In the name of God

## Department of Physics Shahid Beheshti University

## NUMERICAL ANALYSIS COURSE

## Exercise Set 1

## (Due Date: 1403/07/17)

- 1. General view of Optimization: For the traveling salesman problem, find the optimum route according to the definition in the second page of this exercise.
- 2. Shell script experiences: write proper shell scripts to do following tasks:

 $\mathbf{A}$ : Loops.

 $\mathbf{B}$ : Write a proper shell script to print the content of each file inside each directory in order. Then write the sentences with order same as for directory to a file named "sentence.txt".

 $\mathbf{C}:$  Making directory and file.

 $\mathbf{D}$ : Run a simple program.

 ${\bf E}: {\rm Reading \ from \ file} \ ({\rm dataE.txt}) \ {\rm and \ writing \ in \ another \ file.}$ 

Good luck, Movahed



Visit necessarily C before D