

The 2021 Ukraine Northern Contest report

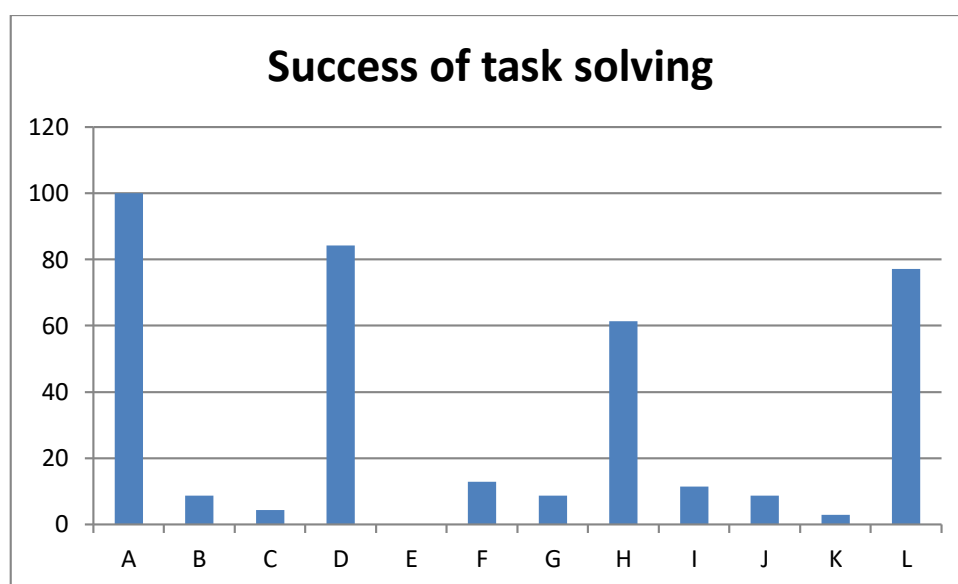
The 2021 ACM-ICPC Ukraine Northern Contest was on September 18, 2021.

This year **110** teams from **13** universities and colleges from **Kyiv, Zhytomyr and Chernihiv** regions were registered in the contest, and **36** teams from schools. **99** teams participated in the contest: 71 from universities and colleges and 28 from schools.

Universities

Success of task solving was varied, as shown in the following table and chart:

Task	A	B	C	D	E	F	G	H	I	J	K	L
% of success:	100	9	4	84	0	13	9	61	11	9	3	77



Below you can see a list of university teams ordered by place.

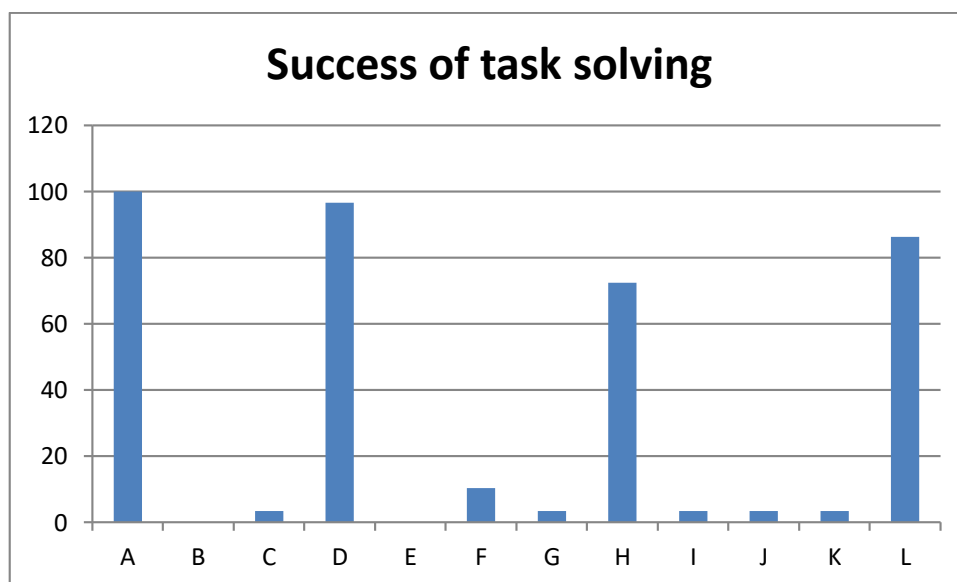
Place	Team	Solved	Penalty
1	KNU_0_GB_RAM	11	889
2	KNU_Duplee	10	1395
3	KNU_TheNextLevelPlay	9	1224
4	KNU_Immortals	8	891
5	KNU_LL	7	704
6	KNU_SLOZNO	7	818
7	KNU_PO_PLANU	6	317
8	KNU_almostMMA	6	659
9	KNU_infinity	5	222
10	KNU_LNTeam	5	304
11-12	KNU_Epilogue	5	324
11-12	NTUU_KPI_Kappa	5	324
13	NaUKMA_RDD	5	412

Place	Team	Solved	Penalty
14	KNU_SorceryBottle	5	437
15	KNU_Cat_walked_on_the_keyboard	5	513
16	LongLongShort	5	647
17	KNU_Shrek_masters	4	54
18	NTUU-KPI-IPT-4	4	80
19	NTUU_KPI_Ubaltoni	4	93
20	KNU_SPACE	4	114
21	KNU_Sbornaya_Ukrainy_po_Armenii	4	138
22	KNU_gusi.exe	4	146
23	NTUU_KPI_ZXC1000-7	4	148
24	KNU_nyni_icpc	4	150
25	KNU_Sysanal	4	156
26	KNU_CONTRADICTION	4	164
27	NUBIP_RocketScientists	4	201
28	NaUKMA_ZA_WARUDO	4	210
29	NTUU_KPI_Altair	4	215
30	SUT_SoftSUT2	4	220
31	KNU_Taras_Shevchenko	4	263
32	KUBG_Bugs_Patrol	4	278
33	KNU_Legacy	4	331
34	ZhSU_Prometey	4	382
35	ZhSU_SampleText	4	388
36	NUBIP_Tesla	4	422
37	KNU_Robochiy.class	4	522
38	KNUTE_Innocent	4	610
39	KNU_Rombic	4	654
40	KNU_Fist_Path	4	656
41	KNU_Proga	4	713
42	KNU_Cybermuffins	4	748
43	ZhSU_KGB	3	151
44	KNU_ImaginaryUnit	3	186
45	Kids Windows	3	212
46	ZhSU_MTV	3	304
47	AVM	3	306
48	NUBIP_Mind Header's_3	3	350
49	FM_21	3	359
50	CSTU_Suicide_squad	3	368
51	KNU_HornyPickles	3	652
52	KNU_CHYTALKA	2	8
53	NTUU-KPI-IPT-8	2	52
54	ZhSU_The Degeneranaunts	2	93

Place	Team	Solved	Penalty
55	KNU_CB5	2	222
56	KNU_LiquidCode	2	261
57	KUBG_Spiritual_Awakening	2	266
58	ZhSU_Syzygy	2	271
59	KNU_LEGACY_CODE	2	281
60	NUBIP_Shift	2	291
61	KNUTE_Smeshariki	2	297
62	ZhSU_Adrenalin	2	310
63	NTUU-KPI-IPT-7	2	320
64	NTUU-KPI-IPT-2	2	352
65	ZhSU_The Winners	2	408
66	ZhSU_Pears	1	29
67	NTUU-KPI-IPT-1	1	32
68	c_W.I.M.P	1	36
69	CSTU_NPE	1	79
70	NUBIP_BAKA_PM	1	113
71	c_Amogus	1	309
Total solved		269	

Schools

Task	A	B	C	D	E	F	G	H	I	J	K	L
% of success:	100	0	3	97	0	10	3	72	3	3	3	86



Following table contain ordered list of school teams.

Place	Team	Solved	Penalty
1	s_KPNL_Sho	10	911
2	s_Kyiv-UPML- KPNL145--TLNTUUKPI-ALGO-4-1000+1InvalidPointers	5	252
3	Consructiv_School	5	375
4	s-Leader171	4	116
5	s_upml_H2M	4	140
6	PL_AVI	4	162
7	s_Fhtagn	4	217
8	s_KPNL_2	4	231
9	s_KyivLyceumNTUUKPI-ALGO30	4	253
10	s_upml_66on33	4	266
11	s_MaKuPe	4	284
12	Territory12_school	4	378
13	s_upml_brazers	4	435
14	s_upml_Kabanchik2005	4	518
15	s_KPNL_3	4	519
16	s_upml_komOK	4	579
17	s_KPNL_6	4	714
18	s_KPNL_4	4	756
19	s_KPNL_1	4	764
20	s_upml_AXOLOTLS	4	775
21	s_upml_EittleWinners	3	259
22	s_KPNL_5	3	261
23	s_NVK141ORT	3	280
24	s_2M_Plus_P	3	376
25	Realisation_School	3	429
26	s_KyivLyceumNTUUKPI-ALGO33	2	51
27	s_KyivGymnasiumKMC-ALGO31	2	79
28	s_upml_boby	1	11
Total solved		108	

Places within each university

TARAS SHEVCHENKO KYIV NATIONAL UNIVERSITY

Place	Absolutely place	Team	Total solved	Penalty
1	1	KNU_0_GB_RAM	11	889
2	2	KNU_Duplee	10	1395
3	3	KNU_TheNextLevelPlay	9	1224
4	4	KNU_Immortals	8	891
5	5	KNU_LL	7	704
6	6	KNU_SLOZNO	7	818
7	7	KNU_PO_PLANU	6	317
8	8	KNU_almostMMA	6	659
9	9	KNU_infinity	5	222
10	10	KNU_LNTeam	5	304
11	11-12	KNU_Epilogue	5	324
12	14	KNU_SorceryBottle	5	437
13	15	KNU_Cat_walked_on_the_keyboard	5	513
14	17	KNU_Shrek_masters	4	54
15	20	KNU_SPACE	4	114
16	21	KNU_Sbornaya_Ukrainy_po_Armenii	4	138
17	22	KNU_gusi.exe	4	146
18	24	KNU_nyni_icpc	4	150
19	25	KNU_Sysanal	4	156
20	26	KNU_CONTRADICTION	4	164
21	31	KNU_Taras_Shevchenko	4	263
22	33	KNU_Legacy	4	331
23	37	KNU_Robochiy.class	4	522
24	39	KNU_Rombic	4	654
25	40	KNU_Fist_Path	4	656
26	41	KNU_Proga	4	713
27	42	KNU_Cybermuffins	4	748
28	44	KNU_ImaginaryUnit	3	186
29	50	KNU_HornyPickles	3	652
30	51	KNU_CHYTALKA	2	8
31	54	KNU_CB5	2	222
32	55	KNU_LiquidCode	2	261
33	58	KNU_LEGACY_CODE	2	281

NATIONAL TECHNICAL UNIVERSITY OF UKRAINE "KIEV POLYTECHNIC INSTITUTE":

Place	Absolute place	Team	Total solved	Penalty
1	11-12	NTUU_KPI_Kappa	5	324
2	18	NTUU-KPI-IPT-4	4	80
3	19	NTUU_KPI_Ubaltoni	4	93
4	23	NTUU_KPI_ZXC1000-7	4	148
5	29	NTUU_KPI_Altair	4	215
6	52	NTUU-KPI-IPT-8	2	52
7	62	NTUU-KPI-IPT-7	2	320
8	63	NTUU-KPI-IPT-2	2	352
9	66	NTUU-KPI-IPT-1	1	32

NATIONAL UNIVERSITY OF KYIV-MOHYLA ACADEMY

Place	Absolute place	Team	Total	Penalty
1	13	NaUKMA_RDD	5	412
2	28	NaUKMA_ZA_WARUDO	4	210

KYIV ACADEMY UNIVERSITY

Place	Absolute place	Team	Total	Penalty
1	16	LongLongShort	5	647

NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES OF UKRAINE

Place	Absolute place	Team	Total	Penalty
1	27	NUBIP_RocketScientists	4	201
2	36	NUBIP_Tesla	4	422
3	48	NUBIP_Mind Header's_3	3	350
4	59	NUBIP_Shift	2	291
5	69	NUBIP_BAKA_PM	1	113

KIEV NATIONAL UNIVERSITY OF TRADE AND ECONOMICS

Place	Absolute place	Team	Total	Penalty
1	38	KNUTE_Innocent	4	610
2	60	KNUTE_Smeshariki	2	297

CHERNIHIV STATE TECHNOLOGICAL UNIVERSITY

Place	Absolute place	Team	Total	Penalty
1	49	CSTU_Suicide_squad	3	368
2	68	CSTU_NPE	1	79

T.H. SHEVCHENKO NATIONAL UNIVERSITY "CHERNIHIV COLEHIUM"

Place	Absolute place	Team	Total	Penalty
1	49	FM_21	3	359

ZHYTOMYR STATE UNIVERSITY NAMED AFTER IVAN FRANKO

Place	Absolute place	Team	Total	Penalty
1	34	ZhSU_Prometey	4	382
2	35	ZhSU_SampleText	4	388
3	43	ZhSU_KGB	3	151
4	46	ZhSU_MTV	3	304
5	53	ZhSU_The Degeneranaunts	2	93
6	57	ZhSU_Syzygy	2	271
7	61	ZhSU_Adrenalin	2	310
8	64	ZhSU_The Winners	2	408
9	65	ZhSU_Pears	1	29

BORYS GRINCHENKO KYIV UNIVERSITY

Place	Absolute place	Team	Total	Penalty
1	32	KUBG_Bugs_Patrol	4	278
2	56	KUBG_Spiritual_Awakening	2	266

STATE UNIVERSITY OF TELECOMMUNICATIONS

Place	Absolute place	Team	Total	Penalty
1	30	SUT_SoftSUT2	4	220

Colleges

BOYARKA COLLEGE OF ECOLOGY AND NATURAL RESOURCES

Place	Absolute place	Team	Total	Penalty
1	67	c_W.I.M.P	1	36
2	70	c_Amogus	1	309

BERDYCHIV VOCATIONAL COLLEGE OF INDUSTRY, ECONOMICS AND LAW

Place	Absolute place	Team	Total	Penalty
1	45	Kids Windows	3	212
2	47	AVM	3	306

Coordinators of the contest are grateful to all participants and colleagues. Special thanks for cooperation to **Sergey Petrov** (Sumy) and **Volodymyr Mesyura** (Vinnytsia National Technical University).

Program of the contest was as follows:

Date/time	Action
September, 18, 8:30 – 9:45	Teams registration
September, 18, 9:10 – 9:30	Opening procedure
September, 18, 9:30 – 9:45	Sortition
September, 18, 10:00 – 15:00	Main contest
September, 18, 15:10 – 16:00	Tasks solution discussion

This year Northern contest coordinators are:

Olena Glazunova, Bella Golub, National University of Life and Environmental Sciences

Sergey Petrov, Sumy State University

Vitalii Bondarenko, Taras Shevchenko Kyiv National University

Oksana Lytvun, Borys Grinchenko Kyiv University

Sergey Zhukovskiy, Zhytomyr State University named after Ivan Franko

Viacheslav Suprun, Chernihiv State Technological University