

Lab #02 (8%) (Data Structures 2017)

Topics:
Problems from <http://uva.onlinejudge.org/>

40 Problems (each problem is 0.2% of total grade)

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.
- Do not use C functions `scanf()`, `printf()`. Use `cin` and `cout` objects instead.

1	100 - The $3n + 1$ problem
2	272 - TEX Quotes
3	382 – Perfection
4	621 - Secret Research
5	10035 - Primary Arithmetic
6	10114 - Loansome Car Buyer
7	10300 - Ecological Premium
8	10550 - Combination Lock
9	10963 - The Swallowing Ground
10	11044 – Searching for Nessy
11	11332 - Summing Digits
12	11364 – Parking
13	11498 - Division of Nlogonia
14	11547 - Automatic Answer
15	11559 - Event Planning
16	11679 - Sub-prime
17	11727 – Cost Cutting
18	11764 - Jumping Mario
19	11799 - Horror Dash
20	11942 - Lumberjack Sequencing
21	12015 - Google is Feeling Lucky
22	12157 - Tariff Plan
23	12250 – Language Detection
24	12279 – Emoogole Balance
25	12289 - One-Two-Three

26	12372 - Packing for Holiday
27	12403 – Save Setu
28	12468 – Zapping
29	12503 - Robot Instructions
30	12554 - A Special "Happy Birthday" Song!!!
31	483 – World Scramble
32	10222 – Decode the Mad man
33	10115 – Automatic Editing
34	10361 – Automatic Poetry
35	10391 – Compound Words
36	414 – Machine Surfaces
37	482 – Permutation Arrays
38	755 – 487 – 3279
39	541 – Error Correction
40	10260 – Soundex