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Solvers and proposers appearing in Volume 47, Issues 1-2

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Proposers - individuals

George Apostolopoulos, Messolonghi, Greece	4557
Michel Bataille, Rouen, France	4551, 4561
Alijadallah Belabess, Morocco	4564
Mihaela Berindeanu, Bucharest, Romania	4560
Paul Bracken, Edinburg, TX, USA	4567
Anupam Datta, Chennai Mathematical Institute, India	4552
J. Chris Fisher, University of Regina, SK, Canada	4566
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4555, 4568
Nguyen Viet Hung, Hanoi University of Science, Vietnam	4569
John McLoughlin, University of New Brunswick, NB, Canada	MA58
Pericles Papadopoulos, Athens, Greece	4562
Lorian Saceanu, Harstad, Norway	4556, 4570
Daniel Sitaru, Drobeta Turnu Severin, Romania	4553, 4565
George Stoica, Saint John, NB, Canada	4554, 4563
Nho Nguyen Van, Vietnam	4559

Proposers - collaborations

Thanos Kalogerakis, Greece; Leonard Giugiuc, Drobeta Turnu Severin, Romania; Kadir Altintas, Emirdağ, Turkey	4558
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Solvers - individuals

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Serdar Altuntas, Hochschule Ruhrwest, Mlheim (Ruhr), Germany	MA84
Devis Alvarado, Tegucigalpa, Honduras	4553, 4559
Miguel Amengual Covas, Cala Figuera, Mallorca, Spain	OC491
Panagiotis Antonopoulos, Thebes, Greece	4562, OC491, OC493, OC495
George Apostolopoulos, Messolonghi, Greece	4557
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	MA84
Roy Barbara, Lebanese University, Fanar, Lebanon	4552, 4553, 4554, 4559, OC486, OC487, OC488, OC490, OC493, OC494, OC495
Amit Kumar Basistha, Anundoram Borooah Academy, Pathsala, India	MA76, MA77, MA78, MA81, MA82, OC488
Michel Bataille, Rouen, France	4553, 4554 , 4556, 4557, 4558, 4559 , 4560, 4561, 4562, 4567, 4569
Brian D. Beasley, Presbyterian College, Clinton, USA	4569
Alijadallah Belabess, Morocco	4564
Lorenzo Benedetti, Genoa, Italy	MA75, MA77 , MA78, OC490
Mihaela Berindeanu, Bucharest, Romania	4560
Vincent Blevins, Missouri State University, MS, USA	4554, MA76
Paul Bracken, Edinburg, TX, USA	4568
Brian Bradie, Christopher Newport University, VA, USA	4553, 4567
Scott Brown, Montgomery, AL, United States	4557
Mihai Bunget, National College Tudor Vladimirescu Bucharest, Romania	4554, 4569
Vincent Chan, Renert School, Calgary, AB, Canada	4553, OC495

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Prithwjit De, Homi Bhabha Centre for Science Education, Mumbai, India	4560, 4562, OC489, OC491, OC495
Soumyaprabha Dey, KTPP High School, Kolkata, India	OC491, OC493
Charles Diminnie, Angelo State University, San Angelo, TX, USA	4559
Ivko Dimitrić, Pennsylvania State University, Fayette, PA, USA	4553, 4560, 4562, 4569, OC489, OC491, OC495
Celal Ersoy, Adyaman High School, Adyaman, Turkey	4557
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Dmitry Fleischman, Santa Monica, CA, USA	4554 , MA76, MA77, MA78, MA79, MA80, OC486 , OC487
Noah Garson, University of Victoria, Victoria, BC, Canada	OC495
Subhankar Gayen, Haldia, West Bengal, India	4557, 4565
Oliver Geupel, Brühl, NRW, Germany	4551 , 4553, 4554, 4557, 4559 , OC486, OC487, OC490 , OC491, OC493 , OC495,
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4555, 4564
Marie-Nicole Gras, Le Bourg d'Oisans, France	4551 , 4552, 4553, 4555, 4556, 4557 , 4558, 4559 , 4560, 4562, 4564, 4565, 4566 , 4567, 4569
Richard Hess, Rancho Palos Verdes, CA, USA	4553, 4559 , MA76, MA77, MA78, MA80, MA81, MA82, MA83, MA84, MA85

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Walther Janous, Innsbruck, Austria	4551 , 4553, 4554 , 4557 (2 solutions), 4558, 4559, 4560, 4562, 4564, 4565, 4567, 4569, 4570
Lianjun Jiang, Quanzhou NO.2 Middle School, Guilin, China	4557
Praneetha Kalbavi, Center For Learning PU College, Magalore, India	OC487
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Kee-Wai Lau, Hong Kong, China	4553, 4554, 4558, 4569
Kathleen Lewis, University of the Gambia, Brikama, Republic of the Gambia	OC495
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Carl Libis, Columbia Southern University, Orange Beach, AL, USA	4559 , OC495
Ethan Lynch, Missouri State University, MS, USA	MA76
Corneliu Manescu-Avram, Ploiesti, Romania	4553, 4569, MA76 , MA77 , MA78, MA79, MA80, MA81, MA82, MA83 , MA84 , OC486, OC487, OC489, OC490, OC491, OC493, OC494 , OC495
Ronald Martins, Brasília, Brazil	MA76, MA77, MA78, MA80 , OC486
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Jaimin Patel, Ahmedabad, India	MA78
Tejash Patel, Patan, India	MA78, MA79, MA81, MA84
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Divyanshu Ranjan, Bengaluru, India	4553
Zoltan Retkes Barwell, UK	4553, 4554 , 4557, 4559, 4561, OC487, OC488, OC490
Henry Ricardo, Tappan, NY, USA	MA81
Sorin Rubinescu, Slobozia, Romania	4557, 4560
Sergey Sadv, Moscow, Russia	4556, 4557 (2 solutions), 4558, 4560, 4561, 4562, 4564, 4565 , 4566 , 4567 , 4568, 4569, 4570, OC486, OC487, OC488 , OC489 , OC490, OC491, OC492, OC493, OC494, OC495
Volkhard Schindler, Berlin, Germany	4551, 4553, 4557, 4565
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Sean Stewart, Bomaderry, Australia	4553, 4567
George Stoica, Saint John, New Brunswick, Canada	4554, 4563
Vasile Teodorovici, Ottawa, ON, Canada	OC485
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Alin Popescu and Daniel Văcaru, Pitești, Romania	MA81 , MA84
Missouri State University Problem Solving Group, Springfield, MO, USA	4553, 4559, MA76 (2 solutions), MA78, OC486, OC488
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Michel Bataille, Rouen, France	4584
Mihaela Berindeanu, Bucharest, Romania	4581
Alpaslan Ceran, Ankara, Turkey	4580
J. Chris Fisher, University of Regina, SK, Canada	4573
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4582
Nguyen Viet Hung, Hanoi University of Science, Vietnam	4575, 4586
Veselin Jungić, Simon Fraser University, BC, Canada	4572
Nikolai Osipov, Siberian Federal University, Krasnoyarsk, Russia	4577
Lorian Saceanu, Harstad, Norway	4589
Daniel Sitaru, Drobeta Turnu Severin, Romania	4583
George Stoica, Saint John, NB, Canada	4579, 4585
Kai Wang, California, USA	4587

Proposers - collaborations

Dao Thanh Oai, Kien Xuong, Thai Binh, Viet Nam Leonard Giugiuc, Drobeta Turnu Severin, Romania	4576
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Miguel Amengual Covas, Cala Figuera, Mallorca, Spain	4580, OC503
Panagiotis Antonopoulos, Thebes, Greece	4575, 4580, 4583, 4589, OC496, OC497, OC503
George Apostolopoulos, Messolonghi, Greece	4574, 4590
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4579, 4580, 4587, 4588, 4589, 4590, MA93, MA95
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Amit Kumar Basistha, Anundoram Borooah Academy, Pathsala, India	4586
Aaratrik Basu, Kolkata, India	4580, MA86 , MA90 , OC496
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Brian D. Beasley, Presbyterian College, Clinton, SC, USA	4571, 4572, 4586, 4587
Mihaela Berindeanu, Bucharest, Romania	4581
Paul Bracken, Edinburg, TX, USA	4568 , 4574 , 4580, 4584, 4588 (2 solutions), 4589
Brian Bradie, Christopher Newport University, VA, USA	4574, 4575, 4580 , 4583, 4584, 4587 , OC496
James Brawner, Georgia Southern University, Savannah, GA, USA	4571
Scott Brown, Montgomery, AL, USA	4580
Charles Burnette, Xavier University of Louisiana, New Orleans, LA, USA	4571 , 4572, 4575, 4580, 4583, 4584
Alpaslan Ceran, Ankara, Turkey	4580
Vincent Chan, Renert School, Calgary, AB, Canada	4580

S Chandrasekhar, Chennai, India	4579
Oscar Ciaurri, Universidad de La Rioja, Spain	4575, 4580
Petre Ciobanu, Scoala Gimnaziala "Samuil Micu" SADU, Sibiu, Romania	4574, MA93
Ioan Viorel Codreanu, Satulung Secondary School, Satulung, Maramureş, Romania	4574, 4588
Boris Čolaković, Belgrade, Serbia	4590
Zachary Cormack, Toronto Math Circles, Toronto, ON, Canada	MA86, MA87
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Prithwjit De, Homi Bhabha Centre for Science Education, Mumbai, India	4579 , 4580, 4581, 4586, OC503
William Alexander Digout, River Bourgeois, NS, Canada	MA93 , MA95
Ivko Dimitrić, Pennsylvania State University, Fayette, PA, USA	4571, 4572, 4575, 4576, 4580, 4583, OC496, OC503, OC504
Andrea Fanchini, Cantù, Italy	4581, OC503
Dario Fernandez-Pello, Asturias, Spain	MA93
J. Chris Fisher, Cleveland Heights, OH, USA	4573, 4587
Subhankar Gayen, Haldia, West Bengal, India	4574, 4575, 4580, 4587 , 4589
Oliver Geupel, Brühl, NRW, Germany	4574, 4575, 4576, 4580, 4583, 4584, 4586, 4587, 4588, OC496, OC498, OC499, OC500 , OC504
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4582, 4584, 4585, 4588
Marie-Nicole Gras, Le Bourg d'Oisans, France	4578, 4571, 4572, 4574, 4575, 4576, 4577, 4579, 4580, 4581 , 4582, 4583, 4586, 4587, 4588, 4589, 4590
G. C. Greubel, Newport News, VA, USA	MA93, MA95

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Aditya Gupta, Pune, India	OC497, OC498, OC499
Juan Manuel Hernandez de la Hera, Universidad de Sevilla, Cantillana, Spain	OC496
Richard Hess, Rancho Palos Verdes, CA, USA	4572, 4575, 4580, 4584, 4587 , MA86, MA88 , MA90 , MA91, MA92 , MA93, MA94, OC496, OC497, OC499
Nguyen Viet Hung, Hanoi University of Science, Vietnam	4575, 4586
Eugen Ionascu, Columbus, OH, USA	4578, 4579 , 4580
Nadir Jabbarli, ADA University, Baku, Azerbaijan	OC496
Walther Janous, Innsbruck, Austria	4571, 4572, 4574, 4575, 4576, 4578, 4579, 4580, 4581, 4583, 4584, 4585 , 4586, 4587 , 4588, 4589, 4590
Veselin Jungić, Simon Fraser University, BC, Canada	4572
Karthikeya Kakarlapudi, Vibgyor High Marathahalli, Bangalore, India	OC496
Doddy Kastanya, Toronto, ON, Canada	4580, MA91 , MA93, MA94, MA95, OC496, OC503
Vaclav Konecny, Big Rapids, Michigan, MI, USA	4587
Theo Koupelis, Broward College, FL, USA	4571, 4572, 4573, 4574, 4575, 4576, 4577, 4578, 4579 , 4580, 4581, 4582, 4583, 4584, 4586, 4587 (2 solutions), 4588, 4589, 4590 , OC496, OC497, OC503, OC504
Kee-Wai Lau, Hong Kong, China	4572, 4580, 4584, 4588, 4590
Carl Libis, Columbia Southern University, Orange Beach, AL, USA	4575, OC496
Aravind Mahadevan, Hong Kong	4587

Corneliu Manescu-Avram, Ploiesti, Romania	4579 , 4580, 4586, 4587, MA90, MA93, MA94, MA95, OC496, OC497 , OC503 , OC504
Arkan Manva, Mumbai, India	OC498
Ronald Martins, Brasília, Brazil	4580
Vivek Mehra, Mumbai, India	4580, 4587, 4589
Antoine Mhanna, SRS, Kleiat, Lebanon	4589
Marcilio Miranda, Uninovafapi, Teresina, Piaui, Brazil	4579
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4574, 4581, 4584, 4588, 4589
Nikos Ntorvas, Athens, Greece	4574, 4590
Sonebi Omar, Lycee Technique, Settat, Morocco	OC497
Nikolai Osipov, Siberian Federal University, Krasnoyarsk, Russia	4577
Alexandru Petrescu, Bucharest, Romania	MA91, MA93, MA94
C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4571, 4572, 4575, 4576, 4578, 4579 , 4580, 4581, 4583, 4584, 4585, 4586, 4587, 4588, 4589, OC496, OC498, OC499, OC503, OC504
Zoltan Retkes Barwell, UK	4575, 4580
Henry Ricardo, Tappan, NY, USA	MA93
Muhammad Robith, Muara Badak, Indonesia	4572, 4575, 4583, MA91, MA93, MA94 , MA95, OC496
Sorin Rubinescu, Slobozia, Romania	4581, 4587
Lorian Saceanu, Harstad, Norway	4589
Sergey Sadov, Moscow, Russia	4571, 4572, 4573 , 4574, 4575, 4576, 4577 , 4578, 4579, 4580, 4581 , 4582 , 4584, 4585 , 4586, 4587, 4589, 4590, OC497, OC501 , OC502 , OC503
Cristóbal Sánchez-Rubio, I.B. Penyagolosa, Castellón, Spain	4572

Volkhard Schindler, Berlin, Germany	4572, 4581, 4587, 4590
Joel Schlosberg, Bayside, NY, USA	4572, 4586, 4588, MA90
Daniel Sitaru, Drobeta Turnu Severin, Romania	4583
Digby Smith, Mount Royal University, Calgary, AB, Canada	4580, 4588, MA90
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Random Solver	OC500
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George Stoica, Saint John, New Brunswick, Canada	4579, 4585
Vasile Teodorovici, Ottawa, ON, Canada	OC496
Shrinivas Udpikar, Formerly of Sir Parashurambhau College, Pune, India	4571, 4580
Daniel Văcaru, Pitești, Romania	4575, 4579 , OC496, OC497
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Todor Zaharinov, Sofia, Bulgaria	OC503
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UCLan Cyprus Problem Solving Group, Pyla, Cyprus	4572, 4574 , 4575, 4576 , 4578 , 4579 , 4580, 4581, 4582 , 4583, 4584 , 4585 , 4586, 4587, 4588, 4589, 4590, OC496, OC497, OC498, OC499 , OC500, OC501, OC502 , OC503 , OC504

Solvers and proposers appearing in Volume 47, Issues 5-6

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Proposers - individuals

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Michel Bataille, Rouen, France	4647
Mihaela Berindeanu, Bucharest, Romania	4644, 4649, 4651, 4658
Daniel Brin, Adlai E. Stevenson High School, Lincolnshire, Illinois, USA	4655
Adam L. Bruce, University of Michigan, Dexter, USA	4642
Nguyen Viet Hung, Hanoi University of Science, Vietnam	4643, 4652
Corneliu Manescu-Avram, Ploiesti, Romania	4648
Tien Nguyen, Ha Noi, Vietnam	4659
Roberto F. Stöckli, Buenos Aires, Argentina	4650
George Stoica, Saint John, NB, Canada	4657
Thanh Tung Vu, Hanoi, Vietnam	4660
Abdollah Zohrabi, Iran	4656

Proposers - collaborations

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Leonard Giugiuc, Drobeta Turnu Severin, Romania; Bogdan Suceava, Romania	4645

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Garcia Antonio, Lycee, France	4606, 4607
Panagiotis Antonopoulos, Thebes, Greece	4591, 4593, 4597, 4599
George Apostolopoulos, Messolonghi, Greece	4597, 4609
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4593, 4596, 4602, 4603, 4604, MA096, MA098, MA104
Pashmfrosh Aydin, Ahvaz, Iran	MA097
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Ted Barbeau, Maberly, ON	4607
Ricardo Barroso Campos, University of Seville, Seville, Spain	4591
Michel Bataille, Rouen, France	4591 , 4592, 4593, 4594, 4595, 4596, 4597, 4598, 4602, 4603, 4604, 4605 , 4606, 4607 , 4608, 4609
Brian D. Beasley, Presbyterian College, Clinton, USA	4610
Mihaela Berindeanu, Bucharest, Romania	4601
Abhijit Bhattacharjee, Banaras Hindu University, Kolkata, India	4593
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Abdallah Bouzar, Aulnay sous bois	4602
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Brian Bradie, Christopher Newport University, VA, USA	4593, 4595, 4597, 4608
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Quang Anh Dao, Dong Anh, Viet Nam	4606
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Radu Diaconu, University Lucian Blaga, Sibiu, Romania	4593
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Ivko Dimitrić, Pennsylvania State University, Fayette, PA, USA	4591, 4593, 4599, 4602, 4603 (2 solutions), 4604
Fahreezan Sheraz Diyaldin, Sleman, Indonesia	4593, 4597
Subhankar Gayen, Haldia, West Bengal, India	4597, 4602, 4604, 4609
Oliver Geupel, Brühl, NRW, Germany	4595, 4597, 4602, OC507, OC510 , OC511 , OC512, OC513 , OC515
Samuel Gómez García, student of Universidad de Granada, Spain	4608
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Aditya Gupta, Pune, India	OC510
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Doddy Kastanya, Toronto, ON, Canada	MA096, MA097, MA098 , MA099 , MA103
Parviz Khalili, Newport News, Virginia, USA	4596, 4602
Theo Koupelis, Broward College, FL USA	4591, 4592, 4593, 4594, 4595, 4596, 4597 , 4598 , 4599, 4600 , 4602, 4603, 4604, 4606 , 4608, 4609, 4610, OC506, OC507, OC508, OC513, OC514, OC515
Kee-Wai Lau, Hong Kong, China	4593, 4596, 4597, 4604, 4608
Aravind Mahadevan, Hong Kong	4602, 4604
Corneliu Manescu-Avram, Ploiesti, Romania	4592, 4593 , 4594, 4596, 4597, 4599, 4602, 4603, 4604, 4608, MA096, MA100, MA102, MA103, MA104, OC507, OC508 , OC509 , OC510, OC511, OC513, OC514
Vinicius Marcondes Pereira, UFSC, Brazil	4593
Antoine Mathieu, Belgium	MA096
Vivek Mehra, Mumbai, India	4596, 4602 (2 solutions), 4608 (2 solutions), 4609 (2 solutions), 4596 (20 solutions!)
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4592, 4595, 4597, 4599, 4604, 4610
Albert Natian, Los Angeles Valley College, Valley Glen	4599, 4610
Sonebi Omar, Lycee Technique, Settat, Morocco	4595, 4598
Pericles Papadopoulos, Athens, Greece	4591
Taes Padhiary, Disha Delphi Public School, Kota, India	MA097, MA100, MA101, MA102 , MA103, MA104 , MA105, OC507, OC508 , OC511, OC512, OC513, OC514

Jaimin Patel, Ahmedabad, India	4594
Minh Trí Pham, Vo Thi Sau Secondary School, Viet Nam	4597
Ángel Plaza, University of Las Palmas de Gran Canaria, Spain	4597 , 4608
C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4591, 4592, 4593, 4594, 4595, 4596, 4597, 4598, 4599, 4602, 4603, 4604, 4607, 4608, 4609, OC506, OC513, OC515
Zoltan Retkes Barwell, UK	4595, 4598, 4604, 4608
Muhammad Robith, Muara Badak, Indonesia	MA096, MA100 , MA102, MA105, OC515
Sergey Sadov, Moscow, Russia	4591, 4592 , 4593, 4594, 4595, 4596, 4597, 4598, 4599, 4600 , 4601, 4602, 4603, 4604, 4605 , 4606, 4607 , 4608, 4609, 4610 , OC507, OC508, OC509 , OC510, OC513
Navid Safaei, Sharif University of Technology, Tehran, Iran	4607
Junior Osman Santos Martins, Université Libre de Bruxelles, Belgium	4593
Volkhard Schindler, Berlin, Germany	4591, 4603
Daniel Sitaru, Drobeta Turnu Severin, Romania	4602, 4604
Semen Słobodianiuk, University of Warsaw, Poland	4600
Digby Smith, Mount Royal University, Calgary, AB, Canada	4593, 4599, 4604, 4608
Jason Smith, Richland Community College, Decatur, IL, USA	OC506
Florin Stanescu, Serban Cioculescu school, Romania	4608
Seán Stewart, Bomaderry, Australia	4595, 4608
George Stoica, Saint John, New Brunswick, Canada	4598, 4605
Vasile Teodorovici, Ottawa, ON, Canada	4593
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Schindler Volkhard, Berlin, Germany	4594, 4596
Shenghui Yang, Wolfram Research Inc, Illinois, USA	OC514
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HyunBin Yoo, South Korea	4593, 4599, MA096, MA100
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Eagle Problem Solvers, Georgia Southern University	4593, 4595, 4597, 4599, 4610
Justin Hoang and David Krebes, Calgary, AB	MA101, MA102, MA103, MA104, MA105
Math Academy for Students, Stara Zagora, Bulgaria	4604
Chudamani Pranesachar and Anil Kumar, Harish-Chandra Research Institute, India	OC514
Missouri State University Problem Solving Group, Springfield, MO, USA	4607, MA101 , MA102, MA105, OC511
UCLan Cyprus Problem Solving Group, Pyla, Cyprus	4591, 4592, 4593, 4594, 4595, 4596, 4597, 4598, 4599, 4600, 4601, 4602, 4603, 4604 , 4605 , 4606, 4607 , 4608, 4609, 4610, OC507, OC508, OC509, OC510, OC511, OC512 , OC513, OC514 , OC515