

2023 Mathematical Contest in Modeling (MCM)[®] Press Release—May 5, 2023

COMAP is pleased to announce the results of the 39th annual Mathematical Contest in Modeling (MCM). This year, 11,296 teams representing institutions from twenty-one countries/regions participated in the contest. Twenty-Two teams from the following institutions were designated as OUTSTANDING WINNERS:

Beijing Institute of Technology, China (2 Teams)
(SIAM Award 2303950) (Ben Fusaro Award 2309229)
Columbia University, NY, USA (2 Teams)
(INFORMS Award & MAA Award 2322645) (MAA Award 2322687)
Duke University, NC, USA
(COMAP Scholarship Award, MAA Award & SIAM Award)
East China Normal University, China (SIAM Award)
Fudan University, China
Nanjing University of Posts & Telecommunications, China
Northeastern University of China, China
(COMAP Scholarship Award & ASA Award)
Renmin University of China, China (2 Teams)
Shanghai Jiao Tong University, China (INFORMS Award)
Shanghai University of Finance and Economics, China
The Chinese University of Hong Kong, Shenzhen, China
Tiangong University, China (Frank Giordano Award)
Tianjin University, China
Tsinghua University, China (INFORMS Award)
University of Electronic Science and Technology of China, China
(2 Teams) (AMS Award 2300336)
Xi'an Jiaotong University, China
Xidian University, China
Zhejiang University of Finance and Economics, China (AMS Award)

Nanjing University of Posts and Telecommunications, China
(Finalist - AMS Award)

This year's contest ran over a single weekend from Thursday, February 16 to Monday, February 20, 2023. During that time, teams of three students researched, modeled, and wrote a solution to an open-ended real world modeling problem. The 2023 MCM was an online contest, where teams registered and obtained contest materials through COMAP's MCM Website.

The 2023 MCM problems represented a variety of challenging problems spanning the familiar to new. Each problem required teams to apply unique mathematical modeling skills to answer the questions posed. All three problems were created by the MCM Problem Committee, a unique blend of academicians and industry professionals with many years of mathematical modeling experience. Teams again had to be at the top of their game to excel.

The focus of Problem A was to examine the role of species diversity in an environment of irregular drought cycles. Some recent research indicates that plant communities may benefit when the community includes a greater diversity in the number and kinds of plants that are present. In times of more frequent drought conditions having a larger number of plant species may benefit the whole community. The teams who selected the A Problem were asked to develop a model to see if mathematical models might verify these observations. The teams were asked to develop a mathematical model to approximate the

dynamics of a plant community, and the model should account for varying numbers of species in the community, varying levels of water scarcity, the impact of pollutants in the system, and habitat reduction. The teams were asked to determine the impact associated with different numbers of plant species and determine if there is an optimal level of species diversity for a given plant community.

For the B Problem, teams needed to provide recommendations to the Kenyan Tourism and Wildlife Committee to manage resources within and outside the current boundaries of the Maasai Mara game preserve. These recommendations needed to include specific policies and management strategies that would protect wildlife and other natural resources while also balancing the interests of the people who live in the area within the different areas of the preserve. In addition, the team's recommended policies and strategies should also mitigate the impacts of lost opportunities experienced by the people who live near the preserve and minimize negative interactions between animals and the people attracted to the preserve. Teams also needed to provide predictions about the long-term trends resulting from their recommendations.

For the C problem, teams were provided data on participation and success mined from Twitter users who played WORDLE, a popular game currently sponsored by the New York Times. Teams were asked to develop models to predict the number of scores for a given day reported on Twitter with a prediction (not confidence) interval. They were also asked to develop models to predict the probability distribution of scores based on the attributes of the word for the day and discuss the uncertainties of their result. From their attribute analysis, they were asked to classify words by level of difficulty, and to identify any interesting features of the data set.

A selection from the Outstanding solution papers will be featured in *The UMAP Journal*, along with commentaries from the problem authors and judges. All 11,296 of the competing teams are to be congratulated for their excellent work and enthusiasm for mathematical modeling and interdisciplinary problem solving.

2023 MCM Statistics

- **11296 Teams Participated**
- **2557 Problem A (23%)**
- **728 Problem B (6%)**
- **8011 Problem C (71%)**
- **22 Outstanding Winners (<1%)**
- **272 Finalist Winners (2%)**
- **758 Meritorious Winners (7%)**
- **2523 Honorable Mentions (22%)**
- **7234 Successful Participants (64%)**
- **42 Unsuccessful Participants (<1%)**
- **436 Disqualified (4%)**
- **9 Not Judged (<1%)**

To obtain additional information about the MCM and to obtain a complete listing of all team designations, please visit the MCM Website at: www.mcmcontest.com, or contact COMAP at: mcm@comap.com.

Major funding for the MCM is provided by COMAP. Additional support is provided by the Institute for Operations Research and the Management Sciences (INFORMS), The Society for Industrial and Applied Mathematics (SIAM), The Mathematical Association of America (MAA), The American Statistical Association (ASA) and The American Mathematical Society (AMS). 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.



Administered by
The Consortium for
Mathematics and Its
Applications

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Solomon A. Garfunkel, *COMAP, Inc., Bedford, MA*

Contest Director

Steven B. Horton, *COMAP, Inc., Bedford, MA*

Associate Contest Director

Keith Erickson, *Georgia Gwinnett College, GA*

Founding Contest Director

Ben Fusaro, *Florida State University, FL*

2023 MCM Problem B Contest Results

Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2300136	Tsinghua University	China	Heng Liang	B	Outstanding Winner INFORMS Award
2315379	Tiangong University	China	Wang Xiaoyin	B	Outstanding Winner Frank Giordano Award
2318300	Duke University	USA	Maria-Veronica Ciocanel	B	Outstanding Winner COMAP Scholarship MAA Award & SIAM Award
2300123	Harbin Institute of Technology, Weihai	China	Jiang Wei	B	Finalist
2300140	Shanghai University	China	Jianjia Wang	B	Finalist
2300460	Ningbo University	China	Yefang Chen	B	Finalist
2300604	Northwestern Polytechnical University	China	Ying Zhang	B	Finalist
2300617	Zhongnan University of Economics and Law	China	Kan Liu	B	Finalist
2301566	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Finalist
2301633	Southeast University	China	Rui Du	B	Finalist
2302839	Harbin Engineering University	China	Li Jinru	B	Finalist
2303591	Shanghai Normal University	China	Jie Lian	B	Finalist
2303612	Beihang University	China	Lei Wang	B	Finalist

2023 MCM Problem B Contest Results

Ctrl #	Institution	Country/Region	Advisor	Problem	Designation	
2303869	Harbin Engineering University	China	Zhang Lijian	B	Finalist	
2304152	Northwest Normal University	China	JianSheng Li	B	Finalist	
2304954	Dalian Maritime University	China	Hong Gao	B	Finalist	
2305602	Dalian Maritime University	China	Hong Gao	B	Finalist	
2307034	Beihang University	China	Lei Wang	B	Finalist	
2307381	Zhejiang University	China	Gaoang Wang	B	Finalist	
2307414	Harbin Institute of Technology, Shenzhen	China	Hui Liang	B	Finalist	
2307937	Renmin University of China	China	Zhong Yuanyuan	B	Finalist	
2308452	Nanjing University of Posts and	China	Xinxu Li	B	Finalist	
2308825	Nanjing University of Posts and	China	Zhenhua Yang	B	Finalist	
2308844	Nanjing University of Posts and	China	Zhenhua Yang	B	Finalist	
2308899	Nanjing University of Posts and	China	Dongxue Yan	B	Finalist	AMS Award
2309056	Civil Aviation University of China	China	Jing Guan	B	Finalist	

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2310279	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Finalist
2311066	Nanjing University of Aeronautics and	China	Jian Wu	B	Finalist
2311920	Chongqing University	China	XIAOBING HU	B	Finalist
2312528	Xi'an Jiaotong University	China	Yiqing Wang	B	Finalist
2313273	Nanjing University of Posts and	China	Rulan Wang	B	Finalist
2313369	Northeastern University	China	Ying Sheng	B	Finalist
2313696	Shanghai Normal University	China	Jiajia Chen	B	Finalist
2314525	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Finalist
2315214	Tiangong University	China	Wang Xiaoyin	B	Finalist
2316178	Northeastern University at Qinhuangdao	China	Zhang Yanyan	B	Finalist
2316192	Fuzhou University	China	Zhezhuang Xu	B	Finalist
2316262	Zhejiang University	China	TAN Zhiyi	B	Finalist
2317642	Jilin University	China	ZHANG Yu	B	Finalist

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2318028	National University of Defense Technology	China	Dan Wang	B	Finalist
2318060	Jilin University	China	HOU Bingzhe	B	Finalist
2319155	Wenzhou-Kean University	China	Yan Yan	B	Finalist
2319415	Hangzhou Dianzi University	China	Zongmao Cheng	B	Finalist
2320343	Xi'an Jiaotong University	China	Lei Chen	B	Finalist
2320624	Xi'an Jiaotong University	China	Lei Chen	B	Finalist
2300005	BNU-HKBU United International College	China	UIC Math Modeling Team	B	Meritorious Winner
2300323	University of Electronic Science and	China	Guanghui Cheng	B	Meritorious Winner
2300339	University of Electronic Science and	China	Guoliang He	B	Meritorious Winner
2301106	Beihang University	China	Lei Wang	B	Meritorious Winner
2301232	Shanghai University	China	Jianjia Wang	B	Meritorious Winner
2301550	Southeast University	China	Liyan Wang	B	Meritorious Winner
2302034	Shenyang Jianzhu University	China	Tingting Yan	B	Meritorious Winner

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2303955	Beijing Institute of Technology	China	Jie Zhang	B	Meritorious Winner
2305064	Dalian University of Technology	China	Qihui Pan	B	Meritorious Winner
2305130	Dalian Maritime University	China	Xuesong Liu	B	Meritorious Winner
2306391	XIDIAN UNIVERSITY	China	Guoping Yang	B	Meritorious Winner
2306664	China University of Petroleum	China	Xian Shan	B	Meritorious Winner
2306935	XIDIAN UNIVERSITY	China	Hailin Feng	B	Meritorious Winner
2307202	Fujian Normal University	China	Zhou Shuming	B	Meritorious Winner
2307462	Hangzhou Normal University	China	Yu Xia	B	Meritorious Winner
2308757	Nanjing University of Posts and	China	Dongxue Yan	B	Meritorious Winner
2309073	Nanjing University of Posts and	China	Dongxue Yan	B	Meritorious Winner
2309446	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Meritorious Winner
2309547	Nanjing University of Posts and	China	Jiashan Tang	B	Meritorious Winner
2309727	Beihang University	China	Ying Gao	B	Meritorious Winner

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2309964	Nanjing University of Posts and	China	Jian Yang	B	Meritorious Winner
2310238	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Meritorious Winner
2310914	Northeastern University	China	Gao Zheming	B	Meritorious Winner
2311027	Southwest University	China	Zichuan Fan	B	Meritorious Winner
2311703	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Meritorious Winner
2312480	McCallie School	USA	Rob Lyons	B	Meritorious Winner
2312885	Xi'an Jiaotong University	China	Long Chen	B	Meritorious Winner
2312943	Nanjing University of Posts and	China	Wu Sainan	B	Meritorious Winner
2313137	University of Science and Technology	China	Donghong Zhao	B	Meritorious Winner
2313164	ChongQing Medical University	China	RuiZhu	B	Meritorious Winner
2314184	Nanjing Tech University	China	Fan Yang	B	Meritorious Winner
2314308	Changchun Normal University	China	Dongping Li	B	Meritorious Winner
2314460	Nanjing Tech university	CHINA	Gang Wang	B	Meritorious Winner

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2314870	SUN YAT-SEN UNIVERSITY	China	Yanhui Guan	B	Meritorious Winner
2315163	XIDIAN UNIVERSITY	China	Han Banghe	B	Meritorious Winner
2315205	Tiangong University	China	Wang Xiaoyin	B	Meritorious Winner
2315340	Tiangong University	China	Wang Xiaoyin	B	Meritorious Winner
2315362	Tiangong University	China	Wang Xiaoyin	B	Meritorious Winner
2315848	Nanjing University of Posts and	China	Yan Li	B	Meritorious Winner
2315954	Wuhan University	China	Aijiao Deng	B	Meritorious Winner
2316720	Luoyang Institute of Science and	China	Shiwei Yun	B	Meritorious Winner
2316915	University of Nottingham Ningbo China	China	Lucien Lu	B	Meritorious Winner
2317009	University of Melbourne	Australia	Matthew Mack	B	Meritorious Winner
2317803	Chongqing Jiaotong University	China	Wenming Cao	B	Meritorious Winner
2317852	Jiangsu University	China	Jing Hua	B	Meritorious Winner
2319463	Hohai University	China	Jianpeng Wang	B	Meritorious Winner

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2319573	Hangzhou Dianzi University	China	Zheyong Qiu	B	Meritorious Winner
2319656	Dalian Ocean University	China	Qu Leilei	B	Meritorious Winner
2321034	Lanzhou University of Technology	China	Jun Li	B	Meritorious Winner
2322106	Henan Polytechnic University	China	Xu Shunwei Li Xixin	B	Meritorious Winner
2300063	East China Normal University	China	Qing Gu	B	Honorable Mention
2300219	Northwestern Polytechnical University	China	Zhongling Huang	B	Honorable Mention
2300265	Sichuan normal university	China	lwwangyong	B	Honorable Mention
2300285	University of Electronic Science and	China	Yong Zhang	B	Honorable Mention
2300594	Beijing Jiaotong University	China	Xiaoxia Wang	B	Honorable Mention
2300648	Beijing Information Science and	China	Man Chen	B	Honorable Mention
2300851	Hangzhou Dianzi University Information	China	Jingwei Han	B	Honorable Mention
2301084	Heilongjiang University of Science and	china	Zhijun Gao	B	Honorable Mention
2301280	Shanghai University of Electric Power	China	None	B	Honorable Mention

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2301492	Northwestern Polytechnical University	China	Junfeng Zhao	B	Honorable Mention
2301678	Xidian University	China	Yixin He	B	Honorable Mention
2301908	Southeast University	China	Dan He	B	Honorable Mention
2301991	Fudan University	China	Zhijie Cai	B	Honorable Mention
2302094	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Honorable Mention
2302130	Chongqing University	China	QU GONG	B	Honorable Mention
2302179	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Honorable Mention
2302270	Shanghai University	China	Jianjia Wang	B	Honorable Mention
2302336	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Honorable Mention
2302770	Harbin Engineering University	China	Li Jinru	B	Honorable Mention
2303100	Harbin Engineering University	China	Zhang Xiaowei	B	Honorable Mention
2303436	China University of political science and law	CHINA	LIU SHUHUAN	B	Honorable Mention
2303463	Dalian Maritime University	China	Yunjie Zhang	B	Honorable Mention

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2303673	Harbin Institute of Technology (Weihai)	China	Chunmao Huang	B	Honorable Mention
2303911	Xidian University	China	Wang Xianhua	B	Honorable Mention
2304281	Beijing Institute of Technology	China	Xuwen Li	B	Honorable Mention
2304780	China University of Petroleum	CHINA	Chen Hua	B	Honorable Mention
2305292	South China University of Technology	China	Caibin Zeng	B	Honorable Mention
2305475	Dalian University of Technology	China	Yonggang Fan	B	Honorable Mention
2305528	Donghua University	China	Yongfang Zhang	B	Honorable Mention
2305738	China University of Petroleum(East China)	China	Yang Lei	B	Honorable Mention
2305776	China University of Petroleum(East China)	China	Yang Lei	B	Honorable Mention
2305876	Beijing University of Chemical Technology	China	Xiaoding Shi	B	Honorable Mention
2306238	China University of Mining and Technology	CHINA	SHENGWU ZHOU	B	Honorable Mention
2306276	XIDIAN UNIVERSITY	China	XiaoYan Yin	B	Honorable Mention
2306278	Beihang University	China	Lei Wang	B	Honorable Mention

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2306617	XIDIAN UNIVERSITY	China	Zhixi FENG	B	Honorable Mention
2306716	Beijing Institute of Technology	China	Zhang Wei	B	Honorable Mention
2306805	XIDIAN UNIVERSITY	China	Xianyu Yang	B	Honorable Mention
2306855	Weber State University	USA	Afshin Ghoreishi	B	Honorable Mention
2306978	Ocean University of China	China	Yongchang Cao	B	Honorable Mention
2307189	Fujian Normal University	China	Minqing Xiao	B	Honorable Mention
2307294	South China University of Technology	China	Caibin Zeng	B	Honorable Mention
2307350	Nanjing University of Posts and	China	Lihua Min	B	Honorable Mention
2307396	Henan University	China	Zhihao Ge	B	Honorable Mention
2307562	Tongji University	China	Chunyan Duan	B	Honorable Mention
2307600	Hangzhou Normal University	China	Ping Lv	B	Honorable Mention
2307804	Changsha University of Science &	china	Yanxiang Tan	B	Honorable Mention
2307838	Huazhong University Of Science And	China	Haoyuan Xu	B	Honorable Mention

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2307971	Qufu Normal University	China	Hui Song	B	Honorable Mention
2308154	XIDIAN UNIVERSITY	China	Xuwen Mu	B	Honorable Mention
2308162	Donghua University	China	Surong You	B	Honorable Mention
2308387	Kunming University of Science and	China	Yong Feng	B	Honorable Mention
2308463	Nanjing University of Posts and	China	Xinxu Li	B	Honorable Mention
2308755	Shanghai Ocean University	China	Wei Wang	B	Honorable Mention
2308791	Ocean University of China	China	Yongchang Cao	B	Honorable Mention
2308842	Nanjing University of Posts and	China	Zhenhua Yang	B	Honorable Mention
2308935	University of Exeter	United Kingdom	Dong Wang	B	Honorable Mention
2309035	Wuhan University of Technology	China	Fenge Chen	B	Honorable Mention
2309038	Wuhan University of Technology	China	Rongrong Tian	B	Honorable Mention
2309158	Chang'an University	China	Lijuan Yang	B	Honorable Mention
2309300	Nanjing University of Posts &	China	Xu Jin	B	Honorable Mention

2023 MCM Problem B Contest Results

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2309346	Xi'an Jiaotong University	China	Jian Zu	B	Honorable Mention
2309621	XIDIAN UNIVERSITY	China	Chen Xingyu	B	Honorable Mention
2309757	Nanjing University of Science and	China	Chungen Xu	B	Honorable Mention
2309868	Wuhan University of Science and	China	Liping Zhang	B	Honorable Mention
2309874	Hunan Institute of Engineering	China	JunyouLuo	B	Honorable Mention
2310087	Southwest University	China	Libo Zhang	B	Honorable Mention
2310108	Beijing Jiaotong University	China	Bingli Fan	B	Honorable Mention
2310324	Beijing Jiaotong University	China	Bingli Fan	B	Honorable Mention
2310441	Northeastern University	China	Junchang Xin	B	Honorable Mention
2310569	Nanjing University of Aeronautics and	China	Jie Wen	B	Honorable Mention
2310614	North China Electric Power University	China	Xuelin Yong	B	Honorable Mention
2310691	Beijing Institute of Technology	China	Wang Hongzhou	B	Honorable Mention
2311463	岭南师范学院	China	xiong Liu	B	Honorable Mention

2023 MCM Problem B Contest Results

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2311478	Northeastern University (CN)	China	Ping Che	B	Honorable Mention
2311623	Beihang University	China	Na Wang	B	Honorable Mention
2311705	Northeastern University (NEU) China	China	Lin Mingxiu	B	Honorable Mention
2311732	Shandong University(Weihai)	china	Huaqing Sun	B	Honorable Mention
2311774	Dalian Polytechnic University	China	Liu Shengxuan	B	Honorable Mention
2311886	China University of Mining and Technology	China	Lei Zhang	B	Honorable Mention
2312012	Dalian University of Technology	China	Yonggang Fan	B	Honorable Mention
2312187	Southern University of Science and	China	Jingzhi Li	B	Honorable Mention
2312197	Renmin University of China	China	Sijia Luo	B	Honorable Mention
2312357	Chang'an University	China	Weibo Yu	B	Honorable Mention
2312429	Chang'an University	China	Kaiming Wang	B	Honorable Mention
2312933	Nanjing University of Posts and	China	Wu Sainan	B	Honorable Mention
2312937	Nanjing University of Posts and	China	Wu Sainan	B	Honorable Mention

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2312946	Nanjing University of Posts and	China	Wu Sainan	B	Honorable Mention
2312987	Beihang University	China	Guo Binghui	B	Honorable Mention
2312996	Wuhan University of Technology	China	Chen Jianye	B	Honorable Mention
2313031	China agricultural University	China	Mingyun Tang	B	Honorable Mention
2313190	XIDIAN UNIVERSITY	China	Wen Yuxuan	B	Honorable Mention
2313200	Zhejiang University of Finance and	China	Ji Luo	B	Honorable Mention
2313296	Yunnan University	China	Shuting Yang	B	Honorable Mention
2313362	Northeastern University	china	Li Ning	B	Honorable Mention
2313371	Tsinghua University	China	Heng Liang	B	Honorable Mention
2313840	Zhejiang Wanli University	China	Tong Sun	B	Honorable Mention
2313895	Lanzhou University	China	Wenting Zhang	B	Honorable Mention
2314048	Northeastern University	China	Ying Liu	B	Honorable Mention
2314055	Qilu University of Technology	China	Yulin Huang	B	Honorable Mention

2023 MCM Problem B Contest Results

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2314127	Nanjing Tech University	CHINA	Xiaowei Deng	B	Honorable Mention
2314467	Soochow University	China	Kui Wang	B	Honorable Mention
2314470	South China Normal University	China	Yang Tan	B	Honorable Mention
2314677	Ocean University of China	China	Xinyue Gao	B	Honorable Mention
2314902	Tianjin University	China	Liu Xiaohong	B	Honorable Mention
2315555	Neijiang Normal University	China	Lian-Ming Mou	B	Honorable Mention
2315866	Fuzhou University	China	Qinghua Chen	B	Honorable Mention
2315959	North China University of Science and	China	DING HONGLING	B	Honorable Mention
2316042	Yanshan University	China	Ren Fuquan	B	Honorable Mention
2316207	Fuzhou University	China	Yong Zhou	B	Honorable Mention
2316291	Xidian University	China	Changrong You	B	Honorable Mention
2316684	Hainan Vocational University of Science	China	Zhi hao Jiang	B	Honorable Mention
2316928	Liaoning Technical University	China	Shijie Zhao	B	Honorable Mention

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2317088	Xidian University	China	Huanhuan Li	B	Honorable Mention
2317148	Capital Normal University	China	guowenwen	B	Honorable Mention
2317709	Beijing University of Posts and	China	Jiankui Yang	B	Honorable Mention
2317795	Chongqing Jiaotong University	China	Wenming Cao	B	Honorable Mention
2317811	Jiangsu Normal University	China	Xianbin	B	Honorable Mention
2317910	Peking University	China	Zijing Dong	B	Honorable Mention
2317939	Nanjing University of Posts and	China	Zhenzhen Yang	B	Honorable Mention
2317966	Chongqing Jiaotong University	China	Lei Zhang	B	Honorable Mention
2318022	East China Normal University	China	Xiaohang Huang	B	Honorable Mention
2318342	University of Exeter	United Kingdom	Tingwen Ruan	B	Honorable Mention
2318387	Dalian University	China	Gao Xubin	B	Honorable Mention
2319134	North University of China	China	Tian Chong	B	Honorable Mention
2319514	Chongqing University of Science and	China	Li Zheng	B	Honorable Mention

2023 MCM Problem B Contest Results

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2319610	University of Illinois at Urbana-Champaign	USA	Zihao Li	B	Honorable Mention
2320043	Henan Polytechnic University	China	Li Wenling Zhang Hongtao	B	Honorable Mention
2320328	Xi'an Jiaotong University	China	Lei Chen	B	Honorable Mention
2320582	Ningbo University	China	Maohua Li	B	Honorable Mention
2320677	Zhejiang University	China	Thomas Honold	B	Honorable Mention
2320687	Hanoi Mathematical Modelling	Vietnam	Nguyen Ngoc Hai	B	Honorable Mention
2321077	Beihang University	China	Hongqi Li	B	Honorable Mention
2321096	China University of Mining and Technology	China	Qili Wang	B	Honorable Mention
2321235	Ningbo University	China	Mengmeng Xie	B	Honorable Mention
2321299	Lanzhou University	China	SHI JIALU	B	Honorable Mention
2321724	Henan Polytechnic University	China	Li Wenling Shao Shuijun	B	Honorable Mention
2321734	Henan Polytechnic University	China	Wang Yanfang Han Xuefeng	B	Honorable Mention
2322163	South University of Science and	China	Shengding Liu	B	Honorable Mention

2023 MCM Problem B Contest Results

Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2322829	Shippensburg University	USA	Johnna Goble	B	Honorable Mention
2300039	Harbin Institute of Technology, Weihai	China	Chen Tianrui	B	Successful Participant
2300125	Harbin Institute of Technology, Weihai	China	Jiang Wei	B	Successful Participant
2300221	Shanghai University	China	Jianjia Wang	B	Successful Participant
2300235	University of Electronic Science and	China	Li Mingqi	B	Successful Participant
2300287	University of Electronic Science and	China	Yong Zhang	B	Successful Participant
2300361	Jiangnan University	China	Yufu Li	B	Successful Participant
2300486	Hebei University of Technology	China	Jiixin Hu	B	Successful Participant
2300629	Ningbo University	China	Yangong Zheng	B	Successful Participant
2300637	China University of Petroleum - Beijing	China	Wei Liu	B	Successful Participant
2300638	Tiangong University	China	Sun Baoshan	B	Successful Participant
2300671	Beijing Information Science and	China	Xianghua Meng	B	Successful Participant
2300692	Harbin Institute of Technology, Weihai	China	Jiang Wei	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2300699	Harbin Institute of Technology, Weihai	China	Chen Tianrui	B	Successful Participant
2300727	Ocean University of China	China	Tonghui Zhang	B	Successful Participant
2300790	East China Normal University	China	Yuanzhi Yao	B	Successful Participant
2300839	Zhejiang University of Finance &	China	Xiangrong Shi	B	Successful Participant
2300893	Nanjing University	China	Zhicheng Zhu	B	Successful Participant
2300951	Sichuan normal university	China	lvwangyong	B	Successful Participant
2301053	East China University of Technology	CHINA	Kangxiu HU	B	Successful Participant
2301108	Sichuan University	China	Hao Jiaxian	B	Successful Participant
2301128	Yabian University	China	Hua Nan	B	Successful Participant
2301169	East China University of Technology	CHINA	Yunliang ZHANG	B	Successful Participant
2301186	Shenzhen MSU-BIT University	China	Shenghui Yi	B	Successful Participant
2301210	East China University of Technology	CHINA	Wenjuan ZHANG	B	Successful Participant
2301227	East China University of Technology	CHINA	Qisheng YAN	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2301365	East China University of Technology	China	Zhousheng Ruan	B	Successful Participant
2301413	Huazhong University of Science and	China	Renzhi Lu	B	Successful Participant
2301452	Shanghai University	China	Jianjia Wang	B	Successful Participant
2301500	China Medical University	China	Lianfeng Shan	B	Successful Participant
2301505	HUBEI UNIVERSITY OF ECONOMICS	China	Song Juan	B	Successful Participant
2301546	East China University of Technology	CHINA	Li Lei	B	Successful Participant
2301571	Shandong Jianzhu University	China	Shuang Wang	B	Successful Participant
2301622	Xi'an Jiaotong University	China	Haoyu Dai	B	Successful Participant
2301625	Chongqing Metropolitan College of Science	China	Lijing Wang	B	Successful Participant
2301738	QuFu Normal University	China	Zhenguo Xu	B	Successful Participant
2301938	Fudan University	China	Zhijie Cai	B	Successful Participant
2301993	Shanghai University of International	China	Rui Li	B	Successful Participant
2302048	HeBei University of tech	China	Ting Zang	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2302112	Chongqing University	China	QU GONG	B	Successful Participant
2302121	YANGTZE NORMAL UNIVERSITY	China	Yunlong Wu	B	Successful Participant
2302219	Shanghai University of International	China	Xin Liu	B	Successful Participant
2302293	North China Electric Power University	CHINA	Jiao Lianzu	B	Successful Participant
2302323	North China Electric Power University	CHINA	Jiao Lianzu	B	Successful Participant
2302332	North China Electric Power University	CHINA	Jiao Lianzu	B	Successful Participant
2302437	Tianjin University	China	Teachers Group	B	Successful Participant
2302470	Beijing Jiaotong University	China	Chuanqi Li	B	Successful Participant
2302478	Shanghai University of International	China	Rui Li	B	Successful Participant
2302697	Huazhong University of Science and	China	Yitong Li	B	Successful Participant
2302711	Shandong University of Science and	China	Xiong Yuxin	B	Successful Participant
2303163	Harbin Engineering University	China	Zhang Xiaowei	B	Successful Participant
2303217	Harbin Engineering University	China	Wang Shujuan	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2303258	Harbin Engineering University	China	Wang Shujuan	B	Successful Participant
2303289	Harbin Engineering University	China	Gao Zhenbin	B	Successful Participant
2303295	Harbin Engineering University	China	Gao Zhenbin	B	Successful Participant
2303336	Harbin Engineering University	China	Gao Zhenbin	B	Successful Participant
2303608	Beihang University	China	Lei Wang	B	Successful Participant
2303792	Harbin Engineering University	China	Liu Dongping	B	Successful Participant
2303793	Harbin Engineering University	China	Liu Dongping	B	Successful Participant
2303841	Harbin Engineering University	China	Zhang Lijian	B	Successful Participant
2303939	Beihang University	China	Guo Bing Hui	B	Successful Participant
2304086	Huazhong University of Science and	China	Jiang Tang	B	Successful Participant
2304116	Hefei University of Technology	China	Qingwei Guo	B	Successful Participant
2304117	Wuhan Institute of Technology	China	None	B	Successful Participant
2304119	Tongji University	China	Jae Kyu Choi	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2304171	Beijing Institute of Technology	China	Yuli ZHANG	B	Successful Participant
2304181	Beijing Institute of Technology	China	Yuli ZHANG	B	Successful Participant
2304236	Hefei University of Technology	China	Jianjun Jin	B	Successful Participant
2304262	Sichuan University	China	He Zhirong	B	Successful Participant
2304319	Beijing Institute of Technology	China	Wang Hongzhou	B	Successful Participant
2304350	North China Electric Power University	CHINA	Jiao Lianzu	B	Successful Participant
2304379	Chengyi College, Jimei University	China	Wei Zhao	B	Successful Participant
2304385	Beijing Institute of Technology	China	Wang Hongzhou	B	Successful Participant
2304409	Yanbian University	China	Guanghui Jin	B	Successful Participant
2304423	China University of Petroleum	China	Xian Shan	B	Successful Participant
2304434	China University of Petroleum	China	Guo Hui	B	Successful Participant
2304443	Dalian University of Technology	China	Qihui Pan	B	Successful Participant
2304531	Beihang University	China	Lei Wang	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2304638	Dalian Maritime university	China	Lidong Wang	B	Successful Participant
2304672	Innopolis University	Russia	Dmitry Bebchuk	B	Successful Participant
2304856	Dalian University of Technology	China	Qihui Pan	B	Successful Participant
2305059	Dalian Maritime Universtiy	China	Xuesong Liu	B	Successful Participant
2305167	Xi'an University of Architecture and	China	Ming Di	B	Successful Participant
2305174	China University of Petroleum(huadong)	China	Rengang Shi	B	Successful Participant
2305283	Dalian University of Technology	China	Qihui Pan	B	Successful Participant
2305318	South China University of Technology	China	Weijian Ding	B	Successful Participant
2305404	Nanjing University of Science and	China	Baocheng Li	B	Successful Participant
2305441	Beihua University	China	Cao Mingyuan, Pang Bo	B	Successful Participant
2305501	Dalian University of Technology	China	Yonggang Fan	B	Successful Participant
2305574	China University of Petroleum (East China)	China	Liu Yusong	B	Successful Participant
2305617	HaiKou University of Economic	China	Yan Yan	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2305622	China University of Petroleum (East China)	China	Liu Yusong	B	Successful Participant
2305757	China University of Petroleum (East China)	China	Yang Lei	B	Successful Participant
2305758	China University of Petroleum (East China)	China	Yang Lei	B	Successful Participant
2305885	Beijing University of Chemical Technology	China	Lanxi Xu	B	Successful Participant
2305892	Beijing University of Chemical Technology	China	Yiduo Wang	B	Successful Participant
2305896	East China University of Technology	China	Guang Zeng	B	Successful Participant
2306003	Nanjing University of Science and	China	Liqin Zhang	B	Successful Participant
2306047	XIDIAN UNIVERSITY	China	Hong Li	B	Successful Participant
2306088	Nanjing University of Science & Technology	China	Zhengjun Zhang	B	Successful Participant
2306122	XIDIAN UNIVERSITY	China	Xuqing Bai	B	Successful Participant
2306200	China University of Petroleum (East China)	China	Liu Yusong	B	Successful Participant
2306217	Shandong Institute of Petroleum and	China	Jie Chi	B	Successful Participant
2306249	GanDong College	China	Yuechan Song	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2306570	China University of Mining and Technology	CHINA	YONGQIANG QI	B	Successful Participant
2306641	Liaoning Technical University	China	Huiming Wu	B	Successful Participant
2306714	BNU-HKBU United International College	China	UIC Math Modeling Team	B	Successful Participant
2306732	Beijing University of Civil Engineering and	China	Caiyong Wang	B	Successful Participant
2306762	SUN YAT-SEN UNIVERSITY	China	Jingheng Cai	B	Successful Participant
2306890	China University of Petroleum Beijing at	China	Yanke Ren	B	Successful Participant
2307097	Fujian Normal University	China	Minqing Xiao	B	Successful Participant
2307124	Liuzhou Institute Of Technology	China	Jinsheng Zhang	B	Successful Participant
2307138	Qingdao Huanghai University	China	Yongchun Jiang	B	Successful Participant
2307141	Hangzhou Normal University	China	Yuexia HUANG	B	Successful Participant
2307147	Hangzhou Normal University	China	Yuexia HUANG	B	Successful Participant
2307172	Hangzhou Normal University	China	Dibing Zhou	B	Successful Participant
2307290	Hangzhou Normal University	China	Yu Xia	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2307480	Harbin Institute of Technology, Shenzhen	China	Ciwei Kuang	B	Successful Participant
2307492	Nanjing University of Posts and	China	Lihua Min	B	Successful Participant
2307502	Beijing Forestry University	China	HongJun Li	B	Successful Participant
2307673	Shijiazhuang Tiedao University	China	None	B	Successful Participant
2307720	Nanjing University of Posts and	China	Lihua Min	B	Successful Participant
2307843	Huazhong University of Science and	China	Xin Wu	B	Successful Participant
2307911	Beijing Normal University	China	Hongyu Zhou	B	Successful Participant
2307936	Hangzhou Normal University	China	Zhang Huizeng	B	Successful Participant
2307967	South China Normal Universiy	China	Deng Jian	B	Successful Participant
2308043	Dalian University of Technology	China	Yonggang Fan	B	Successful Participant
2308096	ChongQing Medical University	China	Liping Wan	B	Successful Participant
2308101	China University Of Geosciences Beijing	China	Xin Lei	B	Successful Participant
2308207	Dongbei University of Finance and	China	Jinrui Wei	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2308282	Xi'an Jiaotong University City College	China	Jucheng Ren	B	Successful Participant
2308346	Hunan Institute of Science and Technology	China	Lingling Xia	B	Successful Participant
2308354	Hunan Institute of Science and Technology	China	Wangbin Cheng	B	Successful Participant
2308388	Jiangsu Normal University	China	Xianbin Li	B	Successful Participant
2308459	Nanjing University of Posts and	China	Xinxiu Li	B	Successful Participant
2308470	Nanjing University of Posts and	China	Xinxiu Li	B	Successful Participant
2308498	Shantou University	China	Zeja Xie	B	Successful Participant
2308703	Xi'an Jiaotong University City College	China	Donghong Yang	B	Successful Participant
2308782	Xi'an Jiaotong University City College	China	Donghong Yang	B	Successful Participant
2308830	Nanjing University of Posts and	China	Zenhua Yang	B	Successful Participant
2308855	Southeast University	China	Enshui Chen	B	Successful Participant
2308955	Southeast University	China	Rui Du	B	Successful Participant
2308960	Huazhong University of Science and	China	Haoyuan Xu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2309155	Chang'an University	China	Tianjun Wu	B	Successful Participant
2309172	Beijing Normal University at Zhuhai	China	Jin Yu	B	Successful Participant
2309210	Tongji University	China	Meisong Tong	B	Successful Participant
2309211	Shanghai University	China	Jinpeng Tian	B	Successful Participant
2309246	Chang'an University	China	Meng Zhang	B	Successful Participant
2309297	Harbin Institute of Technology	China	Rongning Qu	B	Successful Participant
2309328	Harbin Institute of Technology	China	Rongning Qu	B	Successful Participant
2309406	BNU-HKBU United International College	China	UIC Math Modeling Team	B	Successful Participant
2309417	shenyang jianzhu university	china	xu qicheng	B	Successful Participant
2309468	Beijing Institute of Technology	China	Dawei Shi	B	Successful Participant
2309474	Gannan University of Science and	China	Liying Lan	B	Successful Participant
2309563	Northwestern Polytechnical University	China	Ying Zhang	B	Successful Participant
2309578	Nanjing University of Science and	China	Fang Liu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2309597	Harbin Institute of Technology(Wei Hai)	China	Qiang Ma	B	Successful Participant
2309607	XIDIAN UNIVERSITY	China	Chen Hua	B	Successful Participant
2309608	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Successful Participant
2309644	BNU-HKBU United International College	China	UIC Math Modeling Team	B	Successful Participant
2309668	Hangzhou Normal University	China	Guochun Ma	B	Successful Participant
2309676	Capital University of Economics and	China	Yaoyao Song	B	Successful Participant
2309720	Xi'an Jiaotong University City College	China	Chunmei Jiang	B	Successful Participant
2309731	Hangzhou Normal University	China	He Yingyu	B	Successful Participant
2309749	Nanjing University of Science and	China	Chungen Xu	B	Successful Participant
2309818	Northeastern University	China	Fangling Leng	B	Successful Participant
2309894	Shenzhen University	China	Ailin Zhang	B	Successful Participant
2309978	Shenyang Pharmaceutical University	China	Rongwu Xiang	B	Successful Participant
2310015	Northwestern Polytechnical University	China	Ligong Wang	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2310018	Sichuan University of Science &	China	Changjiang Liu	B	Successful Participant
2310061	Huazhong University of Science and	China	Shituo Ma	B	Successful Participant
2310181	Nanjing University of Science and	China	Zhipeng Qiu	B	Successful Participant
2310195	Jiangxi University of Science and	China	Shichong Zhang	B	Successful Participant
2310229	Suzhou Institute of Technology, Jiangsu	China	Zhang yan	B	Successful Participant
2310390	Southwest University	China	Xiaofang Hu	B	Successful Participant
2310455	Southwest University	China	Ying Lv	B	Successful Participant
2310552	Nanjing University of Aeronautics and	China	Honglin Liao	B	Successful Participant
2310555	Beijing Institute of Technology	China	Kai Zhong	B	Successful Participant
2310598	north china electric power university	china	ma dexiang	B	Successful Participant
2310670	XIDIAN UNIVERSITY	China	Lu Nan	B	Successful Participant
2310760	East China University of Political Science	China	Du Wenjing	B	Successful Participant
2310787	Nanjing University of Aeronautics and	China	Yuzhen Guo	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2310837	Shanghai University of Finance and	China	Qingyang Wang	B	Successful Participant
2310846	Nanjing University of Aeronautics and	China	Wang Kong	B	Successful Participant
2310848	Xi'an Jiaotong University	China	Long Chen	B	Successful Participant
2310864	Southwest University	China	Ying Lv	B	Successful Participant
2310877	Southwest University	China	Ying Lv	B	Successful Participant
2310884	SouthEast University	China	Du Rui	B	Successful Participant
2310924	Nanjing University of Aeronautics and	China	Maodong Pan	B	Successful Participant
2310937	Nanjing University of Aeronautics and	China	Chunlin Sha	B	Successful Participant
2310945	South China Normal University	China	Xinyu Zhang	B	Successful Participant
2311007	Dalian Polytechnic University	China	Yan Liu	B	Successful Participant
2311015	Nanjing University of Aeronautics and	China	Jian Wu	B	Successful Participant
2311102	Northeastern University	China	Liu Huilin	B	Successful Participant
2311113	Nanjing University of Aeronautics and	China	Quan Yuan	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2311132	Peking University	China	Hao Ge	B	Successful Participant
2311157	Hebei University of Technology	China	None	B	Successful Participant
2311160	Nanjing Agricultural University	China	Hao Zhang	B	Successful Participant
2311221	Shanghai Normal University	China	Qian Guo	B	Successful Participant
2311233	Hunan University	China	Cai Mingjie	B	Successful Participant
2311265	Beijing University of Technology	China	Xiaochen Zeng	B	Successful Participant
2311279	Beijing Information Science and	China	Jiawen Zheng	B	Successful Participant
2311285	Capital University of Economics and	China	Beibei zhang	B	Successful Participant
2311316	Tiangong University	China	Luo Shijie	B	Successful Participant
2311351	Nanjing University of Aeronautics and	China	Ying Zhao	B	Successful Participant
2311384	Chongqing University	China	Tengzhong Rong	B	Successful Participant
2311391	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Successful Participant
2311663	Dalian University Of Technology	China	Yanwei Liu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2311673	NanJing XiaoZhuang University	China	Qi Zhang	B	Successful Participant
2311704	XIDIAN UNIVERSITY	China	Guidong Yang	B	Successful Participant
2311824	Xi'an Jiaotong-Liverpool University	China	Fajin Wei	B	Successful Participant
2311825	Liaoning Technical University	China	Min Zhang	B	Successful Participant
2311830	Liaoning Technical University	China	Min Zhang	B	Successful Participant
2311976	Hebei University of Technology	China	Hongfang Wan	B	Successful Participant
2312039	Chongqing University,China	China	Bin Xu	B	Successful Participant
2312143	China University of Mining and Technology	China	Jian Qiao	B	Successful Participant
2312233	Harbin Institute of Technology	China	Yao Wenjuan	B	Successful Participant
2312246	XIDIAN UNIVERSITY	China	Jia Jiteng	B	Successful Participant
2312250	Harbin Institute of Technology	China	Li Jia	B	Successful Participant
2312291	Truman State University	USA	Donald J Blindner	B	Successful Participant
2312324	Chinese University of HongKong Shenzhen	China	Jizhao Zhang	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2312448	New York University	China	Xinyang Wan	B	Successful Participant
2312515	Xi'an Jiaotong-Liverpool University	China	Haoran Chen	B	Successful Participant
2312530	SUN YAT-SEN UNIVERSITY	China	Biao Tian	B	Successful Participant
2312554	Northeastern University (CN)	China	Yu Kun	B	Successful Participant
2312636	China Agricultural University	China	Hui Zou	B	Successful Participant
2312736	Liaoning Technical University	China	Min Zhang	B	Successful Participant
2312739	Liaoning Technical University	China	Min Zhang	B	Successful Participant
2312757	Chongqing University	China	Wei Huang	B	Successful Participant
2312814	Chongqing University	China	Tengzhong Rong	B	Successful Participant
2312982	Hillsdale College	USA	Paulina Volosov	B	Successful Participant
2312984	Shenzhen University	China	Huijun DING	B	Successful Participant
2313049	Xi'an Jiaotong University	China	Jian Zu	B	Successful Participant
2313072	Southwestern University of Finance and	China	Fengying Li	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2313127	Xidian University	China	李瑞红	B	Successful Participant
2313232	Huaibei Normal University	China	Yunying Zheng	B	Successful Participant
2313237	China agricultural University	China	Hui Zou	B	Successful Participant
2313253	University of Electronic Science and	China	Jiaqi Song	B	Successful Participant
2313306	ShenZhen University	China	Bo Chen	B	Successful Participant
2313360	Tongji University	China	Ziyi Ding	B	Successful Participant
2313374	Beijing Technology and Business	China	Xingding Chen	B	Successful Participant
2313474	UNC - Chapel Hill	USA	Jingfang Huang	B	Successful Participant
2313614	Northeastern University	China	Chuan Zhang	B	Successful Participant
2313658	Chongqing Technology and Business	China	Weiming Yang	B	Successful Participant
2313668	Chengdu University of Technology	China	Jun Feng	B	Successful Participant
2313674	Tianjin University	China	Yuanhui Huang	B	Successful Participant
2313845	Chengdu Neusoft University	China	Duo Zhang	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2313889	Minzu University of China	China	None	B	Successful Participant
2313894	Dalian Polytechnic University	China	Huizhen Yan	B	Successful Participant
2313907	University of Science and Technology	China	Jing Zhu	B	Successful Participant
2314003	NingboTech University	China	Lihui Tu	B	Successful Participant
2314097	Nanjing Tech University	China	Juncai Jiao	B	Successful Participant
2314201	School of Information Science and	China	Wang Rui	B	Successful Participant
2314368	Ludong University	China	Dandan Han	B	Successful Participant
2314461	Wuhan University of Technology	China	Lei Yang	B	Successful Participant
2314512	Northeast Yucai Foreign Language School	China	Zhang Shuting	B	Successful Participant
2314524	Linyi University	China	Zhou Jianwei	B	Successful Participant
2314589	Anhui Jianzhu University	China	Juxiang Wang	B	Successful Participant
2314867	SUN YAT-SEN UNIVERSITY	China	Xiaolong Jiang	B	Successful Participant
2314914	Tianjin University	China	Yang Xue	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2314951	Central University of Finance and	China	Xueying Chu	B	Successful Participant
2314982	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Successful Participant
2314989	China University of Geosciences, Wuhan	China	WangLinFeng Bi	B	Successful Participant
2314995	Guangdong University of Finance &	China	Bingchuan Chen	B	Successful Participant
2315020	Xuhai College of China University of Mining	China	Yuan Zhang	B	Successful Participant
2315021	Hebei University	China	Yan Zhan	B	Successful Participant
2315069	East China University of Political Science	China	DEQIANG CHEN	B	Successful Participant
2315088	Tiangong University	China	Wu Liwei	B	Successful Participant
2315160	Beijing Institute of technology	China	Yan Guifeng	B	Successful Participant
2315197	Northwest A&F University	China	Lifei Zheng	B	Successful Participant
2315198	East China University of Political Science	China	DEQIANG CHEN	B	Successful Participant
2315317	Xiamen University	China	Liye Xiao	B	Successful Participant
2315352	Tiangong University	China	Wang Xiaoyin	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2315510	Hebei University	China	Yan Zhan	B	Successful Participant
2315547	Neijiang Normal University	China	Lian-Ming Mou	B	Successful Participant
2315565	Neijiang Normal University	China	Lian-Ming Mou	B	Successful Participant
2315573	Neijiang Normal University	China	Lian-Ming Mou	B	Successful Participant
2315593	Neijiang Normal University	China	Lian-Ming Mou	B	Successful Participant
2315601	Neijiang Normal University	China	Lian-Ming Mou	B	Successful Participant
2315629	China Agricultural University	China	Yuanchang Shi	B	Successful Participant
2315756	Hebei University of Technology	China	Hai Liu	B	Successful Participant
2315824	Harbin Medical University(Daqing)	China	Junli Cui	B	Successful Participant
2315914	Henan University	China	Zhiguang Liu	B	Successful Participant
2315978	Harbin Institute of Technology	China	Hongwei Liu	B	Successful Participant
2315995	Inner Mongolia University of Finance and	China	Qi Wang	B	Successful Participant
2316044	Beijing University of technology	China	Xu Jiahao	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2316056	Linfield University	USA	Kate Lorenzen	B	Successful Participant
2316079	Wuhan Polytechnic University	China	Zhen Kang	B	Successful Participant
2316096	North China University of Science and	China	HAN YANG	B	Successful Participant
2316218	North China University of Science and	China	WANG DANPING	B	Successful Participant
2316249	SUN YAT-SEN UNIVERSITY	China	Chuan-Xian Ren	B	Successful Participant
2316258	Zhejiang University	China	TAN Zhiyi	B	Successful Participant
2316259	Zhejiang University	China	TAN Zhiyi	B	Successful Participant
2316295	Beihang University	China	Lei Wang	B	Successful Participant
2316459	Xiamen University Malaysia	Malaysia	Jie Liu	B	Successful Participant
2316473	Shenyang Ligong University	China	hua chuanqi	B	Successful Participant
2316563	North China University of Science and	China	XueTao	B	Successful Participant
2316604	Grinnell College	USA	Alan Royce Wolf	B	Successful Participant
2316615	Cornell University	USA	Alexander Vladimirsky	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2316656	Changsha University	China	Wenhao Li	B	Successful Participant
2316669	Hainan Vocational University of Science	China	Limi Chen	B	Successful Participant
2316702	Wuhan Polytechnic University	China	Zhen Kang	B	Successful Participant
2316851	Northeastern University at Qinhuangdao	China	Yanhui Yu	B	Successful Participant
2316878	Hainan Vocational University of Science	China	Zhihao Jiang	B	Successful Participant
2316937	Guangzhou University of Chinese Medicine	China	Xu Ling	B	Successful Participant
2316949	Northeastern University at Qinhuangdao	China	Songshu Liu	B	Successful Participant
2316965	East China University of Science and	China	Rong Wang	B	Successful Participant
2317003	Liaoning Technical University	China	Zhao Guochao	B	Successful Participant
2317025	WuhanUniversity	China	Zhi Gao	B	Successful Participant
2317043	Xi'an University of Finance and Economics	China	Geni Xu	B	Successful Participant
2317061	Lingnan Normal University	China	Zhang Hong Li	B	Successful Participant
2317157	Xi'An Technological University	China	Yamin Zhu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2317170	New York University Shanghai	China	Jinzi Mac Huang	B	Successful Participant
2317182	New York University	USA	Joseph Foster	B	Successful Participant
2317190	New York University	USA	Ken Cereste	B	Successful Participant
2317196	New York University	USA	Joseph Esposito	B	Successful Participant
2317197	New York University	USA	Lindsey Van Wagenen	B	Successful Participant
2317254	Ocean University of China	China	Zhuqing Chen	B	Successful Participant
2317295	Donghua University	China	Yong Wu	B	Successful Participant
2317300	Jiangsu University	China	Linjun Wang	B	Successful Participant
2317330	Chongqing Jiaotong University	China	Jin Hu	B	Successful Participant
2317430	Jilin University	China	KONG Fansen	B	Successful Participant
2317529	Jilin University	China	WANG Chunpeng	B	Successful Participant
2317547	Jilin University	China	WANG Mingchang	B	Successful Participant
2317555	Jilin University	China	WANG Ruishu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2317632	Jilin University	China	YU Haoran	B	Successful Participant
2317700	Zhejiang Ocean University	China	PENG BAI	B	Successful Participant
2317782	Hohai University	China	Yongfu Yang	B	Successful Participant
2317819	Shijiazhuang Vocational and Technical	China	Mohan Li	B	Successful Participant
2317930	Nanjing University of Posts and	China	Zhenzhen Yang	B	Successful Participant
2317933	Nanjing University of Posts and	China	Zhenzhen Yang	B	Successful Participant
2318055	Jilin University	China	HAN Yuzhu	B	Successful Participant
2318117	Jilin University	China	MA Shiqi	B	Successful Participant
2318154	Tsinghua University	China	Heng Liang	B	Successful Participant
2318161	Beijing Normal University	China	Dingqi Li	B	Successful Participant
2318166	Beijing Institute of Petrochemical	China	Limin Cui	B	Successful Participant
2318257	Nanchang Institute of Technology	China	Zhiqiang Zeng	B	Successful Participant
2318290	Hohai University	China	Jianpeng Wang	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2318312	Hohai University	China	Fenglian Yang	B	Successful Participant
2318327	Hohai University	China	Jianbin Yang	B	Successful Participant
2318333	Hohai University	China	Zhen Hu	B	Successful Participant
2318343	Hohai University	China	Zhenghua Shi	B	Successful Participant
2318344	Hohai University	China	Zhenghua Shi	B	Successful Participant
2318487	Huazhong Agricultural University	China	Fang Hong	B	Successful Participant
2318503	University of Chinese Academy of Sciences	China	Hui Liu	B	Successful Participant
2318560	Nanjing University	China	Jiacheng Gao	B	Successful Participant
2318603	Kunming University of Science and	China	Nan Pan	B	Successful Participant
2318666	Qufu Normal University	China	Wei Xu	B	Successful Participant
2318806	Beijing Institute of Technology, Zhuhai	China	Yuntao Jia	B	Successful Participant
2318819	Dalian University	China	Liu Guangzhi	B	Successful Participant
2318914	Geely University of China	China	Xiaoping Li	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2318936	Century College, Beijing University of Posts	China	ZHANG,XIAOXI	B	Successful Participant
2319001	The Chinese University of HongKong,	China	Yueyan Wu	B	Successful Participant
2319140	Shenzhen Institute of Information	china	Lin, Yuan	B	Successful Participant
2319144	Shenzhen Institute of Information	china	Jiang, Yu	B	Successful Participant
2319159	Beijing Univ. of Posts and Telecomm	China	He Zuguo	B	Successful Participant
2319207	Huizhou University	China	Mingcan Fan	B	Successful Participant
2319228	North University of China	China	Yao Linhong	B	Successful Participant
2319265	Chongqing University of Posts and	China	Yifeng Niu	B	Successful Participant
2319285	North University of China	China	Cao Wenjun	B	Successful Participant
2319321	Huazhong University Of Science And	China	Haoyuan Xu	B	Successful Participant
2319353	Shanghai Normal University	China	panxiaoqing	B	Successful Participant
2319389	Jinan University	China	Suohai Fan	B	Successful Participant
2319418	Sichuan University	China	Shiyang You	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2319428	University of International Business and	China	Yun Ge	B	Successful Participant
2319504	Guangdong University of Technology	China	QiMing Xu	B	Successful Participant
2319526	Southern University of Science and	China	Wang Songhao	B	Successful Participant
2319648	Beijing Forestry University	China	Liu Li	B	Successful Participant
2319673	Hangzhou Normal University	China	Chu Huang	B	Successful Participant
2319716	National University of Defense Technology	China	Yangbin Tang	B	Successful Participant
2319744	Wuhan University	China	Zhiyong Lin	B	Successful Participant
2319793	National University of Defense Technology	China	Tingjin Luo	B	Successful Participant
2319833	Hohai University	China	Binwu Zhang	B	Successful Participant
2319843	Guizhou Normal University	China	Hao Li	B	Successful Participant
2319844	NingXia Teachers University	China	Lihong Chang	B	Successful Participant
2319946	Northeast Agricultural University	China	Peng Wang	B	Successful Participant
2319966	Xidian University	China	Qiang Zhu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2319993	Southwest Minzu University	China	Song Rongrong	B	Successful Participant
2320037	Southwest Minzu University	China	Miao Jiaqing	B	Successful Participant
2320109	The Chinese University of Hong Kong,	China	Chuangxin Zhou	B	Successful Participant
2320118	Shanghai Jiao Tong University	China	Xiaofeng Gao	B	Successful Participant
2320241	Fujian University of Technology	China	Zhuming Zeng	B	Successful Participant
2320252	Jinan University	China	Mingqi Chen	B	Successful Participant
2320256	Qiqihar Medical University	China	Yunna Song	B	Successful Participant
2320323	Xi'an Jiaotong University	China	Lei Chen	B	Successful Participant
2320345	Youngstown State University	USA	Paddy Taylor	B	Successful Participant
2320357	Youngstown State University	USA	Paddy Taylor	B	Successful Participant
2320359	Youngstown State University	USA	Paddy Taylor	B	Successful Participant
2320408	Virginia Tech	USA	Andrea Carracedo Rodriguez	B	Successful Participant
2320422	Oregon State University	USA	Farid Bouya	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2320434	Hunan Agricultural University	China	Mingchun Wang	B	Successful Participant
2320435	New Mexico Tech	USA	Gilberto Gonzalez-Parra	B	Successful Participant
2320595	Lanzhou University of Technology	China	Li Jun	B	Successful Participant
2320761	Wenzhou University	China	Yanwei Wang	B	Successful Participant
2320782	University of Adelaide	Australia	Jordan Pitt	B	Successful Participant
2320799	Taiyuan University of Science and	China	Jie Yang	B	Successful Participant
2320922	Dalian University of Technology	China	tiantiansu	B	Successful Participant
2320948	Huazhong University of Science and	China	Jie Gao	B	Successful Participant
2320960	Zhongyuan University of Technology	China	Cong Gu	B	Successful Participant
2321130	Hohai University	China	Xiangqin Meng	B	Successful Participant
2321162	University College Dublin	Ireland	James Herterich	B	Successful Participant
2321176	Xi'an Jiaotong University	China	Lei Chen	B	Successful Participant
2321228	Shenzhen University	China	Yanhong Gu	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2321246	Ningbo University	China	Mengmeng Xie	B	Successful Participant
2321254	Zhongyuan University of Technology	China	Huaqiang Zhou Jingyong	B	Successful Participant
2321264	Jiangxi Science &Technology Normal	China	Minghui Li	B	Successful Participant
2321272	Jiangsu Ocean University	China	Ru-Chao SHI	B	Successful Participant
2321357	University of Science and Technology of	China	Zeng Zhiyuan	B	Successful Participant
2321392	Lanzhou University of Technology	China	Canyun Huang	B	Successful Participant
2321447	Beijing Institute of Technology, Zhuhai	China	Dujuan Zhou	B	Successful Participant
2321458	Hohai University	China	Qian Sun	B	Successful Participant
2321530	Ningbo University	China	Lihong Wang	B	Successful Participant
2321558	Zhejiang Ocean University	China	Zhisong Liu	B	Successful Participant
2321617	Shanghai Institute of Technology	China	Zongwei Xu	B	Successful Participant
2321699	Xiamen University	China	Yunfeng Wu	B	Successful Participant
2321722	Henan Polytechnic University	China	Xu Shunwei Shao Shuijun	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2321740	University of Science and Technology	China	Jiamei Wu	B	Successful Participant
2321774	Quanzhou University of information	China	Xinxin Tan	B	Successful Participant
2321785	Quanzhou University of information	China	Xinxin Tan	B	Successful Participant
2321810	曲阜师范大学日照校区	China	王伊蕾	B	Successful Participant
2321813	Peking University	China	Jing Wang	B	Successful Participant
2321926	Dongguan University of Technology	China	Xuxian Ruan	B	Successful Participant
2322067	South-Central Minzu University	China	Jing Cao	B	Successful Participant
2322131	Fuzhou University	China	Jiayi Huang	B	Successful Participant
2322158	Nanjing University of Information Science &	China	Yewen Wu	B	Successful Participant
2322187	Carleton College	USA	Rob Thompson	B	Successful Participant
2322190	Carleton College	USA	Rob Thompson	B	Successful Participant
2322224	Liaoning University	China	Yanjing Liao	B	Successful Participant
2322231	Renmin University of China	China	Haoyuan Deng	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2322245	Guangxi University of Science and	China	Ling Liao , Haiying Mao	B	Successful Participant
2322339	Wuhan University of Science and	China	Qiaoling Xiao	B	Successful Participant
2322464	China University of Petroleum-Beijing at	China	Shujin WU	B	Successful Participant
2322482	Kwangwoon University	South Korea	Jinwoo Lee	B	Successful Participant
2322500	Nanchang University	China	Chunyang Ma	B	Successful Participant
2322502	Chongqing University of Science and	China	Jing Fu	B	Successful Participant
2322560	Central University of Financial and	China	Zhuo Diao	B	Successful Participant
2322574	Davidson College	USA	Laurie Heyer	B	Successful Participant
2322655	Shandong Police College	China	SZJ LHH NXX SHJ	B	Successful Participant
2322662	Huazhong University of Science and	China	Chengren Yan	B	Successful Participant
2322696	Beijing University of Civil Engineering and	China	Chuanqing XU	B	Successful Participant
2322770	College of Advanced Manufacturing	China	lianghengrui	B	Successful Participant
2322824	United States Military Academy Preparatory	USA	Elizabeth Giebler	B	Successful Participant

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2300849	Sichuan Normal University	China	Kaiduan Wang	B	Unsuccessful - I
2310616	Southwest University	China	Ying Lv	B	Unsuccessful - I
2317263	Shantou University	China	Zhi-Bin Wang	B	Unsuccessful - I
2301021	Jinan University Zhuhai Campus	China	Yuanbiao Zhang	B	Disqualified - P
2301322	Dalian University of Technology	China	Jingjing Zhan	B	Disqualified - P
2302261	Baotou Teachers College	China	Bing Tian	B	Disqualified - P
2303140	Qufu Normal University	China	Yulong Wu	B	Disqualified - P
2303622	Beijing Jiaotong University	China	Chuanqi Li	B	Disqualified - P
2304716	Xiamen University	China	Pengfei Guo	B	Disqualified - P
2304762	Dalian University of Technology	China	Qihui Pan	B	Disqualified - P
2304963	Dalian Maritime University	China	Hong Gao	B	Disqualified - P
2305690	Hunan University of Science and	China	Guangjin Zhang	B	Disqualified - P
2305970	Shanghai International Studies University	China	Ruijing Wu	B	Disqualified - P

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2306011	Henan University of Urban Construction	China	Yapeng Lu	B	Disqualified - P
2307928	China University of Geosciences Beijing	China	ZHIDAOXIAOZU	B	Disqualified - P
2308476	Hangzhou Normal University	China	Guochun Ma	B	Disqualified - P
2309550	Nanjing University of Posts and	China	Jiashan Tang	B	Disqualified - P
2309820	XIDIAN UNIVERSITY	China	Meng Hongyun	B	Disqualified - P
2309870	Wuhan University Wuhan,Hubei China	China	Xvchao Li	B	Disqualified - P
2309872	Northwestern Polytechnical University	China	Hongwei She	B	Disqualified - P
2309904	University of International Relations	China	Xin Tang	B	Disqualified - P
2310117	Northeastern University	China	Wei Li	B	Disqualified - P
2310228	Soochow University	china	Shen Qixuan	B	Disqualified - P
2311048	Zhejiang Sci-Tech University	China	Yifan Ding	B	Disqualified - P
2311049	Southwest University	China	Ying Lv	B	Disqualified - P
2311505	Sichuan University	China	None	B	Disqualified - P

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2311709	Northeastern University	China	Dan Yang	B	Disqualified - P
2311872	Harbin Institute of Technology	China	Wu Boying	B	Disqualified - P
2311902	Xi'an Jiaotong-Liverpool University	China	Fei Ma	B	Disqualified - P
2312365	Shijiazhuang Tiedao University	China	Yongxiang Zheng	B	Disqualified - P
2313955	Jinan University	China	Xiaoning Zheng	B	Disqualified - P
2314303	Changchun Normal University	China	Renyun Liu	B	Disqualified - P
2314502	China Three Gorges University	China	Ben Tong	B	Disqualified - P
2315204	Guangzhou University	China	Zhiwei Yu	B	Disqualified - P
2315391	Shenyang Aerospace University	China	Wei LiFeng	B	Disqualified - P
2316095	Fuzhou University	China	Yong Zhou	B	Disqualified - P
2316958	Xi'an International Studies University	China	Jinghan Zhang	B	Disqualified - P
2317383	Jilin University	China	FU Yao	B	Disqualified - P
2317963	University of Science and Technology of	China	QingFang Liu	B	Disqualified - P

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Ctrl #	Institution	Country/Region	Advisor	Problem	Designation
2317985	Xi'an Jiaotong-Liverpool University	China	Fajin Wei	B	Disqualified - P
2318780	Beijing Institute of Petrochemical	CHina	Shuang Chen	B	Disqualified - P
2319356	Hohai University	China	Jianpeng Wang	B	Disqualified - P
2319913	Henan Polytechnic University	China	Ban Tao Li Heng	B	Disqualified - P
2320448	Rongcheng College of Harbin University of	China	Zemin Ma	B	Disqualified - P
2321026	Zhejiang University	China	Gaoang Wang	B	Disqualified - P
2321028	西安交通大学	China	王鲁生	B	Disqualified - P
2321284	Inner Mongolia University	China	Jianxin Zhang	B	Disqualified - P
2321427	Shandong University	China	Lei Tang	B	Disqualified - P
2322660	Beijing University of Technology	China	Xin Liu	B	Disqualified - P
2322735	Nanjing University of Aeronautics and	CHINA	Yiquan Wu	B	Disqualified - P
2302209	Sichuan normal university	China	lwangyong	B	Not Judged
2302210	Sichuan normal university	China	lwangyong	B	Not Judged