

Lab #04 (8%) (Data Structures 2017)

Topics: Procedural decomposition

In this lab you have to solve following 10 uva.onlinejudge.org problems using procedural (functional) decomposition.

Requirements:

- Do not use global variables (variables defined outside of any function).
- Do not use C arrays (`int a[10]`), C-strings (`char s[] = "Hello"`). Use class vector and class string instead.
- Each your function (including main) must have at most 25 lines.
- Write declaration of each function you use before function main and define functions after function main in arbitrary order.

10 Problems (each problem is 0.8% of total grade)

1	162 - Beggar My Neighbour
2	227 – Puzzle
3	255 - Correct Move
4	337 - Interpreting Control Sequences
5	401 – Palindromes
6	457 - Linear Cellular Automata
7	10033 - Interpreter
8	10196 - Check The Check
9	10205 - Stack 'em Up
10	11221 - Magic square palindromes.