organizing team

This problem set consists of ten sheets of paper (including this one) and it contains nine problems. Please check whether you have the complete set.