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Solvers and proposers appearing in Volume 48, Issues 1-2

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Proposers - individuals

Zohrabi Abdollah, Iran	4656
George Apostolopoulos, Messolonghi, Greece	4653
Michel Bataille, Rouen, France	4651, 4662, 4663
Mihaela Berindeanu, Bucharest, Romania	4658, 4661
Daniel Brin, Adlai E. Stevenson High School, Lincolnshire, Illinois	4655
Jiahao Chen, Tsinghua University, Beijing, China	4668
Goran Conar, Varaždin, Croatia	4667
Vijay Dasari, Student of Grade 10, Bangalore, India	4663
Luu Dong, Hanoi University of Education Hanoi Viet Nam	4666
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4654
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4652, 4670
Tien Nguyen, Hanoi, Vietnam	4659
Lorian Saceanu, Harstad, Norway	4664
Daniel Sitaru, Drobeta Turnu Severin, Romania	4665
George Stoica, Saint John, NB, Canada	4657
Warut Suksompong, Stanford University, Stanford, CA, USA	4669
Thanh Tung Vu, Hanoi, Viet Nam	4660

Solvers - individuals

Zohrabi Abdollah, Iran	4656
Anay Aggarwal	4664
Arkady Alt, San Jose, CA, USA	4653, 4654
Devis Alvarado, Tegucigalpa, Honduras	4662 , 4665, 4667
Miguel Amengual Covas, Cala Figuera, Mallorca, Spain	4661 MA129 , MA134, OC536, OC537
George Apostolopoulos, Messolonghi, Greece	4653
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4653, 4658, 4663, MA127, MA132, MA133, MA135
Mohammad Bakkar, Tishreen University, Latakia, Syria	MA132 , OC541
Roy Barbara, Lebanese University, Fanar, Lebanon	4651, 4659, 4662 , MA130, OC542, OC543
Amit Kumar Basistha, Anundoram Borooah Academy, Pathsala, India	4657 , 4659, OC542, OC545
Michel Bataille, Rouen, France	4651, 4652, 4653, 4656, 4658, 4659 (2 solutions), 4661 , 4665, 4666, 4667, 4670 , OC536, OC541 , OC544 , OC545
Brian D. Beasley, Presbyterian College, Clinton, SC, USA	4652, 4659, 4662 , OC537
Mohamed Amine Ben Ajiba, Mohammadia School of Engineering-Morocco, Tangier, Morocco	4653, 4654, 4663 , 4665, 4667, 4670
Mihaela Berindeanu, Bucharest, Romania	4658
Angel Bernuy, Instituto de Matematica Pura e Aplicada Lima, Peru	4657 , OC537
Alexander Bloom, Sega Math Academy, Stanford, CA, USA	MA126 , MA127, MA128, MA129, MA130
Paul Bracken, Edinburg, TX, USA	4665

Brian Bradie, Christopher Newport University, VA, USA	4656 , 4659, 4665 , 4667, 4670 OC536, OC539
Benjamin Braiman University of Wisconsin - Madison, Madison, WI, USA	4665, 4667, OC539
Jiahao Chen, Tsinghua University, Beijing, China	4668
Petre Ciobanu, Scoala Gimnaziala "Samuil Micu" SADU, Sibiu, Romania	MA127
Ioan Viorel Codreanu, Satulung Secondary School, Satulung, Maramureş, Romania	4653, 4654, 4667, MA130
Boris Čolaković, Belgrade, Serbia	4653, 4656
Goran Conar, Varaždin, Croatia	4667
Vijay Dasari, Student of Grade 10, Bangalore, India	4663
Prithwiji De, Homi Bhabha Centre for Science Education, Mumbai, India	4656, 4658, 4661 , 4664, 4665, 4666, 4667, MA131, MA132, MA133, OC536, OC537, OC541
Ivko Dimitrić, Pennsylvania State University, Fayette, PA, USA	OC536
Luu Dong, Hanoi University of Education, Hanoi, Viet Nam	4666
Andrea Fanchini, Cantù, Italy	4666
Jason Fang, Prince of Wales Secondary, Vancouver, Canada	4666
Giuseppe Fera, Vicenza, Italy	4652 , 4653, 4659
Emilio Fernandez, University of La Rioja, Logroño, Spain	4665, 4667, 4670
Dario Fernandez-Pello, Asturias, Spain	OC536
Antonio Garcia, France	4656, 4670
Subhankar Gayen, Haldia, West Bengal, India	4670

Oliver Geupel,
Brühl, NRW, Germany

4651, 4662, 4663, 4664, 4665, 4667, 4670, OC536,
OC537, OC538, OC539, OC540, OC541, **OC542**,
OC543, OC544, **OC545**

Leonard Giugiuc, Drobeta Turnu Severin, Romania	4654
Marie-Nicole Gras, Le Bourg d'Oisans, France	4652, 4653, 4654, 4656, 4658, 4659, 4661, 4662 , 4663, 4664, 4666, 4667, 4668 , 4670
G. C. Greubel, Newport News, VA, USA	MA132, MA133
Ashley Herbig, Christopher Newport University, Newport News, VA, USA	MA126, MA129
Richard Hess, Rancho Palos Verdes, CA, USA	4659, 4665, MA126, MA128, MA130 , MA131, MA132, MA133, MA135, OC536, OC542
Aaron Huang, R. C. Palmer Secondary School, Richmond, Canada	MA131, MA132, MA133, MA134, MA135
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4652, 4663, 4670
Vitthal Ingle, India	MA129, MA133, MA135
Eugen Ionascu, Columbus, OH, USA	4651, 4659, 4661, 4662 , 4666
Mara-Ioana Isfan, Fnelon, Clermont-Ferrand, France	MA133
Walther Janous, Innsbruck, Austria	4652, 4653, 4654, 4658, 4659, 4660, 4661, 4662, 4663, 4664, 4665, 4666, 4667
Piyush Kumar Jha, Rishabh Public School, Delhi, India	OC545
Borche Joshevski, Vasil Antevski - Dren Secondary School of Economics and Law, Skopje, Macedonia	4651 , 4652, 4654, 4656, 4657 , 4658, 4659
Doddy Kastanya, Toronto, ON, Canada	MA127
Parviz Khalili, Newport News, VA, USA	4653, 4663, 4670
Emil Khalilov, Baku, Azerbaijan	4654, 4656
Theo Koupelis, Broward College, FL, USA	4651 , 4652, 4653, 4656, 4658, 4661, 4662, 4663, 4664, 4665, 4666, 4667, 4668, 4670 (2 solutions), OC536, OC537, OC538 , OC539, OC540, OC541, OC545

Zoltn Kovcs, The Private University College of Education of the Diocese of Li, Linz, Austria	OC541
Kee-Wai Lau, Hong Kong, China	4652, 4653, 4665
Kathleen Lewis, University of the Gambia, Brikama, Republic of the Gambia	4657, OC543
Aravind Mahadevan, Hong Kong	MA133
Corneliu Manescu-Avram, Ploiesti, Romania	4653, 4656, 4657 , 4658, 4661, 4662 , 4663, 4670, MA127, MA130, MA131, MA132, MA133 OC536, OC538, OC541, OC544 , OC545
Vivek Mehra, Mumbai, India	4652, 4656, 4653 (22 solutions), 4654 (2 solutions), 4658, 4667
Antoine Mhanna, SRS, Kleiat, Lebanon	4656, 4663
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4657 , 4659, 4665
Angel Napa Bernuy, Impa, Lima, Peru	OC536
Huy Hoang Nguyen, Binh Dinh, Vietnam	4652, 4659, OC536
Tien Nguyen, Hanoi, Vietnam	4659
Sonebi Omar, Lycee Technique, Settat, Morroco	4659, OC540
Theoklitos Paragiou, Laniteio High School, Limassol, Cyprus	4661, 4663, 4664, 4665
Xicheng Peng, Central ChiCentral China Normal University, Wuhan, China	4661
Didier Pinchon, Toulouse, France	4651, 4652 , 4656, 4657 , 4658, 4659
Ángel Plaza, University of Las Palmas de Gran Canaria, Spain	4665, 4667
C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4661, 4662 , 4663, 4664, 4665, 4666, 4668, 4670, OC541, OC542, OC544, OC545
Henry Ricardo, Tappan, NY, USA	MA127

Muhammad Robith, Muara Badak, Indonesia	MA127
Sorin Rubinescu, Slobozia, Romania	4652 , 4653, 4657
Lorian Saceanu, Harstad, Norway	4664
Cristóbal Sánchez-Rubio, I.B. Penyagolosa, Castellón, Spain	4666
Volkhard Schindler, Berlin, Germany	4653, 4661
Joel Schlosberg, Bayside, NY, USA	4659, MA130, OC536
Emilian Segă, Monta Vista High School, Cupertino, CA, USA	MA126, MA127, MA130
Daniel Sitaru, Drobeta Turnu Severin, Romania	4665
Digby Smith, Mount Royal University, Calgary, AB, Canada	4662, MA127, MA131 , MA134, MA135, OC543, OC544, OC545
Jason Smith, Richland Community College, Decatur, IL, USA	4665
Vishak Srikanth, Stanford Online High School, Sunnyvale, CA, USA	MA127, MA128 , MA130
Sean M. Stewart, Bomaderry, Australia	4665
Warut Suksompong, Stanford University, Stanford, CA, USA	4669
Vasile Teodorovici, Ottawa, ON, Canada	OC536, OC545
Daniel Văcaru, Pitești, Romania	4653, 4656, 4657 , 4667, MA127, MA128, MA130, MA131, MA132, 4665, OC536, OC538
Bala Venkataraman, Math Circles, Toronto, ON, Canada	MA131, MA133
Florentin Vișescu, C. N. Mihai Eminescu, București, Romania	4665
Konstantine Zelator, University of Pittsburgh, Pittsburgh, PA, USA	MA127, MA131, MA132, MA133, OC536
Titu Zvonaru, Comănești, Romania	4656
Math Academy for Students, Stara Zagora, Bulgaria	4663

Solvers - collaborations

Eagle Problem Solvers, Georgia Southern University, Statesboro, GA, USA	4665
Morgan Orr, Ashley Herbig, Eli Lutz, Christopher Newport University, Newport News, VA, USA	MA127
Raymond Mortini, Universit de Lorraine, Metz, France Rudolf Rupp, TH Nurnberg, Germany	4657
Missouri State University Problem Solving Group, Springfield, MO, USA	4657 , 4659, MA130, OC536, OC539, OC540
UCLan Cyprus Problem Solving Group, Pyla, Cyprus	4652, 4653, 4656, 4657 , 4658 , 4659 , 4660 , 4661, 4662, 4663, 4664, 4665 , 4666, 4667, 4668, 4669 , OC536, OC537, OC538, OC539, OC540 , OC541 , OC542 , OC543, OC544, OC545

Solvers and proposers appearing in Volume 48, Issues 3-4

(Bold font indicates featured solution.)

Proposers - individuals

Zohrabi Abdollah, Iran	4685
George Apostolopoulos, Messolonghi, Greece	4675
Michel Bataille, Rouen, France	4671, 4674, 4678, 4681, 4687
Mihaela Berindeanu, Bucharest, Romania	4688
Paul Bracken, Edinburg, TX, USA	4687
Goran Conar, Varaždin, Croatia	4682
Alin Creu, coala Gimnazial Borscu, Turceni, Romania	4684
Ovidiu Furdui, Technical University of Cluj-Napoca, Romania	4687
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4690
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4672, 4686
Pericles Papadopoulos, Athens, Greece	4680
Lorian Saceanu, Harstad, Norway	4676
Daniel Sitaru, Drobeta Turnu Severin, Romania	4679, 4689
Sean M. Stewart, Bomaderry, Australia	4677
Warut Suksompong, Stanford University, Stanford, CA, USA	4683
Todor Zaharinov, Sofia, Bulgaria	4673

Solvers - individuals

Zohrabi Abdollah, Iran	4685
Arkady Alt, San Jose, CA, USA	4672, 4675, 4679
Miguel Amengual Covas, Cala Figuera, Mallorca, Spain	MA137, OC547, OC549, OC554
Jean-Claude Andrieux, Beaune, France	OC554
George Apostolopoulos, Messolonghi, Greece	4675
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4675 , MA137, MA142, MA143, MA145
Roy Barbara, Lebanese University, Fanar, Lebanon	4682 , 4688, 4690, OC546, OC550, OC552, OC553
Amit Kumar Basistha, Anundoram Borooah Academy, Pathsala, India	4683 , OC546
Michel Bataille, Rouen, France	4671 , 4672 , 4673 , 4674 , 4675, 4676, 4679, 4680 , 4681, 4682, 4684, 4688, 4689, 4690
Brian D. Beasley, Presbyterian College, Clinton, SC, USA	4679, 4682
Mihaela Berindeanu, Bucharest, Romania	4688
Paul Bracken, Edinburg, TX, USA	4675, 4678, 4681, 4684
Brian Bradie, Christopher Newport University, VA, USA	4677 , 4678, 4679, 4681, 4687
James Brawner, Georgia Southern University, Savannah, GA, USA	4682, 4684, 4685, 4689
Ioan Viorel Codreanu, Satulung Secondary School, Satulung, Maramureş, Romania	4675 (3 solutions)
Boris Čolaković, Belgrade, Serbia	4672, 4675, 4689
Goran Conar, Varaždin, Croatia	4675, 4682, 4689
Alin Creu, coala Gimnazial Borscu, Turceni, Romnia	4684
Prithwiji De, Homi Bhabha Centre for Science Education, Mumbai, India	4671 , 4672, 4676, 4680 , 4684, 4688, MA136 , MA137, MA142, MA145, OC551, OC554

Charles Diminnie, Angelo State University, San Angelo, TX, USA	4689
Ivko Dimitrić, Pennsylvania State University, Fayette, PA, USA	4682, 4688, OC551, OC554
Jason Fang, Prince of Wales Secondary, Vancouver, Canada	4680
Ferdi, Hasanuddin University, Indonesia	4682
Dario Fernandez-Pello, Asturias, Spain	OC552
Emilio Fernandez, University of La Rioja, Logroño, Spain	4677, 4681, 4687
J. Chris Fisher, Cleveland Heights, OH, USA	4673
Jing Fu, TianJin, China	MA145
Ovidiu Furdui, Technical University of Cluj-Napoca, Romania	4687
Antonio Garcia, France	4686
Subhankar Gayen, Haldia, West Bengal, India	4675
Oliver Geupel, Brühl, NRW, Germany	4672, 4673, 4674 , 4675, 4676, 4679, 4682 , 4683 , 4685, 4686 , 4689 , 4690, OC548, OC549, OC551 , OC553, OC555
Leonard Giugiuc, Drobeta Turnu Severin, Romania	4690
Marie-Nicole Gras, Le Bourg d'Oisans, France	4671 , 4672, 4673, 4675, 4676, 4679, 4680 , 4681, 4682, 4684, 4685, 4686, 4687, 4688, 4689, 4690
G. C. Greubel, Newport News, VA, USA	4678, 4687
Hardik Haloi, Guwahati, India	MA143
Rugiyya Hassanova, ADA university, Baku, Azerbaijan	OC550
Richard Hess, Rancho Palos Verdes, CA, USA	4679, 4682, 4685, 4689, MA136, MA139, MA142 , MA143, MA144, OC548
Zhihua Hong, Secret Garden of Math, Suzhou, China	MA145

David Huckaby, Angelo State University, San Angelo, USA	4688
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4672, 4686
Eugen Ionascu, Columbus, OH, USA	4675, 4678
Walther Janous, Innsbruck, Austria	4671, 4672, 4673, 4676, 4677, 4678, 4679, 4680, 4681, 4682 , 4683, 4687, 4688, 4689, 4690
Lianjun Jiang, Quanzhou NO.2 Middle School, Guilin, China	MA140
Mihir Kaskhedikar, IIT Delhi, Mumbai, India	4685, 4688, OC555
Doddy Kastanya, Toronto, ON, Canada	MA137, MA142, MA143
Theo Koupelis, Broward College, FL, USA	4671 , 4672, 4673, 4675 (2 solutions), 4676, 4677, 4678, 4679, 4680, 4681, 4682, 4684, 4686, 4687 , 4688 , 4689, 4690, OC546, OC547 , OC548, OC549, OC550 (2 solutions), OC551, OC552, OC553, OC554
David Krebs, Calgary, AB	MA143, MA145
Kee-Wai Lau, Hong Kong, China	4675, 4677, 4684, 4687, 4688, 4690
Michael Lin, New York, NY, USA	MA141, MA142, MA143, MA145, OC551, OC553, OC554
Alejandro Lpez Bergasa, Escuela Teresiana, Las Palmas de Gran Canaria, Spain	MA142
Aravind Mahadevan, Hong Kong	4685, 4688, MA137, MA143, OC550
David E. Manes, SUNY at Oneonta, Oneonta, NY, USA	OC546
Corneliu Manescu-Avram, Ploiesti, Romania	4675, 4676, 4679, 4680, 4684, 4688, MA136, MA139 , MA140, MA141, MA143, MA145, OC546, OC547, OC548, OC549, OC550, OC554
Vivek Mehra, Mumbai, India	4681 (2 solutions), 4682 (2 solutions), 4686 (2 so- lutions), 4689 (2 solutions), 4690, OC546, OC547 (2 solutions), OC550 (3 solutions), OC553 (2 solu- tions)

David Miller, Queens College, Flushing, New York, USA	MA141
Anurag Mitra, Woodward Academy, Atlanta, USA	4689, MA142, MA143, OC553
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4684, 4685, 4688
Nikos Ntorvas, Athens, Greece	4675
Sonebi Omar, Lycee Technique, Settat, Morocco	4682, OC553
Pericles Papadopoulos, Athens, Greece	4672
Theoklitos Paragiou, Laniteio High School, Limassol, Cyprus	4672, 4673, 4675, 4676
Jaimin Patel, Ahmedabad, India	OC549
Ion Patrascu, Colegiul National "Fratii Buzesti", Craiova, Romania	4684
Xicheng Peng, Central ChiCentral China Normal University, Wuhan, China	4688
Didier Pinchon, Toulouse, France	4677, 4681, 4682 , 4684 , 4687, 4688, 4689, 4690
C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4671 , 4672, 4673, 4674, 4675, 4676, 4677, 4678, 4679, 4680, 4681, 4682, 4683, 4684, 4688, 4690 , OC546, OC547, OC548, OC549, OC550, OC551, OC553, OC554
Cao Minh Quang, Nguyen Binh Khiem High School, Vietnam	4308, 4675
Henry Ricardo, Tappan, NY, USA	MA143
Dominyka Rynkeviit, Vilniaus licjus, Vilnius, Lithuania	MA142, MA143, MA144
Lorian Saceanu, Harstad, Norway	4676
Cristóbal Sánchez-Rubio, I.B. Penyagolosa, Castellón, Spain	4676
Akhil Sankar, Rivers International School Arnhem, Arnhem, Netherlands	MA143
Volkhard Schindler, Berlin, Germany	4684

Vishwesh Shrimali, India	MA136, MA137, MA139, MA141, MA142, MA143, MA145, OC553
Pankaj Sinha, India	MA140
Digby Smith, Mount Royal University, Calgary, AB, Canada	4682, MA136, MA139, MA140 , OC550
Jason Smith, Richland Community College, Decatur, IL, USA	4678
Random Solver	OC550, OC555
Sean M. Stewart, Bomaderry, Australia	4677, 4678, 4687
Mihai-Ioan Stoenescu, Bischwiller, France	4688, OC549
Niyazi Suleymanov, Baku, Azerbaijan	4677
Vasile Teodorovici, Ottawa, ON, Canada	OC549, OC550, OC553, OC554
Ruxandra-Daniela Tonil, Roman, Romania	4679
Daniel Văcaru, Pitești, Romania	MA140, OC547
Bala Venkataraman, Math Circles, Toronto, ON, Canada	MA142, MA143
Florentin Vișescu, C. N. Mihai Eminescu, București, Romania	4679, 4688
Yang Yang, Wolfram Research Inc, Urbana, IL, USA	4672
Zhang Yunyong, Department Of Product, China Unicom Beijing, China	4687
Todor Zaharinov, Sofia, Bulgaria	4673
Konstantine Zelator, University of Pittsburgh, Pittsburgh, PA, USA	MA138 , MA143
Titu Zvonaru, Comănești, Romania	4686 , 4688
Math Academy for Students, Stara Zagora, Bulgaria	4672, 4688

Solvers - collaborations

M. Bello, M. Benito, Ó. Ciaurri, and E. Fernández, Logroño, Spain	MA49
Eagle Problem Solvers, Georgia Southern University, Statesboro, GA, USA	4679
Missouri State University Problem Solving Group, Springfield, MO, USA	MA145, OC553
UCLan Cyprus Problem Solving Group, Pyla, Cyprus	4672, 4673 , 4674, 4675, 4676, 4677, 4678 , 4679, 4680 , 4681, 4682, 4683 , 4684, 4685 , 4686, 4687, 4688, 4689, 4690, OC546, OC547, OC548, OC549 , OC550, OC551, OC552, OC553 , OC554, OC555

Solvers and proposers appearing in Volume 48, Issues 5-6

(Bold font indicates featured solution.)

Proposers - individuals

George Apostolopoulos, Messolonghi, Greece	4695
Michel Bataille, Rouen, France	4691, 4692, 4693, 4701, 4707
Amit Kumar Basistha, Anundoram Borooah Academy, Pathsala, India	4697
Mihaela Berindeanu, Bucharest, Romania	4699
Adarsh Chandrashekar, Kolkata, India	4702
Jiahao Chen, Tsinghua University, Beijing, China	4694, 4703
Goran Conar, Varaždin, Croatia	4698, 4708
Elena Corobea, Technical College Carol I, Constanta, Romania	4696
Thanos Kalogerakis, Kiato, Greece	4706
George Kotsalis, Greece	MA150
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4700, 4705
Ion Patrascu, Colegiul National "Fratii Buzesti", Craiova, Romania	4709
Daniel Sitaru, Drobeta Turnu Severin, Romania	4704
Sonebi Omar, Lycee Technique, Settat, Morroco	4710
Todor Zaharinov, Sofia, Bulgaria	4692

Solvers - individuals

Arkady Alt, San Jose, CA, USA	4692, 4698, 4704, 4705 (3 solutions), OC564
Devis Alvarado, Tegucigalpa, Honduras	4698
Jose Alvarenga, UNAH, Tegucigalpa, Honduras	OC559
Jean-Claude Andrieux, Beaune, France	4694, 4698, 4700, 4705, 4707, OC561, OC563
George Apostolopoulos, Messolonghi, Greece	4695
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4695, 4698, 4700, 4709, MA146, MA148, MA149, MA151, MA152, MA155, OC561
Roy Barbara, Lebanese University, Fanar, Lebanon	4697 , 4700, 4710, OC560, OC564
Amit Kumar Basistha, Anundoram Borooah Academy, Pathsala, India	4698, 4702, 4705, OC558, OC563, OC564
Michel Bataille, Rouen, France	4691, 4693, 4694 , 4695, 4696, 4698, 4699, 4700, 4701 , 4703, 4704, 4705, 4706, 4707, 4709
Brian D. Beasley, Presbyterian College, Clinton, SC, USA	4700 , 4705
Mohamed Amine Ben Ajiba, Mohammadia School of Engineering-Morocco, Tangier, Morocco	4704, 4708, 4709
Mihaela Berindeanu, Bucharest, Romania	4699
Alexander Bloom, Sega Math Academy, Stanford, CA, USA	MA149 , MA150
Paul Bracken, Edinburg, TX, USA	4696, 4698, 4705 (2 solutions)
Brian Bradie, Christopher Newport University, VA, USA	4693, 4696, 4698, 4700 , 4705 (2 solutions), 4707, OC563, OC564
James Brawner, Georgia Southern University, Savannah, GA, USA	4698
Scott Brown, Montgomery, AL, USA	MA155

Jiahao Chen, Tsinghua University, Beijing, China	4694 , 4703
Ioan Viorel Codreanu, Satulung Secondary School, Satulung, Maramureş, Romania	4698
Goran Conar, Varaždin, Croatia	4698, 4705, 4708
Elena Corobea, Technical College Carol I, Constanta, Romania	4696
Nandan Sai Dasireddy, Hyderabad, India	4695
Arnav De, New Delhi, India	MA146, MA147, MA149
Prithwijit De, Homi Bhabha Centre for Science Education, Mumbai, India	4694, 4695 , 4698, 4699, 4700 , 4705, MA146, MA147, MA150, MA152 , MA154 , MA155, OC561, OC564
Charles Diminnie, Angelo State University, San Angelo, TX, USA	4698, 4704, 4705
Ivko Dimitrić, Pennsylvania State University, Fayette, PA, USA	4703 , OC561 , OC563, OC564
Marian Dincă, Bucharest, Romania	4708 (2 solutions), 4709
Rob Downes, Newark Academy, Livingston, NJ, USA	4700
Ferdi, Hasanuddin University, Indonesia	MA149
Emilio Fernandez, University of La Rioja, Logroño, Spain	4693
Florin Anastase, Alexandru Odobescu High School, Lehliu-Gar, Romania	4698, 4704, 4705 (4 solutions), OC564
Noah Garson, University of Victoria, Victoria, BC, Canada	4700, OC564
David Gavrus, Collge Jean-de-Brbeuf, Montreal, Canada	MA146, MA149, MA150
Subhankar Gayen, Haldia, West Bengal, India	4695 , 4700, 4705
Oliver Geupel, Brühl, NRW, Germany	4693, 4694, 4697 , 4699, 4703, 4705, 4707, 4710 , OC559, OC563 , OC564, OC565, OC557

Marie-Nicole Gras, Le Bourg d'Oisans, France	4691, 4692, 4693, 4694, 4695 , 4698, 4699, 4700 , 4701, 4702 , 4703 , 4704, 4705 , 4706, 4707, 4709, 4710
Ashley Herbig, Christopher Newport University, Newport News, VA, USA	OC563
Richard Hess, Rancho Palos Verdes, CA, USA	4710, MA148, MA150, MA151, MA152, MA154, MA155, OC559, OC560, OC562, OC563, OC564, OC565
David Huckaby, Angelo State University, San Angelo, USA	4698, 4700
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4700 , 4705
Eugen Ionascu, Columbus, OH, USA	4697 , 4700, 4702 , 4696
Walther Janous, Innsbruck, Austria	4692, 4693, 4694, 4695, 4696, 4698, 4699, 4700, 4701, 4702 , 4703, 4704, 4705, 4707, 4708
Thanos Kalogerakis, Kiato, Greece	4706
Mihir Kaskhedikar, IIT Delhi, Mumbai, India	4697
Doddy Kastanya, Toronto, ON, Canada	4697, 4700, MA148, MA151, MA152, MA154, MA155
Parviz Khalili, Newport News, VA, USA	4700
Vaclav Konecny, Big Rapids, Michigan, MI, USA	4700
Theo Koupelis, Broward College, FL, USA	4691 , 4692 , 4693, 4694, 4695, 4696, 4698, 4699, 4700 , 4701, 4703, 4704, 4705, 4706, 4707, 4709, OC557 , OC559, OC561, OC562, OC563, OC564, OC565
Kee-Wai Lau, Hong Kong, China	4692, 4694, 4696, 4700, 4705, 4706, 4709
Kathleen Lewis, University of the Gambia, Brikama, Republic of the Gambia	4693
Alejandro Lpez Bergasa, Escuela Teresiana, Las Palmas de Gran Canaria, Spain	MA146, MA148, MA149, OC560

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Aravind Mahadevan, Hong Kong	4700, 4707, MA146, MA147 , MA149, MA150, MA151, MA155, OC561, OC563
Corneliu Manescu-Avram, Ploiesti, Romania	4692, 4693, 4696, 4699, 4700, 4705 (3 solutions), 4707, MA146, MA149, MA151, MA153 , MA155, OC561, OC563, OC564
Vivek Mehra, Mumbai, India	4692, 4693, 4694 (2 solutions), 4695, 4696, 4698, 4700, 4704, 4705 (2 solutions), 4709 (3 solutions), OC563
Bagheri Mehrsa, Farzanegan, Ahvaz, Iran	MA146, MA148
Aris Mercier, University of Warwick, Coventry, United Kingdom	OC564
Valcho Milchev, Bulgaria	OC564
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4692, 4700
Somasundaram Muralidharan, Chennai, India	4693, 4694 , 4700, 4707 (2 solutions), OC560, OC561, OC564
Zlota Nicusor, Focsani, Romania	4696
Sonebi Omar, Lycee Technique, Settat, Morocco	4710
Jaimin Patel, Ahmedabad, India	4700, MA147
Ion Patrascu, Colegiul National "Fratii Buzesti", Craiova, Romania	4709
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Didier Pinchon, Toulouse, France	4692, 4693, 4694, 4696, 4698, 4700, 4704, 4705
Ángel Plaza, University of Las Palmas de Gran Canaria, Spain	4698, OC560

C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4693, 4694, 4695, 4696, 4698, 4699, 4700, 4702 , 4703, 4705 (2 solutions), 4707, 4709, OC559, OC560, OC561, OC563, OC564
Henry Ricardo, Tappan, NY, USA	4698, 4704, 4705 (2 solutions), MA149, MA150 , MA154, MA155 , OC564
Sorin Rubinescu, Slobozia, Romania	4691, 4693, 4695, 4700
Dominyka Rynkeviit, Vilniaus licjus, Vilnius, Lithuania	MA146, MA148, MA151, MA152
Akhil Sankar, Rivers International School Arnhem, Arnhem, Netherlands	MA150
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Vishwesh Shrimali, India	4700, MA146, MA148, MA150, MA154, OC558
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Sean M. Stewart, Bomaderry, Australia	4693 , 4698, 4705, 4707
Mihai-Ioan Stoenescu, Bischwiller, France	4700, OC560, OC561
David Stone, Georgia Southern University, GA, USA	4710
Vasile Teodorovici, Ottawa, ON, Canada	4700, OC561
Ruxandra-Daniela Tonil, Roman, Romania	4705
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Todor Zaharinov, Sofia, Bulgaria	4692
Konstantine Zelator, University of Pittsburgh, Pittsburgh, PA, USA	MA149
Titu Zvonaru, Comănești, Romania	4699 , 4700

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UCLan Cyprus Problem Solving Group, Pyla, Cyprus	4691, 4692, 4693, 4695, 4696, 4697 , 4698, 4699 , 4700, 4701 , 4702 , 4703, 4704, 4705 , 4706 , 4707, 4708, 4709, 4710, OC556 , OC557, OC558, OC559 , OC560, OC561 , OC562 , OC563, OC564, OC565

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Daniel Sitaru, Drobeta Turnu Severin, Romania	4724, 4726
Neculai Stanciu, Buzău, Romania	4719
George Stoica, Saint John, NB, Canada	4715, 4729
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Florin Anastase, Alexandru Odobescu High School, Lehliu-Gar, Romania	4720 (2 solutions), 4724
Jean-Claude Andrieux, Beaune, France	4711
George Apostolopoulos, Messolonghi, Greece	4720, 4722
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4720, 4722, 4728, MA157, MA158, MA160, MA164, MA165, OC569
Mohammad Bakkar, Tishreen University, Latakia, Syria	4728
Roy Barbara, Lebanese University, Fanar, Lebanon	4716, OC566, OC569, OC571, OC572, OC573 , OC574
Michel Bataille, Rouen, France	4711, 4712, 4713, 4717, 4718 , 4719, 4720, 4722, 4723, 4726, 4727, 4730, OC566 , OC568, OC569
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Scott Brown, Montgomery, AL, USA	4716
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Dario Fernandez-Pello, Asturias, Spain	OC571
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Antonio Garcia, France	4720, 4728
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Oliver Geupel, Brühl, NRW, Germany	4711, 4712, 4715 , 4716, 4720, 4722, 4723 , 4727, 4730 , OC569, OC571, OC574
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Marie-Nicole Gras, Le Bourg d'Oisans, France	4711, 4712, 4715, 4716, 4718 , 4719 , 4720, 4722, 4724, 4725, 4726, 4726, 4727, 4730
Greg Dresden, Washington and Lee University, Lexington, VA, USA	4721
Ivan Hadinata, Senior High School 1 Jember, Jember, Indonesia	4730, OC574
Rugiyya Hassanova, ADA university, Baku, Azerbaijan	OC571

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Walther Janous, Innsbruck, Austria	4711, 4712, 4713 , 4714 , 4716, 4717, 4718, 4719, 4721, 4722, 4723, 4725, 4726, 4727, 4730
Doddy Kastanya, Toronto, ON, Canada	MA156, MA157, MA162
Hidefumi Katsuura, San Jose State University, San Jose, CA, USA	4725
Parviz Khalili, Newport News, VA, USA	4722, 4728
Theo Koupelis, Broward College, FL, USA	4711, 4714, 4716, 4720, 4721, 4722, 4723, 4725, 4726, 4727, 4728 , 4730, OC566, OC568, OC569 (2 solutions), OC571
Bijesh Kunnath Sukumaran, Extramarks, Bangalore, India	MA165
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Clarence C. Y. Kwan, McMaster University, Hamilton, ON, Canada	4714 , 4720, 4728
Kee-Wai Lau, Hong Kong, China	4716, 4719, 4720, 4721, 4723, 4725, 4726 , 4727, 4728, 4730
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Aravind Mahadevan, Hong Kong	4716, 4716, MA156 , MA157, MA160, MA164, MA165, OC569, OC571
Javid Mammadzada, ADA University, Baku, Azerbaijan	4722
Corneliu Manescu-Avram, Ploiesti, Romania	4711 , 4716, 4724, MA157, MA158, MA160, OC566, OC568
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Vivek Mehra, Mumbai, India	4711 (2 solutions), 4720 (2 solutions), 4723, 4725 (2 solutions)
Friday Michael, Toronto, Canada	4716
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4711, 4715, 4716, 4722, 4726, 4726
Yashasvi Moon, Missouri State University, Springfield, United States	MA165
Prakash Mulabagal, Pune, India	4711
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Jaimin Patel, Ahmedabad, India	MA160
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Simon Pfeil, Angelo State University, San Angelo, TX, USA	4716
Didier Pinchon, Toulouse, France	4711, 4712, 4713, 4714 , 4715, 4716, 4717, 4718, 4719, 4720, 4721, 4722, 4723, 4724 , 4725, 4726, 4727, 4728, 4730
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C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4711, 4712, 4716, 4718, 4719, 4721, 4722, 4723, 4724, 4726, 4727, 4730, OC568, OC569, OC571, OC574
Cao Minh Quang, Nguyen Binh Khiem High School, Vietnam	4720
Henry Ricardo, Tappan, NY, USA	4720 , 4726, 4727, 4728, OC571
Emilian Segal, Monta Vista High School, Cupertino, CA, USA	4728, MA164, MA165

Ilkin Sharafkhanov, ADA University, 2ex Baku, Azerbaijan	4726
Toyesh Sharma, St. C.F Andrews School, Agra, India	4717
Vishwesh Shrimali, India	MA157 , MA160
Daniel Sitaru, Drobeta Turnu Severin, Romania	4724, 4726
Digby Smith, Mount Royal University, Calgary, AB, Canada	MA156, OC566
Jason Smith, Richland Community College, Decatur, IL, USA	4721, 4726, 4727
Muralidharan Somasundaram, Coimbatore, India	4711
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George Stoica, Saint John, New Brunswick, Canada	4715 , 4729
Emon Suin, Ramakrishna Mission Vidyalaya, Narendrapur, Kolkata, India	OC569
Vasile Teodorovici, Ottawa, ON, Canada	OC569, OC571
Ruxandra-Daniela Tonil, Roman, Romania	4726
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Lan Yu-Jie, Shih Pei Junior High School	MA158, MA160
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Eagle Problem Solvers, Georgia Southern University, Statesboro, GA, USA	4713, 4714, 4716, 4721
Missouri State University Problem Solving Group, Springfield, MO, USA	OC571 , OC574
UCLan Cyprus Problem Solving Group, Pyla, Cyprus	4711, 4712, 4713, 4714 , 4715, 4716, 4717, 4718, 4719 , 4720, 4721, 4722, 4723, 4725, 4726, 4727, 4728 , 4730, OC566, OC567 , OC568 , OC569, OC570 , OC571 , OC572 , OC573, OC574 , OC575

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Michel Bataille, Rouen, France	4731, 4742, 4739
Mihaela Berindeanu, Bucharest, Romania	4738, 4748
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Christian Chiser, College Elena Cuza, Cravlova, Romania	4743
Luu Dong, Hanoi University of Education Hanoi Viet Nam	4733
Olimjon Jalilov, National University of Uzbekistan, Tashkent, Uzbekistan	4744
Clarence C. Y. Kwan, McMaster University, Hamilton, ON, Canada	4749
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4750
Paolo Perfetti, Dipartimento di Matematica, Università degli studi di Tor Vergata Roma, Rome, Italy	4734
Daniel Sitaru, Drobeta Turnu Severin, Romania	4740
Florin Stanescu, Serban Cioculescu school, Romania	4747
George Stoica, Saint John, NB, Canada	4737, 4746
Marius Stănean, Zalău, România	4736, 4745
Florentin Vişescu, C. N. Mihai Eminescu, Bucureşti, Romania	4735

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Miguel Amengual Covas, Cala Figuera, Mallorca, Spain	4738, MA175, OC582
Šefket Arslanagić, University of Sarajevo, Bosnia and Herzegovina	4738, 4739, MA171, MA173, MA174
Farrukh Ataev, Westminster International University in Tashkent, Tashkent, Uzbekistan	MA171, MA172, MA174
Mohammad Bakkar, Tishreen University, Latakia, Syria	4738
Eleni Balta, Chalkida, Greece	MA171, MA172
Roy Barbara, Lebanese University, Fanar, Lebanon	4732, 4735, 4738, OC579, OC581 , OC583
Amit Kumar Basistha, Anundoram Borooh Academy, Pathsala, India	4732, OC581, OC582, OC584
Michel Bataille, Rouen, France	4731, 4739, 4742, 4743, 4747, 4748, 4750, OC577 , OC578 , OC580, OC582 , OC583
Mohamed Amine Ben Ajiba, Mohammadia School of Engineering-Morocco, Tangier, Morocco	4736 , 4739, 4740 , 4743, 4744, 4745, 4747
Mihaela Berindeanu, Bucharest, Romania	4738, 4748
Marco Bertolini,	4732
Paul Bracken, Edinburg, TX, USA	4731 (2 solutions), 4740
Brian Bradie, Christopher Newport University, VA, USA	4731, 4738 , 4739, OC581, OC582, OC583
Scott Brown, Montgomery, AL, USA	MA167, MA171
Christian Chiser, College Elena Cuza, Cravlova, Romania	4743
Eleanor Collins, Christopher Newport University, Newport News, VA, USA	MA171

Prithwijit De, Homi Bhabha Centre for Science Education, Mumbai, India	MA171, MA174
Luu Dong, Hanoi University of Education Hanoi Viet Nam	4733
Giuseppe Fera, Vicenza, Italy	4745
Antonio Garcia, France	OC577, OC578
Oliver Geupel, Brühl, NRW, Germany	4735, 4738, 4748, OC579 , OC581 , OC582
Marie-Nicole Gras, Le Bourg d'Oisans, France	4731, 4732 , 4733, 4735, 4736, 4738, 4739 , 4743, 4746, 4748, 4750
G. C. Greubel, Newport News, VA, USA	4731, 4742, 4746
Ivan Hadinata, Senior High School 1 Jember, Jember, Indonesia	4731, 4733, 4739, 4742, 4745, 4748, OC580, OC583
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Richard Hess, Rancho Palos Verdes, CA, USA	MA166, MA167, MA169, MA171, MA172, MA173, OC581, OC583
David Huckaby, Angelo State University, San Angelo, USA	OC582
Hung Nguyen Viet, Hanoi University of Science, Vietnam	4750
Tran Quang Hung, Hanoi, Vietnam	4750
Olimjon Jalilov, National University of Uzbekistan, Tashkent, Uzbekistan	4744
Walther Janous, Innsbruck, Austria	4731, 4732 , 4733, 4734, 4735, 4738, 4739, 4743, 4744, 4747, 4748, 4749, 4750
Doddy Kastanya, Toronto, ON, Canada	MA171, MA172

Parviz Khalili, Newport News, VA, USA	4738, 4743
Theo Koupelis, Broward College, FL, USA	4731, 4733 (2 solutions), 4735, 4736, 4738, 4739, 4740, 4743 , 4744, 4745, 4748, 4749, 4750, OC576, OC578, OC580 , OC581 , OC582, OC583
Clarence C. Y. Kwan, McMaster University, Hamilton, ON, Canada	4736, 4749
Vasiliki Lalioti, 1st lyceum of Chalkida, Chalkida, Greece	MA171, MA172, OC582
Kee-Wai Lau, Hong Kong, China	4743
Moyan Liang, Shanghai, China	4733 , OC580
John Liao, Lo-Ellen Park Secondary School, Sudbury, ON, Canada	MA171, MA172, MA175
Aravind Mahadevan, Hong Kong	4738, 4739, 4743, MA166, MA167 , MA168, MA171, MA173 , MA174, MA175, OC583
Mammad Mammadov, ADA University, Baku, Azerbaijan	OC581
Corneliu Manescu-Avram, Ploiesti, Romania	MA166, MA171, MA174, OC577, OC578, OC581, OC583
Vivek Mehra, Mumbai, India	4734 (2 solutions), 4743 (2 solutions), 4745, OC581, OC583
Antoine Mhanna, SRS, Kleiat, Lebanon	4735
Ioana Mihaila, Cal Poly Pomona, Pomona, CA, USA	4735
Madhav R. Modak, formerly of Sir Parashurambhau College, Pune, India	4738, 4739
Sonebi Omar, Lycee Technique, Settat, Morocco	4732
Daksh Pandey, Army Public School, Jaipur, India	MA166
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C.R. Pranesachar, Indian Institute of Science, Bangalore, India	4731, 4733, 4734, 4735, 4738, 4739, 4743, 4745, 4747, 4748, 4750, OC581, OC582, OC583
Henry Ricardo, Tappan, NY, USA	MA172, MA174, OC583
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Daniel Sitaru, Drobeta Turnu Severin, Romania	4740
Jason Smith, Richland Community College, Decatur, IL, USA	4731, OC582, OC583
Marius Stănean, Zalău, România	4736, 4745
Florin Stanescu, Serban Cioculescu school, Romania	4747
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Emon Suin, Ramakrishna Mission Vidyalaya, Narendrapur, Kolkata, India	OC576, OC579, OC583
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