ETH Trainingsweek — April, 2015
Introduction to the Testing System

Maxim Buzdalov
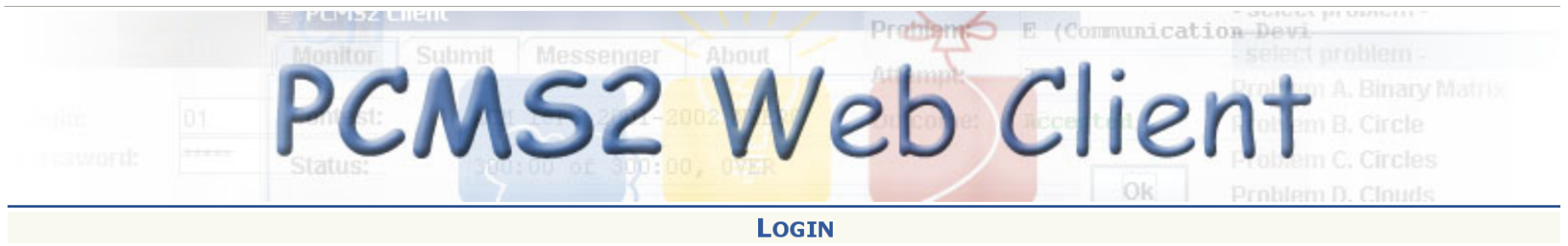
Topics

1) PCMS2 Web Client
2) Some technical notes about the testing system
3) Dress Rehearsal

PCMS2 Web Client

- A web interface to the PCMS2 testing system
  - used in NEERC, quarterfinals, Russian olympiads
- What can it be used for?
  - viewing contest status
  - submitting solutions
  - watching for outcomes
  - reading messages

Login

LOGIN

PCMS2 Web Client

Login

Login name: pcss00
Password: ●●●●●●●●●●●●●●

Login

Monitor

PCMS2 Web Client

ETH Trainingsweek: Training 4

OVER, 300:00 of 300:00 ☑ Show time

Last success: University of Waterloo, D (Conduit Packing), 299:00

You are: Maxim Buzdalov

Rank	Party	A	B	C	D	E	F	G	H	I	J	K	=	Time
1	St. Petersburg State University of IT, Mechanics and Optics	+ 13:00	+ 120:00	.	+1 84:00	+1 125:00	+ 48:00	.	+1 247:00	+1 226:00	+ 240:00	+1 178:00	9	1381
2	Tsinghua University	+ 13:00	+2 63:00	+4 250:00	+ 121:00	+6 252:00	+1 94:00	-2	+1 189:00	+ 238:00	-1	+1 280:00	9	1800
3	St. Petersburg State University	+1 26:00	+ 79:00	+ 262:00	+ 131:00	+ 103:00	+ 51:00	.	.	+2 250:00	.	+ 214:00	8	1176
4	Saratov State University	+ 29:00	+ 68:00	+2 298:00	+ 167:00	+ 196:00	+ 93:00	.	+ 124:00	.	.	+1 270:00	8	1305
5	University of Oxford	+ 25:00	+ 125:00	.	+ 265:00	+ 100:00	+ 146:00	.	+ 93:00	+1 224:00	.	.	7	998
6	Zhejiang University	+ 26:00	+ 80:00	.	+ 225:00		+ 92:00	.	+ 187:00	+ 176:00	+2 291:40	.	7	1117
7	Massachusetts Institute of Technology	+1 20:00	+1 124:00	.	.	+1 248:00	+2 178:00	.	+ 60:00	+1 230:00	.	+2 123:00	7	1143
8	ITMO University 1	+ 26:37	+2 156:51	.	+ 205:15	+1 283:24	+ 92:59	.	+2 103:57	+ 265:26	.	-3	7	1230
9	Altai State Technical University	+ 31:00	+ 69:00	+1 191:00	+ 270:00	+3 245:00	+ 77:00	.	+ 291:00	.	.	.	7	1254
10	University of Warsaw	+ 17:00	+3 169:00	.	+1 285:00	+4 250:00	+1 143:00	.	+1 158:00	+5 91:00	.	.	7	1413

Submit a solution

View your submissions

Read messages

Messenger

Messages

07:48	**All dance!**
14:11	**J:1 - Accepted**
12:57	**K:2 - Accepted**
12:55	**K:1 - Wrong answer**
12:15	**I:1 - Accepted**
12:15	**H:1 - Accepted**
12:14	**F:1 - Accepted**
12:14	**E:1 - Accepted**
12:14	**D:1 - Accepted**
12:14	**C:1 - Accepted**
12:14	**B:1 - Accepted**
12:14	**A:1 - Accepted**

Testing System

- Your computers may be running Linux
- The testing system uses Windows
- MinGW C/C++ Compiler
  - Generally compatible with GCC/G++
  - Problems with printf/scanf formatters:
    - %lld used to cause problems (now should be OK)
    - %Lf (for long doubles) does not work at all
      - scanf: read to double, use %lf
      - printf: cast to double, use %lf

Input/Output, Time/Memory limits

- We mimic (at least older) World Finals, so...
    - time limit is not specified
        - should be enough for solving the problem
    - memory limit is not specified
    - the number of a failing testcase is not reported

Dress Rehearsal

- Two problems:
  - with input/output with floating-point values
  - with input/output with 64-bit integer values
- You can solve them in any way, but please:
  - test all languages you want to use
  - test all input/output templates you want to use
  - C/C++ users: test printf/scanf behavior here