

Fifty-one students on eighteen teams representing seven colleges and universities competed in the Twentieth Annual NMU Invitational Programming Contest on Saturday 30 March 2019: For each problem, the first number indicates the minutes it took that team to solve the problem; the second number indicates the number of failed attempts by that team on that problem prior to solving it. The minutes are added together and a 20-minute penalty is added for each failed attempt of a problem that was eventually solved. No penalty is added for any problem that was never solved. The teams are ranked by the number of problems that they complete. Ties are broken in favor of the team with the smallest number of minutes.

Sch	Name	P1	P2	P3	P4	P5	P6	CT	MI	RK
NMICH	THE IMMUTABLES Chris Lodge Ryan Salo Nate Santti	14 0	33 0	0 0	67 0	0 4	211 1	4	345	1
NMICH	BISTROMATHICS Anna Martin Robin Moriarty Jesse Schalk	18 0	45 0	0 0	81 1	0 0	215 0	4	379	2
NMICH	LONERS Wilson Kneiszal Zach Loman Damon Palovaara	39 0	82 0	0 0	129 2	0 2	252 2	4	582	3
LKSSU	YOUNG EINSTEIN Kent Barlow Joseph Dutcher Michael Pung	48 1	104 1	255 0	162 1	0 0	0 0	4	629	4
DEBRE	RUBIKS REVENGE Robert Toth Adam Vecsi David Veres	51 1	74 0	0 0	297 3	0 1	168 0	4	670	5
MITEC	FAST BOGOSORT Tony Duda Micheal Lay Nick Minarich	26 0	65 0	0 0	194 2	0 0	0 0	3	325	6
ALGMA	TOXIC & USELESS Alasdair Bennett Lukas Kwon Jingtian Zhao	117 0	74 2	0 0	0 7	268 0	0 0	3	499	7
ALGMA	YIKES Juan Brito Jared Kelly Brian Morris	102 1	59 0	0 0	0 9	0 1	0 0	2	181	8
UMNDU	GIRL++; Christiana Adigun Yumna Anwar Sagri Raju	49 0	153 0	0 0	0 2	0 0	0 0	2	202	9

UMNDU RUNTIME TERROR 33 0 273 1 0 0 0 3 0 0 0 0 2 326 10
Eric Fracek
Xing Jian Ye

LKSSU THE LPV IS NO LONGER IN SERVICE
 70 0 280 0 0 0 0 4 0 1 0 0 2 350 11
Daniel Foix
Scott Smith
Mary Sonnabend

LKSSU LPV CACHE MISS...AGAIN
 51 1 250 2 0 0 0 0 0 1 0 0 2 361 12
Lindsey McCullough
Matt Zahara

MITEC FOX NEWS 92 1 284 4 0 0 0 0 0 0 0 0 2 476 13
Devin Farmer
Zachary Noel

MITEC THE NEW JUSTICE TEAM 254 1 197 1 0 0 0 1 0 0 0 0 2 491 14
Peter Evans
Cecil Hubbard
Meagan Pothoven

BAYDN BAY TEAM 68 1 0 0 0 2 0 0 0 0 0 0 1 88 15
Rosalea Coyle
Nick Folcik
Rosalea Coyle

MITEC THE WONG CITY BUGGALOS
 120 1 0 0 0 0 0 1 0 0 0 0 1 140 16
Zong Deng
Matias Hajdinjak
Michael Romero

NMICH BIRD-BOMBERS 138 1 0 0 0 0 0 0 0 6 0 0 1 158 17
Casey Bossert
Ryan Frazier
Jon Lefler

UMNDU BULLDOGBYTERS 0 2 0 0 0 0 0 2 0 0 0 0 0 0 18
Dale Dowling
Manaswi Mannem
Mahsa Soufineyestani

Totals on each problem
Problem 1: 17 teams
Problem 2: 14 teams
Problem 3: 1 team
Problem 4: 6 teams
Problem 5: 1 team
Problem 6: 4 teams

The three highest-ranking teams from each school had their program counts and completion times summed. The schools were ranked with regard to the highest program count, with ties broken in favor of smaller completion times.

SCHOOL RANKING

Sch	CT	MI	RK
Northern Michigan University THE IMMUTABLES BISTROMATHICS LONERS	12	1306	1
Lake Superior State University YOUNG EINSTEIN THE LPV IS NO LONGER IN SERVICE LPV CACHE MISS...AGAIN	8	1340	2
Michigan Technological University FAST BOGOSORT FOX NEWS THE NEW JUSTICE TEAM	7	1292	3
Algoma University TOXIC & USELESS YIKES	5	680	4
University of Minnesota--Duluth GIRL++; RUNTIME TERROR BULLDOGBYTERS	4	528	5
University of Debrecen RUBIK'S REVENGE	4	670	6
Bay De Noc Community College BAY TEAM	1	88	7