

## 2005 Mathematical Contest in Modeling Press Release—March 18, 2005

COMAP is pleased to announce the results of the 21st annual Mathematical Contest in Modeling (MCM). This year, 644 teams representing institutions from 10 countries participated in the contest. Ten teams from the following nine institutions were designated as OUTSTANDING:

**Duke University, Durham, NC**  
**Harvard University, Cambridge, MA**  
**Harvey Mudd College, Claremont CA**  
**Mass Institute of Technology, Cambridge, MA**  
**Rensselaer Polytechnic Institute, Troy, NY**  
**University of California, Berkeley, CA (2 Teams)**  
**University of Colorado, Boulder, CO**  
**University of Saskatchewan, Saskatoon, Canada**  
**University of Washington, Seattle, WA**

This year's contest ran from Thursday, February 3rd to Monday, February 7th, 2005. During that time, teams of up to three undergraduate or high school students researched, modeled, and submitted a solution to one of two modeling problems. The contest is primarily an online contest. Teams register, obtain contest materials, and download the problems and data at the prescribed time through COMAP's MCM Website.

This year, the two MCM problems were particularly challenging. **Problem A** asked teams to develop a model showing the consequences of a massive dam failure. **Problem**

**B** asked teams to propose a model to help determine the optimal number of tollbooths in a barrier-toll plaza. The ten **Outstanding** solution papers will be published in *The UMAP Journal*, along with commentary from the authors and other judges. All 644 of the competing teams are to be congratulated for their excellent work and enthusiasm for mathematical modeling and interdisciplinary problem solving. This year's judges remarked that the quality of the modeling and presentation in the papers was extremely high, making it difficult to select just ten Outstanding papers.

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### 2005 MCM Statistics

- 664 teams participated
  - 10 high school teams (2%)
  - 249 U.S. Teams (37%)
  - 415 Foreign Teams (63%) from Canada, China, Finland, Germany, Hong Kong, Indonesia, Ireland, South Africa, and South Korea
  - 10 Outstanding Winners (2%)
  - 85 Meritorious Winners (13%)
  - 195 Honorable Mentions (29%)
  - 374 Successful Participants (56%)
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To obtain additional information about the MCM and to obtain a complete listing of all team designations, please visit the MCM Website at: [www.comap.com/undergraduate/contests/mcm](http://www.comap.com/undergraduate/contests/mcm), or contact COMAP at: [mcm@comap.com](mailto:mcm@comap.com).

*Major funding for the MCM is provided by a grant from the National Security Agency and support from COMAP. Additional support is provided by the Institute for Operations Research and the Management Sciences (INFORMS). COMAP's Mathematical Contest in Modeling and Interdisciplinary Contest in Modeling are unique among modeling competitions in that they are the only international contests in which students work in teams to find a solution. Centering its educational philosophy on mathematical modeling, COMAP uses mathematical tools to explore real-world problems. It serves the educational community as well as the world of work by preparing students to become better informed—and prepared—citizens, consumers, and workers.*



Major funding provided by  
The National Science Foundation



Administered by  
The Consortium for Mathematics  
and Its Applications

#### Contest Director

Frank Giordano, Naval Postgraduate School, Monterey CA

#### Executive Director

Solomon A. Garfunkel, COMAP, Inc., MA

#### Founding Director

Ben Fusaro, Florida State University

#### Associate Directors

William Fox, Francis Marion University, SC

Bob Borrelli, Harvey Mudd College, CA

Pat Driscoll, USMA, West Point, NY

**2005 MCM Contest Results**

<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
<b>36</b>	University of Washington	Rekha Thomas	Outstanding Winner	INFORMS Award <b>A</b>
<b>77</b>	Harvard University	Clifford Taubes	Outstanding Winner	<b>B</b>
<b>246</b>	University of Colorado	Anne Dougherty	Outstanding Winner	<b>B</b>
<b>323</b>	MIT	Martin Bazant	Outstanding Winner	<b>B</b>
<b>376</b>	University of California, Berkeley	Jim Pitman	Outstanding Winner	INFORMS Award <b>B</b>
<b>482</b>	University of California, Berkeley	Lawrence Evans	Outstanding Winner	Ben Fusaro Award <b>B</b>
<b>694</b>	University of Saskatchewan	James Brooke	Outstanding Winner	MAA Award <b>A</b>
<b>770</b>	Duke University	William Mitchener	Outstanding Winner	MAA Award <b>B</b>
<b>799</b>	Rensselaer Polytechnic Institute	Peter Kramer	Outstanding Winner	SIAM Award <b>B</b>
<b>840</b>	Harvey Mudd College	Jon Jacobsen	Outstanding Winner	SIAM Award <b>A</b>
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<b>6</b>	Fudan University	Zhijie Cai	Meritorious Winner	<b>A</b>
<b>8</b>	University of Puget Sound	DeWayne Derryberry	Meritorious Winner	<b>B</b>
<b>15</b>	Southeast University	Liyang Wang	Meritorious Winner	<b>B</b>
<b>16</b>	Southeast University	Dan He	Meritorious Winner	<b>B</b>
<b>19</b>	College of Science,Southeast University	Xingang Jia	Meritorious Winner	<b>A</b>
<b>31</b>	University of Washington	James Morrow	Meritorious Winner	<b>A</b>
<b>54</b>	Wuhan University	Aijiao Deng	Meritorious Winner	<b>A</b>
<b>69</b>	School of Mathematical Sciences	Xufeng Liu	Meritorious Winner	<b>B</b>
<b>127</b>	Jiangsu University	Gang Xu	Meritorious Winner	<b>B</b>
<b>139</b>	Wuhan University	Wenyi Chen	Meritorious Winner	<b>B</b>
<b>141</b>	Nanjing University	Bo Wen	Meritorious Winner	<b>A</b>
<b>153</b>	School of Science, Beijing University of Posts and	Hongxiang Sun	Meritorious Winner	<b>B</b>
<b>182</b>	University of Electronic Science and Technology of	Gao Qing	Meritorious Winner	<b>A</b>
<b>200</b>	James Madison University	James Sochacki	Meritorious Winner	<b>A</b>
<b>263</b>	South-China Normal University	wang henggeng	Meritorious Winner	<b>B</b>
<b>286</b>	Truman State University	Steve Smith	Meritorious Winner	<b>B</b>
<b>288</b>	School of Economics & Management, Tsinghua	Xie Qun	Meritorious Winner	<b>B</b>
<b>289</b>	McGill University	Nilima Nigam	Meritorious Winner	Ben Fusaro Award <b>A</b>
<b>290</b>	Hastings College	Dave Cooke	Meritorious Winner	<b>B</b>
<b>293</b>	Harbin Institute of Technology Science Faculty	Shouting Shang	Meritorious Winner	<b>B</b>
<b>313</b>	NC School of Science & Mathematics	Daniel Teague	Meritorious Winner	<b>A</b>
<b>350</b>	School of Financial Mathematics, Peking	Lan Wu	Meritorious Winner	<b>B</b>
<b>353</b>	Nanchang University	Liao Chuangrong	Meritorious Winner	<b>B</b>
<b>356</b>	Beijing Normal University, School of Mathematical	Haiyang Huang	Meritorious Winner	<b>B</b>
<b>363</b>	Worcester Polytechnic Institute	Suzanne Weekes	Meritorious Winner	<b>B</b>
<b>368</b>	Western Washington University	Saim Ural	Meritorious Winner	<b>A</b>
<b>369</b>	Western Washington University	Saim Ural	Meritorious Winner	<b>B</b>
<b>407</b>	Wuhan University of Technology	Huang wei	Meritorious Winner	<b>B</b>
<b>412</b>	Chongqing University	Renbin He	Meritorious Winner	<b>B</b>
<b>416</b>	College of Mount St. Joseph	Scott Sportsman	Meritorious Winner	<b>B</b>
<b>417</b>	Davidson College	Malcolm Campbell	Meritorious Winner	<b>B</b>
<b>421</b>	University of Richmond	Kathy Hoke	Meritorious Winner	<b>B</b>
<b>422</b>	University of Richmond	Kathy Hoke	Meritorious Winner	<b>B</b>
<b>428</b>	Zhejiang University	Yong He	Meritorious Winner	<b>B</b>

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
453	Northern Kentucky University	Gail Mackin	Meritorious Winner	B
475	China University of Mining and Technology	Zhang Xingyong	Meritorious Winner	A
481	Eastern Oregon University	Anthony Tovar	Meritorious Winner	B
483	Davidson College	Mark Foley	Meritorious Winner	B
497	Tsinghua University	Hu zhiming	Meritorious Winner	B
500	Tsinghua University	Lu mei	Meritorious Winner	B
532	Zhejiang university city college	Waibin Huang	Meritorious Winner	A
537	Luther College	Reginald Laursen	Meritorious Winner	B
538	Luther College	Reginald Laursen	Meritorious Winner	B
541	Wake Forest University	Miaohua Jiang	Meritorious Winner	B
542	Wake Forest University	Miaohua Jiang	Meritorious Winner	B
548	Kansas State University	David Auckly	Meritorious Winner	B
556	South China University of Technology	Liu Shen Quan	Meritorious Winner	B
563	National University of Defense Technology	Yi Wu	Meritorious Winner	A
577	University of Western Ontario	Allan Maclsaac	Meritorious Winner	B
582	Albertson College	Michael Hitchman	Meritorious Winner	B
599	Wuhan University	Xinqi Hu	Meritorious Winner	A
622	University of Colorado at Boulder	Michael Ritzwoller	Meritorious Winner	B
643	Zhejiang Gongshang University	Ding Zhengzhong	Meritorious Winner	A
655	Northwest University	Wang Liantang	Meritorious Winner	B
658	Bethel University	William Kinney	Meritorious Winner	B
663	Central Washington University	Stuart Boersma	Meritorious Winner	B
671	Californit Polytechnic State University	Jonathan Shapiro	Meritorious Winner	B
673	University of California, Berkeley	Lawrence Evans	Meritorious Winner	B
676	University of Delaware	Louis Rossi	Meritorious Winner	B
677	University of Delaware	Louis Rossi	Meritorious Winner	A
683	Midlands Technical College	John Long	Meritorious Winner	A
698	Wesleyan College	Joseph Iskra	Meritorious Winner	B
700	University of Pittsburgh	Jonathan Rubin	Meritorious Winner	B
705	Shanghai Jiao Tong University	Jianguo Huang	Meritorious Winner	B
708	Shanghai Jiao Tong University	Baorui Song	Meritorious Winner	B
740	Lewis and Clark College	Robert Owens	Meritorious Winner	A
743	University of Pittsburgh	Christopher Earls	Meritorious Winner	B
744	Chongqing University	Li Fu	Meritorious Winner	B
746	United States Military Academy	John Jackson	Meritorious Winner	A
755	Youngstown State University	Angela Spalsbury	Meritorious Winner	A
771	Duke University	William Mitchener	Meritorious Winner	B
776	Cornell University	Alexander Vladimirsky	Meritorious Winner	B
778	Duke University	Owen Astrachan	Meritorious Winner	B
780	Duke University	Owen Astrachan	Meritorious Winner	A
798	University of Saskatchewan	James Brooke	Meritorious Winner	B
800	Bucknell University	Karl Voss	Meritorious Winner	A
803	Asbury College	David Coulliette	Meritorious Winner	B
810	Asbury College	Kenneth Rietz	Meritorious Winner	B
812	Carroll College	Sam Alvey	Meritorious Winner	A

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839	Harvey Mudd College	Jon Jacobsen	Meritorious Winner	A
841	Harvey Mudd College	Ran Libeskind-Hadas	Meritorious Winner	B
842	Harvey Mudd College	Ran Libeskind-Hadas	Meritorious Winner	B
846	Lafayette College	Ethan Berkove	Meritorious Winner	B
851	University College Cork	Donal Hurley	Meritorious Winner	B
856	Albion College	Darren Mason	Meritorious Winner	A
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24	State University of West Georgia	Scott Gordon	Honorable Mention	B
29	Shanghai University of Finance and Economics	Juntai Yu	Honorable Mention	B
32	University of Washington	James Morrow	Honorable Mention	B
33	Beijing Normal University	Hengjian Cui	Honorable Mention	B
35	University of Washington	Rekha Thomas	Honorable Mention	B
37	SD School of Mines & Technology	Kyle Riley	Honorable Mention	B
41	Jiangsu University	Yimin Li	Honorable Mention	B
43	Northwestern Polytechnical University	Zhao Xuanmin	Honorable Mention	A
45	Northwestern Polytechnical University	Shi Yimin	Honorable Mention	B
46	Northwestern Polytechnical University	Xiao Huayong	Honorable Mention	B
56	Concordia College	John Loase	Honorable Mention	B
67	School of Mathematical Sciences, Peking	Minghua Deng	Honorable Mention	B
76	Shanghai University of Finance & Economics	Tao Li	Honorable Mention	B
96	Anhui University	Wang Xuejun	Honorable Mention	B
97	shanghai university of finance and economics	chenyuan yin	Honorable Mention	B
102	Nanjing University of Posts and	Ming He	Honorable Mention	B
103	Nanjing University of Posts and	Ming He	Honorable Mention	B
106	Xiamen University	Xiaolian Zheng	Honorable Mention	B
107	North China Electric Power University	Gu Gendai	Honorable Mention	B
108	North China Electric Power University	Shi Huifeng	Honorable Mention	B
110	North China Electric Power University	Liu Jinggang	Honorable Mention	B
112	Beijing University of Chemical Technology	Guangfeng JIANG	Honorable Mention	A
126	Jiangsu University	Gang Xu	Honorable Mention	B
128	BeiHang University	Sanxing Wu	Honorable Mention	B
129	Nanjing University	Tianxing Yao	Honorable Mention	B
131	Beijing Normal University	Fuxing Shen	Honorable Mention	B
135	SHANGHAI FOREIGN LANGUAGE SCHOOL	LIQUN PAN	Honorable Mention	B
136	SHANGHAI FOREIGN LANGUAGE SCHOOL	LIQUN PAN	Honorable Mention	B
137	SHANGHAI FOREIGN LANGUAGE SCHOOL	YU SUN	Honorable Mention	B
140	Wuhan University	Wenyi Chen	Honorable Mention	B
144	Xi'an Jiaotong University	Yonghong Dai	Honorable Mention	B
146	Xi'an Jiaotong University	Xiaoliang He	Honorable Mention	B
147	Xi'an Jiaotong University	Xiaoliang He	Honorable Mention	B
148	School of Science, Beijing University of Posts and	Zuguo He	Honorable Mention	B
149	School of Science, Beijing University of Posts and	Zuguo He	Honorable Mention	B
151	Beijing University of Posts and	Jinkou Ding	Honorable Mention	B
156	Beijing University of Posts and	Yunfeng Wu	Honorable Mention	B
169	Sun Yat-Sen University	Guo Feng	Honorable Mention	B

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172	University of Stellenbosch	Jan van Vuuren	Honorable Mention	B
174	Sun Yat-sen University	Zhou Yuan	Honorable Mention	A
176	Sun Yat-Sen University	Xiao Long Jiang	Honorable Mention	A
180	Tianjin University	Guoliang Lan	Honorable Mention	B
183	University of Electronic Science and Technology of	Gao Qing	Honorable Mention	B
187	University of Electronic Science and Technology of	Qin Siyi	Honorable Mention	B
188	University of Electronic Science and Technology of	Xu Quanzi	Honorable Mention	B
193	JIA MU-SI UNIVERSITY	FAN WEI	Honorable Mention	B
197	Gannon University	Michael Caulfield	Honorable Mention	B
202	James Madison University	Hasan Hamdan	Honorable Mention	B
204	Harbin University of Science and Technology	Shuzhong Wang	Honorable Mention	B
205	Harbin University of Science and Technology	Guangyue Tian	Honorable Mention	B
206	Harbin University of Science and Technology	Dongmei Li	Honorable Mention	B
208	Harbin University of Science and Technology	Dongyan Chen	Honorable Mention	B
209	Drury University	Bob Robertson	Honorable Mention	A
211	beijing normal university	wang jiyin	Honorable Mention	B
215	Institute of University Students' Innovation,Dalian	Qi Zhou	Honorable Mention	B
216	Institute of University Students' Innovation,Dalian	Qi Zhou	Honorable Mention	B
217	Institute of University Students' Innovation, Dalian	Qihui Pan	Honorable Mention	A
219	Dalian University of Technology	Lizhong Zhao	Honorable Mention	B
220	Dalian University of Technology	Lizhong Zhao	Honorable Mention	B
222	Dalian University of Technology	Hongquan Yu	Honorable Mention	B
225	Dalian University of Technology	Yi Wang	Honorable Mention	A
226	Central University of Finance and Economics	Binhua Ge	Honorable Mention	A
227	Central University of Finance and Economics	Huiqing Huang	Honorable Mention	B
229	Wuhan University	Aijiao Deng	Honorable Mention	B
231	Central University of Finance and Economics	Binhua Ge	Honorable Mention	B
237	Dalian Nationalities University	Xiaoniu Li	Honorable Mention	B
238	Dalian Nationalities University	Xiaoniu Li	Honorable Mention	B
242	Dalian Nationalities University	Qiang Guo	Honorable Mention	B
244	McGill University	Antony Humphries	Honorable Mention	B
247	University of Colorado at Boulder	Bengt Fornberg	Honorable Mention	B
248	Wuhan University	Liuyi Zhong	Honorable Mention	A
249	Nanjing University	Tianxing Yao	Honorable Mention	B
250	Juniata College	John Bukowski	Honorable Mention	A
264	South-China Normal University	Liu Xiuxiang	Honorable Mention	B
270	South-China Normal University	Yu Jianhua	Honorable Mention	A
272	Central South University	He Wei	Honorable Mention	A
276	School of Science,Beijing Jiaotong University	Minghui Liu	Honorable Mention	A
278	School of Science,Beijing Jiaotong University	Xiaoxia Wang	Honorable Mention	B
294	Harbin Institute of Technology Science Faculty	Shouting Shang	Honorable Mention	A
295	Harbin Institute of Technology ,School of	Wei Shang	Honorable Mention	A
298	Harbin Institute of Technology	Kean Liu	Honorable Mention	B
304	Harbin Institute of Technology	Xilian Wang	Honorable Mention	A
308	Sichuan University	Jie Zhou	Honorable Mention	A

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318	East China University of Science and Technology	Qin Yan	Honorable Mention	A
324	Nankai University	Xingwei Zhou	Honorable Mention	B
330	Tongji University, Shanghai, China	Xiongda Chen	Honorable Mention	A
337	Saint Mary's College	Joanne Snow	Honorable Mention	B
340	Nazareth College	Daniel Birmajer	Honorable Mention	B
343	Jilin University	Yongkui Zou	Honorable Mention	A
345	Jilin university	Fang Peichen	Honorable Mention	B
346	Jilin university	Fang Peichen	Honorable Mention	B
352	Nanchang University	Chen Tao	Honorable Mention	B
360	Shenyang Institute of Aeronautical Engineering	Limei Zhu	Honorable Mention	A
361	Shenyang Institute of Aeronautical Engineering	Limei Zhu	Honorable Mention	A
371	Bloomsburg University	Kevin Ferland	Honorable Mention	A
372	Saint Louis University	James Dowdy	Honorable Mention	A
373	Clarkson University	Kathleen Fowler	Honorable Mention	A
374	Clarkson University	Kathleen Fowler	Honorable Mention	B
381	Jinan University	Shizhuang Luo	Honorable Mention	A
383	Jinan University	Daiqiang Hu	Honorable Mention	B
386	Dalian University	Xinxin Tan	Honorable Mention	A
395	Academy of Science	Luo Hua	Honorable Mention	A
398	Academy of Science	Hu Jueliang	Honorable Mention	B
399	Jiangxi Normal University	Gengxiu Wu	Honorable Mention	B
401	College of Life Science ,JiLin University	ZHOU LAI	Honorable Mention	B
402	Wuhan University of Technology	Li guang	Honorable Mention	B
404	Wuhan University of Technology	He Lang	Honorable Mention	B
406	Wuhan University of Technology	Chen ye	Honorable Mention	B
410	Chongqing University	Zhengmin Duan	Honorable Mention	B
413	China Agricultural University	Hui Zou	Honorable Mention	B
415	United States Military Academy	J. Billie	Honorable Mention	B
429	Zhejiang University	Yong He	Honorable Mention	B
431	Zhejiang University	Qifan Yang	Honorable Mention	A
436	Chu Kechen Honors College, ZJU	Jian Wu	Honorable Mention	B
437	Chu Kechen Honors College, ZJU	Lingxi Chen	Honorable Mention	B
439	Chu Kechen Honors College, ZJU	Yongming Zhou	Honorable Mention	A
450	Heritage University	Richard Swearingen	Honorable Mention	B
460	Tianjin University	Fengzhen Liang	Honorable Mention	B
461	Tianjin University	Ximin Rong	Honorable Mention	B
463	Beijing Institute of Technology	yan guifeng	Honorable Mention	A
465	Beijing Institute of Technology	wang hongzhou	Honorable Mention	A
467	Beijing Institute of Science and Technology	sun huafei	Honorable Mention	B
473	International University Bremen	Peter Oswald	Honorable Mention	B
474	Xuzhou Institute of Technology	Jiang Yingzi	Honorable Mention	A
484	Davidson College	Tim Chartier	Honorable Mention	B
485	Davidson College	Tim Chartier	Honorable Mention	B
486	Smith College	Ruth Haas	Honorable Mention	A
491	Hefei University of Technology	Junli Gu	Honorable Mention	B

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495	Xuzhou Institute of Technology	Jiang Yingzi	Honorable Mention	B
498	Tsinghua University	Hu zhiming	Honorable Mention	B
501	Tsinghua University	Lu mei	Honorable Mention	B
502	Information	Peifeng Hao	Honorable Mention	B
507	Mechanism	Jianjiang Cui	Honorable Mention	B
508	Hebei Polytechnic University,China	yili Tan	Honorable Mention	B
510	Hebei Polytechnic University	xinghuo Wan	Honorable Mention	B
511	Software	Huilin Liu	Honorable Mention	B
515	Northeastern University	Ping Sun	Honorable Mention	B
516	Information	Xuehong He	Honorable Mention	B
517	Information	Xuehong He	Honorable Mention	B
520	China University of Mining and Technology	Zhu Kaiyong	Honorable Mention	B
521	South China University of Technology	Liu Xiao Lan	Honorable Mention	B
525	Olin College of Engineering	Burt Tilley	Honorable Mention	B
528	Embry-Riddle University	Greg Spradlin	Honorable Mention	B
560	China University of Mining and Technology	Wu Zongxiang	Honorable Mention	B
568	Northwest Missouri State University	Russell Euler	Honorable Mention	B
571	Rowan University	Hieu Nguyen	Honorable Mention	B
572	Rowan University	Hieu Nguyen	Honorable Mention	B
584	Southern Oregon University	Kemble Yates	Honorable Mention	B
588	Clarion University of Pennsylvania	Dana Madison	Honorable Mention	B
594	Lawrence Technological University	Ruth Favro	Honorable Mention	A
617	Simpson College	Murphy Waggoner	Honorable Mention	B
618	Simpson College	James Bohy	Honorable Mention	A
625	Nanjing University of Sci. & Tech.	Chungen Xu	Honorable Mention	A
627	Nanjing University of Sci. & Tech.	Peixin Chen	Honorable Mention	B
630	Institute of Technology Bandung	Kuntjoro Sidarto	Honorable Mention	A
635	Chongqing University	Zhiliang Li	Honorable Mention	A
646	Zhejiang Gongshang University	Hua Jiukun	Honorable Mention	B
650	Shanghai Normal University	Yongbing Shi	Honorable Mention	B
661	Lawrence Technological University	Valentina Tobos	Honorable Mention	B
667	Siena Heights University	Tim Husband	Honorable Mention	B
670	Georgia Southern University	Laurene Fausett	Honorable Mention	A
682	Midlands Technical College	John Long	Honorable Mention	A
685	Johns Hopkins University	Fred Torcaso	Honorable Mention	B
692	Ithaca College	John Maceli	Honorable Mention	B
699	Wesleyan College	Joseph Iskra	Honorable Mention	B
701	University of Pittsburgh	Jonathan Rubin	Honorable Mention	A
703	Eastern Mennonite University	Leah Boyer	Honorable Mention	A
704	Eastern Mennonite University	Leah Boyer	Honorable Mention	A
739	Jacksonville University	Robert Hollister	Honorable Mention	A
745	KAIST	Chang-Ock Lee	Honorable Mention	B
748	York University	Huaiping Zhu	Honorable Mention	A
754	Youngstown State University	Angela Spalsbury	Honorable Mention	B
765	Saint John's University	Robert Hesse	Honorable Mention	B

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772	Monmouth College	Christopher Fasano	Honorable Mention	B
773	Carroll College	Kelly Cline	Honorable Mention	B
785	Rose-Hulman Institute of Technology	David Rader	Honorable Mention	B
786	Rose-Hulman Institute of Technology	David Rader	Honorable Mention	B
787	University of Dayton	Youssef Raffoul	Honorable Mention	B
790	Johns Hopkins University	Greg Eyink	Honorable Mention	B
802	Ferris State University	Holly Price	Honorable Mention	B
805	Westminster College	Barbara Faires	Honorable Mention	B
808	Southern Connecticut State University	Ross Gingrich	Honorable Mention	A
816	University of Colorado-Denver	Lynn Bennethum	Honorable Mention	B
821	United States Air Force Academy	Timothy Cooley	Honorable Mention	B
822	Northern Illinois University	Chris Hurlburt	Honorable Mention	B
823	Northern Illinois University	Chris Hurlburt	Honorable Mention	B
838	Regis University	David Bahr	Honorable Mention	B
847	KAIST	Chang-Ock Lee	Honorable Mention	B
850	University College Cork	James Grannell	Honorable Mention	B
852	University College Cork	Andrew Usher	Honorable Mention	B
858	University of Colorado-Denver	Michael Jacobson	Honorable Mention	B
859	Oklahoma State University	Lisa Mantini	Honorable Mention	A
862	Colgate University	Warren Weckesser	Honorable Mention	A
864	Hood College	Betty Mayfield	Honorable Mention	B
869	Monmouth College	Howard Dwyer	Honorable Mention	A
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1	Fudan University	Haoming Chen	Successful Participant	B
2	Shandong University	Jianhua Ma	Successful Participant	B
3	Shandong University	Shuxiang Huang	Successful Participant	A
4	Fudan University	Yuan Cao	Successful Participant	B
9	Shandong University	Huang Shuxiang	Successful Participant	A
11	Southeast University	Zhiqiang Zhang	Successful Participant	A
12	Southeast University	Zhiqiang Zhang	Successful Participant	B
17	College of Science,Southeast University	Zhizhong Sun	Successful Participant	B
18	College of Science,Southeast University	Zhizhong Sun	Successful Participant	B
20	College of Science,Southeast University	Xingang Jia	Successful Participant	A
21	Beijing University of technology	Yi Xue	Successful Participant	B
23	Shandong University	Shuxiang Huang	Successful Participant	B
26	Southwest Jiaotong University,E'mei Campus	Zhao Lianwen	Successful Participant	A
27	Southwest Jiaotong University,E'mei Campus	Zhao Lianwen	Successful Participant	B
30	Huazhong University Of Science & Technology	Linjie Yuan	Successful Participant	B
34	SHANDONG UNIVERSITY	MA JIANHUA	Successful Participant	B
39	Fudan University	Haitao Wang	Successful Participant	B
42	Beijing Normal University	Hengjian Cui	Successful Participant	A
47	Northwestern Polytechnical University	Zhang Shenggui	Successful Participant	B
48	Northwestern Polytechnical University	Peng Guohua	Successful Participant	B
49	Northwestern Polytechnical University	Sun Hao	Successful Participant	A
50	Huazhong University of Science and Technology	Yongji Wang	Successful Participant	B



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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
53	Northwestern Polytechnical University	Xiaodong Liu	Successful Participant	B
55	Shanghai University of Finance and Economics	Dong-cheng Dong	Successful Participant	A
57	Department of Mathematics,Shandong University	Baodong Liu	Successful Participant	A
58	University of Massachusetts Lowell	James Graham-Eagle	Successful Participant	B
59	Ningbo Institute of Technology, Zhejiang	Zhening Li	Successful Participant	B
63	Ningbo Institute of Technology, Zhejiang	Lihui Tu	Successful Participant	A
64	Ningbo Institute of Technology, Zhejiang	Lihui Tu	Successful Participant	B
65	Ningbo Institute of Technology, Zhejiang	Haina Sun	Successful Participant	A
66	School of Mathematical Sciences, Peking	Minghua Deng	Successful Participant	B
68	School of Mathematical Sciences	Xufeng Liu	Successful Participant	B
70	Peking University	Ming Wang	Successful Participant	B
74	Sichuan University	Hai Niu	Successful Participant	B
75	Shandong University	HUANG SHUXIANG	Successful Participant	B
78	Linfield College	Jennifer Nordstrom	Successful Participant	B
79	Linfield College	Jennifer Nordstrom	Successful Participant	B
80	Beijing University of Technology,P.R.China	Shilin Yang	Successful Participant	A
81	Beijing Normal University	Peng Fanglin	Successful Participant	B
82	Xidian University	Hongwei Liu	Successful Participant	A
84	Xidian University	Houjian Tang	Successful Participant	B
85	Xidian University	Feng Ye	Successful Participant	A
88	Xidian University	Liefeng Bo	Successful Participant	B
89	Nanjing University	zhaoyang wu	Successful Participant	A
90	Shandong University	Jianhua Ma	Successful Participant	B
93	Anhui Unversity	Yunqi Wu	Successful Participant	B
94	Anhui University	xiaobao zhu	Successful Participant	B
95	Anhui University	Zhang Quanbing	Successful Participant	B
99	Harbin Medical University	Wang QiangHu	Successful Participant	B
101	Harbin Medical University	Wang QiangHu	Successful Participant	B
105	Mathematics and Science Institution	Laifu Liu	Successful Participant	B
109	North China Electric Power University	Zhang Po	Successful Participant	A
114	Beijing University of Chemical Technology	Damin Liu	Successful Participant	A
116	Beijing University of Chemical Technology	Xinhua Jiang	Successful Participant	B
117	Beijing University of Chemical Technology	Wenyan Yuan	Successful Participant	B
118	Jiading No.1 Middle School,Shanghai,China	Xilin Xie, Yunping Fang	Successful Participant	B
119	Jiading No.1 Middle School,Shanghai,China	Xilin Xie, Yunping Fang	Successful Participant	B
120	beijing wuzixueyuan	cheng xiaohong	Successful Participant	B
121	beijing wuzixueyuan	cheng xiaohong	Successful Participant	B
122	Beijing Materials Institute	Li Zhenping	Successful Participant	A
123	Beijing Materials Institute	Li Zhenping	Successful Participant	B
124	Austin College	John Jaroma	Successful Participant	B
125	Jiangsu University	Yimin Li	Successful Participant	B
130	Western Oregon University	Maria Fung	Successful Participant	B
132	Roanoke College	Jeffrey Spielman	Successful Participant	B
134	SHANGHAI XIANGMING HIGH SCHOOL	QIANG FENG	Successful Participant	B
138	SHANGHAI FOREIGN LANGUAGE SCHOOL	YU SUN	Successful Participant	B

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
142	Xi'an Jiaotong University	Yicang Zhou	Successful Participant	A
154	Beijing University of Posts and	Wenbo Zhang	Successful Participant	B
158	Beijing Normal University	He Qing	Successful Participant	B
159	HoHai university	Shen Rong	Successful Participant	B
160	SHANGHAI XIANGMING HIGH SCHOOL	QIANG FENG	Successful Participant	B
161	Shijiazhuang University of Economics	Na Kang	Successful Participant	B
162	Shijiazhuang University of Economics	Jianping Peng	Successful Participant	B
163	Beijing University of Technology	jingang chang	Successful Participant	A
164	Simon's Rock College	Allen Altman	Successful Participant	B
165	Simon's Rock College	Allen Altman	Successful Participant	B
166	Simon's Rock College	Michael Bergman	Successful Participant	A
167	Simon's Rock College	Michael Bergman	Successful Participant	B
168	Wuhan University	Xuming Yi	Successful Participant	B
170	Mount St. Mary's University	Fred Portier	Successful Participant	A
171	Mount St. Mary's University	Fred Portier	Successful Participant	B
173	University of Stellenbosch	Jan van Vuuren	Successful Participant	B
175	Sun Yat-sen University	Ze Peng Chen	Successful Participant	B
189	Wheaton College (IL)	Paul Isihara	Successful Participant	B
190	Franklin College	John Boardman	Successful Participant	B
191	Jia Mu-si university	zhang hong	Successful Participant	A
192	Jia Mu-si university	zhang hong	Successful Participant	B
195	South Dakota School of Mines and Technology	Robert Kowalski	Successful Participant	B
198	Gannon University	Michael Caulfield	Successful Participant	B
199	James Madison University	Caroline Smith	Successful Participant	A
210	Drury University	Bob Robertson	Successful Participant	B
212	Dalian University of Technology	Jianguo Liu	Successful Participant	B
221	Central University of Finance and Economics	Huiqing Huang	Successful Participant	B
223	Dalian University of Technology	Hongquan Yu	Successful Participant	B
233	City Institute, Dalian University of Technology	Xubin Gao	Successful Participant	B
234	City Institute, Dalian University of Technology	Xubin Gao	Successful Participant	B
235	City Institute, Dalian University of Technology	Lianfu Li	Successful Participant	B
239	Dalian Nationalities University	Qiang Guo	Successful Participant	A
245	Dalhousie University	Dorothea Pronk	Successful Participant	B
251	Center for Computational Science & Engineering	Huazhong Tang	Successful Participant	A
256	Harbin Engineering University	XiaoWei Zhang	Successful Participant	B
257	Harbin Engineering University	Fei Yu	Successful Participant	B
259	Harbin Engineering University	Yue Sheng Luo	Successful Participant	B
266	South-China Normal University	Liu Xiuxiang	Successful Participant	B
268	South-China Normal University	Li Hunan	Successful Participant	A
269	South-China Normal University	Li Hunan	Successful Participant	B
271	Central South University	Zhang Hongyan	Successful Participant	B
273	Colorado College	David Brown	Successful Participant	B
274	Beijing Jiaotong University	Xiujuan Wang	Successful Participant	B
275	Beijing Jiaotong University	Xiujuan Wang	Successful Participant	B
277	School of Science, Beijing Jiaotong University	Minghui Liu	Successful Participant	B

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
280	School of Computer and Information	Bingtuan Wang	Successful Participant	B
281	School of Computer and Information	Bingtuan Wang	Successful Participant	B
282	School of Science,Beijing Jiaotong University	Guochen Feng	Successful Participant	B
284	Beijing Language and Culture University	Guilong Liu	Successful Participant	B
287	Beijing Language and Culture University	Guilong Liu	Successful Participant	A
291	California Baptist University	Catherine Kong	Successful Participant	B
292	Drury University	Bruce Callen	Successful Participant	B
296	Harbin Institute of Technology Science Faculty	Hong Ge	Successful Participant	B
297	Harbin Institute of Technology Science Faculty	Hong Ge	Successful Participant	B
299	Harbin Institute of Technology	Kean Liu	Successful Participant	A
300	Harbin Institute of Technology	Guanghong Jiao	Successful Participant	B
301	Harbin Institute of Technology	Guanghong Jiao	Successful Participant	B
302	Harbin Institute of Technology	Chiping Zhang	Successful Participant	B
303	Harbin Institute of Technology	Chiping Zhang	Successful Participant	B
305	Harbin Institute of Technology	Xilian Wang	Successful Participant	B
309	Central South University	Zhang Dianzhong	Successful Participant	B
311	Beijing University of Technology	Guo Sili	Successful Participant	B
314	NC School of Science & Mathematics	Daniel Teague	Successful Participant	B
315	Concordia College	John Loase	Successful Participant	B
319	East China University of Science and Technology	Liu Zhaohui	Successful Participant	B
320	East China University of Science and Technology	Sun Jun	Successful Participant	A
322	East China University of Science and Technology	Su Chunjie	Successful Participant	B
325	Nankai University	Chunsheng Zhang	Successful Participant	A
326	Nankai University	Zhaojun Wang	Successful Participant	B
327	Nankai University	Dianfa Chen	Successful Participant	B
328	Nankai University	Yi Wang	Successful Participant	B
329	SHANGHAI YOUTH CENTRE OF SCIENCE AND	GAN CHEN	Successful Participant	B
333	Thomas More College	Robert Riehemann	Successful Participant	A
334	Jilin University	Yongchen Pei	Successful Participant	B
336	Jilin University	Yongchen Pei	Successful Participant	B
338	Saint Mary's College	Joanne Snow	Successful Participant	B
344	Jilin University	Yongkui Zou	Successful Participant	A
348	Tongji University, Shanghai, China	Hualong Zhang	Successful Participant	B
349	Tongji University, Shanghai, China	Zipeng Gui	Successful Participant	A
351	Nanchang University	Xinsheng Ma	Successful Participant	B
354	Nanchang University	Chen Yuju	Successful Participant	A
355	Renmin University of China	Yang Jin	Successful Participant	B
357	Beijing Normal University, School of Mathematical	Qing He	Successful Participant	B
358	Shenyang Institute of Aeronautical Engineering	Feng Shan	Successful Participant	B
359	Shenyang Institute of Aeronautical Engineering	Feng Shan	Successful Participant	B
362	Zhejiang University of Finance and Economics	Ji Luo	Successful Participant	B
364	Worcester Polytechnic Institute	Suzanne Weekes	Successful Participant	B
366	Western Washington University	Tjalling Ypma	Successful Participant	B
367	Western Washington University	Tjalling Ypma	Successful Participant	B
370	Bloomsburg University	Kevin Ferland	Successful Participant	B

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
375	Clarkson University	William Hesse	Successful Participant	B
377	Anhui University of Technology and Science	Chuanyu Wang	Successful Participant	B
380	Jinan University	Shiqi Ye	Successful Participant	B
384	Jinan University	Suohai Fan	Successful Participant	B
385	Dalian University	Xinxin Tan	Successful Participant	A
387	Dalian University	Jiatai Gang	Successful Participant	B
389	Dalian Maritime University	Yunjie Zhang	Successful Participant	A
391	Dalian Maritime University	Yunjie Zhang	Successful Participant	B
392	Computer Science & Technology College, Dalian	Shuqin Yang	Successful Participant	B
393	Computer Science & Technology College, Dalian	Shuqin Yang	Successful Participant	B
397	China University of Geosciences	ZhiHua Cai	Successful Participant	B
400	Jiangxi Normal University	Zheng Xiongjun	Successful Participant	B
403	Wuhan University of Technology	Li guang	Successful Participant	B
405	Wuhan University of Technology	Chu jie	Successful Participant	A
408	Nanjing University of Finance and Economics	Geng Wang	Successful Participant	B
411	North University of China	Yang Ming	Successful Participant	A
414	China Agricultural University	Hui Zou	Successful Participant	B
418	Wesleyan College	Charles Benesh	Successful Participant	B
419	Drexel University	Hugo Woerdeman	Successful Participant	B
423	Pacific Lutheran University	Daniel Heath	Successful Participant	B
424	Pacific Lutheran University	Daniel Heath	Successful Participant	B
425	Institut Teknologi Bandung	Rieske Hadianti	Successful Participant	B
433	Zhejiang University	Zhiyi Tan	Successful Participant	A
438	Chu Kechen Honors College, ZJU	Lingxi Chen	Successful Participant	B
440	Chongqing University	Chuandong Li	Successful Participant	A
441	Chongqing University	Zongli Wang	Successful Participant	B
442	School of Electrical Engineering, Beijing Jiaotong	Xiaoqin Deng	Successful Participant	A
443	Beijing Jiaotong University	Faen Wu	Successful Participant	B
445	Zhejiang University of Technology	Shiming Wang	Successful Participant	B
446	Zhejiang University of Technology	Minghua Zhou	Successful Participant	B
447	Zhejiang University of Technology	Xuejun Wu	Successful Participant	B
448	Zhejiang University of Technology	Shiming Wang	Successful Participant	B
449	Beijing University of Technology	Shilin Yang	Successful Participant	B
451	Heritage University	Richard Swearingen	Successful Participant	A
452	Northern Kentucky University	Gail Mackin	Successful Participant	A
455	Hartnell College	Kelly Locke	Successful Participant	B
456	Westchester Community College	Marvin Littman	Successful Participant	A
459	Tianjin University	Genqi Xu	Successful Participant	B
462	Tianjin University	genqi xu	Successful Participant	B
464	Beijing Institute of Technology	yan guifeng	Successful Participant	B
466	Beijing Institute of Technology	wang hongzhou	Successful Participant	B
476	Chengdu university of technology	Youhua Wei	Successful Participant	B
477	Wartburg College	Brian Birgen	Successful Participant	B
479	Chengdu university of technology	Yong Yuan	Successful Participant	A
480	Bowling Green State University	Juan Bes	Successful Participant	A

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
487	University of Northern Colorado	Nathaniel Miller	Successful Participant	A
492	Hefei University of Technology	Qi Zheng	Successful Participant	B
493	China University of Mining and Technology	Zhu Kaiyong	Successful Participant	B
494	Hefei University of Technology	Xueqiao Du	Successful Participant	B
496	Hefei University of Technology	Youdu Huang	Successful Participant	A
499	Central South University	Kunnan Yi	Successful Participant	B
504	Information	Peifeng Hao	Successful Participant	B
513	Software	Huilin Liu	Successful Participant	A
514	Hebei Polytechnic University,China	jixian Xiao	Successful Participant	A
519	Northeast Agricultural University	Fangge Li	Successful Participant	B
522	Northeast Normal University	zuofeng Li	Successful Participant	A
523	Northeast Normal University	zuofeng Li	Successful Participant	B
524	zhejiang university city college	xusheng kang	Successful Participant	A
527	Zhejiang university city college	Yanan Zhao	Successful Participant	B
529	Zhejiang university city college	Yanan Zhao	Successful Participant	B
530	Zhejiang university city college	Gui Wang	Successful Participant	B
534	Northland College	William Long	Successful Participant	A
535	Northland College	William Long	Successful Participant	A
536	Meredith College	Cammeey Cole	Successful Participant	B
539	Luther College	Steve Hubbard	Successful Participant	A
543	Western Connecticut State University	Josephine Hamer	Successful Participant	B
547	Kansas State University	David Auckly	Successful Participant	B
549	East China Institute of Technology	Cai Ying	Successful Participant	B
550	The College Attached to North China Institute of	Fan Xiaoren	Successful Participant	A
551	The College Attached to North China Institute of	Fan Xiaoren	Successful Participant	B
552	Science school of North University of China	Li Youwen	Successful Participant	A
553	South China University of Technology	Qin Yong An	Successful Participant	B
555	North University of China	Xue YaKui	Successful Participant	B
557	North University of China	Wang Peng	Successful Participant	B
558	South China University of Technology	Liang Man Fa	Successful Participant	B
562	National University of Defense Technology	Ziyang Mao	Successful Participant	B
564	National University of Defense Technology	Lizhi Cheng	Successful Participant	B
565	Zhejiang University of Finance and Economics	Fulai Wang	Successful Participant	B
566	National University of Defense Technology	Xiaojun Duan	Successful Participant	B
573	California State University, Monterey Bay	Jeffrey Groah	Successful Participant	B
575	California State University at Monterey Bay	Hongde Hu	Successful Participant	A
578	Virginia Western	Ruth Sherman	Successful Participant	A
580	Siena Heights University	Pamela Warton	Successful Participant	A
581	Siena Heights University	Pamela Warton	Successful Participant	A
583	Albertson College	Michael Hitchman	Successful Participant	A
585	Illinois Institute of Technology	Michael Pelsmajer	Successful Participant	B
587	Emporia State University	Brian Hollenbeck	Successful Participant	B
590	Earlham College	Mic Jackson	Successful Participant	A
591	Earlham College	Mic Jackson	Successful Participant	B
592	Earlham College	Charlie Peck	Successful Participant	A

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
595	Lawrence Technological University	Ruth Favro	Successful Participant	B
596	Pacific University	Christine Guenther	Successful Participant	B
600	Wuhan University	Zhuangchu Luo	Successful Participant	A
603	Donghua University	Guoxin He	Successful Participant	B
604	Donghua University	Surong You	Successful Participant	B
605	Donghua University	ZhiJie Wang	Successful Participant	B
606	Donghua University	Chen chao	Successful Participant	B
608	School of Science, Xi'an Communication Institute	Guo Li	Successful Participant	B
609	China University of Geosciences	Wenqiang Luo	Successful Participant	B
610	School of Science, Xi'an Communication Institute	Dongsheng Yang	Successful Participant	B
611	School of Science, Xi'an Communication Institute	Yan Jiang	Successful Participant	B
612	School of Information, Xi'an Communication	Jinlong Kang	Successful Participant	A
613	School of Information, Xi'an Communication	Hong Wang	Successful Participant	B
614	School of Information, Xi'an Communication	Xiaofeng Song	Successful Participant	B
615	Nanjing University	Chunying Duan	Successful Participant	B
616	Simpson College	Murphy Waggoner	Successful Participant	B
620	Simpson College	Jeff Parmelee	Successful Participant	B
626	Nanjing University of Sci. & Tech.	Zhengjun Zhang	Successful Participant	B
628	School of Science, Xi'an Communication Institute	Jianhang Zhang	Successful Participant	A
629	Nanjing University of Sci. & Tech.	Liwei Liu	Successful Participant	B
631	Hong Kong Baptist University	C. S. Tong	Successful Participant	B
632	Hong Kong Baptist University	Wai Chee Shiu	Successful Participant	B
636	Chongqing University	Qiongfang Liu	Successful Participant	A
637	Hunan University	Xiaopei Li	Successful Participant	B
638	Hunan University	Bolin Ma	Successful Participant	B
639	Hunan University	Han Luo	Successful Participant	A
640	Hunan University	Chuanxiu Ma	Successful Participant	B
642	Software Engineering	Liu dong	Successful Participant	A
644	Zhejiang Gongshang University	Ding Zhengzhong	Successful Participant	B
645	Shanghai Normal University	Shenghuan Guo	Successful Participant	B
648	Shanghai Normal University	Zhangjizhou Zhudetong	Successful Participant	B
649	Zhejiang Gongshang University	Hua Jiukun	Successful Participant	B
653	Shanghai Normal University	Rongguan Liu	Successful Participant	B
656	Northwest University	Dou Jihong	Successful Participant	B
657	Northwest University	He Ruichan	Successful Participant	B
659	Bethel University	William Kinney	Successful Participant	B
664	Appalachian State University	Holly Hirst	Successful Participant	A
666	Malone College	David Hahn	Successful Participant	B
669	Georgia Southern University	Laurene Fausett	Successful Participant	B
672	Californit Polytechnic State University	Jonathan Shapiro	Successful Participant	B
674	Universität Karlsruhe	Lars Behnke	Successful Participant	A
675	Johns Hopkins University	Fred Torcaso	Successful Participant	B
678	Helsinki Mathematical High School	Terhi Olkkonen	Successful Participant	B
679	Helsinki Mathematical High School	Terhi Olkkonen	Successful Participant	A
680	Hobart and William Smith Colleges	Scotty Orr	Successful Participant	B

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
681	Washington College	Eugene Hamilton	Successful Participant	B
686	Loyola College in Maryland	Jiyuan Tao	Successful Participant	B
687	Salem State College	Kenny Ching	Successful Participant	B
689	Cal Poly Pomona	Peter Siegel	Successful Participant	B
690	Angelo State University	Karl Havlak	Successful Participant	A
691	Northeastern University	Ping Sun	Successful Participant	B
693	Shanghai Yucai High School	Zhengtai Li	Successful Participant	B
695	Inner Mongolia University	zhuang ma	Successful Participant	A
696	Inner Mongolia University	mei wang	Successful Participant	B
697	CITY UNIVERSITY OF HONG KONG	TO MING HO	Successful Participant	B
702	Albion College	Darren Mason	Successful Participant	B
706	Shanghai Jiao Tong University	Jianguo Huang	Successful Participant	B
709	Mount Marty College	Stephanie Gruver	Successful Participant	B
710	Mount Marty College	Stephanie Gruver	Successful Participant	A
711	Mount Marty College	Bonita Gacnik	Successful Participant	B
713	Mount Marty College	James Miner	Successful Participant	A
714	Colby College	Jan Holly	Successful Participant	B
715	Mt. Mercy College	K.R. Knopp	Successful Participant	B
716	Maggie Walker Governor's School	John Barnes	Successful Participant	B
717	Maggie Walker Governor's School	John Barnes	Successful Participant	B
718	Trinity University	Richard Cooper	Successful Participant	B
719	Trinity University	Allen Holder	Successful Participant	B
720	Maggie Walker Governor's School	Harold Houghton	Successful Participant	B
721	Maggie Walker Governor's School	Harold Houghton	Successful Participant	B
727	Grinnell College	Karen Shuman	Successful Participant	B
728	Grinnell College	Karen Shuman	Successful Participant	B
729	Eastern Oregon University	David Allen	Successful Participant	B
731	Paivola college	Merikki Lappi	Successful Participant	B
732	Grinnell College	Charles Cunningham	Successful Participant	A
733	Paivola college	Merikki Lappi	Successful Participant	B
736	Slippery Rock University	Richard Marchand	Successful Participant	B
737	Pomona College	Ami Radunskaya	Successful Participant	B
738	California State Polytechnic University, Pomona	Kurt Vandervoort	Successful Participant	B
741	Lewis and Clark College	Robert Owens	Successful Participant	B
742	Idaho State University	Robert Van Kirk	Successful Participant	B
747	York University	Huaiping Zhu	Successful Participant	B
750	York University	Hongmei Zhu	Successful Participant	B
752	Villa Julie College	Eileen McGraw	Successful Participant	B
753	Virginia Western Community College	Steve Hammer	Successful Participant	A
756	Western New England College	Lorna Hanes	Successful Participant	B
757	Youngstown State University	Michael Crescimanno	Successful Participant	A
766	Minhang Branch of Shanghai Jiaotong University	Gang Zhou	Successful Participant	B
767	Minhang Branch of Shanghai Jiaotong University	Gang Zhou	Successful Participant	A
768	Minhang Branch of Shanghai Jiaotong University	Guobiao Zhou	Successful Participant	B
769	Minhang Branch of Shanghai Jiaotong University	Guobiao Zhou	Successful Participant	B

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<b>Control #</b>	<b>Institution</b>	<b>Advisor</b>	<b>Designation</b>	<b>Problem</b>
774	Carroll College	Kelly Cline	Successful Participant	B
775	Benedict College	Balaji Iyengar	Successful Participant	B
777	Cornell University	Alexander Vladimirovsky	Successful Participant	A
782	Brescia University	Chris Tiaht	Successful Participant	B
784	Gettysburg College	Bogdan Doytchinov	Successful Participant	A
788	Salisbury University	Michael Bardzell	Successful Participant	B
789	United States Military Academy	Sakura Therrien	Successful Participant	B
791	College of the Holy Cross	Gareth Roberts	Successful Participant	B
797	Francis Marion University	Thomas Fitzkee	Successful Participant	A
801	Rensselaer Polytechnic Institute	Peter Kramer	Successful Participant	B
806	New Mexico Tech	Brian Borchers	Successful Participant	B
813	Austin Peay State University	Nell Rayburn	Successful Participant	A
814	Carroll College	Sam Alvey	Successful Participant	B
817	United States Air Force Academy	James Rolf	Successful Participant	A
818	Southeast Missouri State University	Robert Sheets	Successful Participant	B
820	United States Air Force Academy	Timothy Cooley	Successful Participant	A
824	University of Science and Technology of China	Zhouwang Yang	Successful Participant	A
825	Cal Poly Pomona	Hubertus von Bremen	Successful Participant	A
827	Cal Poly Pomona	Ioana Mihaila	Successful Participant	B
828	University of Science and Technology of China	Guangzhong Sun	Successful Participant	B
829	University of Science and Technology of China	Yanjun Liu	Successful Participant	B
832	University of Science and Technology of China	Zhangjin Huang	Successful Participant	B
833	Mechanism	Jianjiang Cui	Successful Participant	A
834	Dalhousie University	Dorothea Pronk	Successful Participant	B
837	Regis University	David Bahr	Successful Participant	B
844	Lafayette College	Ethan Berkove	Successful Participant	B
848	Liaoning High Police Academic School	Shen Cong	Successful Participant	B
849	Liaoning High Police Academic School	Shen Cong	Successful Participant	B
853	Trinity College Dublin	Conor Houghton	Successful Participant	B
854	Roberts Wesleyan College	Gary Raduns	Successful Participant	A
855	New Jersey Institute of Technology	Roy Goodman	Successful Participant	B
857	Miami University	Doug Ward	Successful Participant	B
860	Colorado State University-Pueblo	Bruce Lundberg	Successful Participant	B
861	Minnesota State University Moorhead	Ellen Hill	Successful Participant	A
863	Eastern Mennonite University	Charles Cooley	Successful Participant	B
865	Morehead State University	Michael Dobranski	Successful Participant	B
868	Greenville College	George Peters	Successful Participant	A