

DAILY NEWS

news from the 24th International Olympiad in Informatics



Message to the contestants



The 24th International Informatics Olympics is about to begin.

You are the protagonists, contestants from all over the world. I understand and believe your tension is natural.

It means you've caught the spirit of the Olympics in the right way and are aware that this is an important occasion for your future. I know that you merit the honor of participating at this important, international event and representing your country. Firstly, because you are here following a stringent selection process in your country amongst numerous, fierce peers. Secondly, because your participation is not improvised, but the outcome of profuse, personal effort in your studies during all the years of your scholastic career. Therefore, it is due to your effort first of all, but also of your leaders, deputy leaders and teachers who have stimulated you and set the example during the course of your scholastic career. So I wish you the success you deserve in this competition. I'm sure you'll have the opportunity to enrich yourselves from a human point of view, meeting other young people who share your same expectations and forming relationships and possible friendships with your competitors. I hope when you return home, you can bring with you a good memory of Italy and of the hospitality you have received.

Giuseppe Colosio
Chair of IOI 2012



photo by Cristina Sali



calendar

September 2012

- Sunday 23 • **Arrival Day**
- Monday 24 • **Opening Ceremony, Practice Session**
- Tuesday 25 • **Competition Day 1**
- Wednesday 26 • **Excursion 1**
- Thursday 27 • **Competition Day 1**
- Friday 28 • **Excursion 2**
- Saturday 29 • **Closing Ceremony**
- Sunday 30 • **Departure Day**



Welcome to Italy

the cradle of western culture

- 20 regions
- 107 provinces
- 60.8 million people
- 23rd most populous country in the world

Going around this boot-shaped peninsula you will certainly come upon artistic monuments that bear witness

to its ancient culture. It is here that amazing leaps in civilization took place from the Roman Empire through the Renaissance to the present. Thus Italy has always played a leading role in international cultural development thanks to the works of exceptional figures in their field such as Dante Alighieri and Leonardo da Vinci. While being a relatively young country - last year Italy celebrated 150 years of unification - Italians have always actively participated in international scientific and cultural growth. Events such as EXPO 2015 in Milan and IOI 2012 in Sirmione testify that, in spite of the current economic crisis, Italy is still a dynamic and forward-looking country. Italian style and flair continue to provide inspiration worldwide.



life in Lombardy

Lombardy: soaring towards the future!
 Lombardy, with more than 10 million inhabitants, is the most populous and richest region in Italy and its capital is Milan.
 This geographical area was occupied since the 2nd millennium BC by populations such as the

Etruscans, the Celts and, of course, the Romans. After the fall of the Roman Empire, it was invaded by the Longobardi (who gave the region its name) who settled here until 774 AD, when Charlemagne annexed the Kingdom of Italy. This is when the region's economy started its irresistible rise. Lombardy is essentially a border region, ruled for long periods by the French and Austrians, it has at the same time profited from its position as

a commercial crossroads. It is a beautiful region, where well-preserved medieval cities with world-class art and architecture, combine with the breathtaking scenery of its magnificent lakes and mountains. Don't miss your chance to discover it!



Tagliatelle al Ragù alla Bolognese

snack

tomato sauce;
ground beef and pork;
bacon;
meat broth;
salt and pepper;
tagliatelle.

Ragù alla Bolognese is a typical pasta topping from Bologna. It is a tomato sauce with meat, usually served as a dressing for tagliatelle (long flat pasta). Ragù has to slowly cook for several hours. Then it can be used with Italian béchamel sauce for preparing lasagna.



byte

Leonardo da Vinci

Once you have learnt to fly, you will always walk on the ground looking up to the sky, because once you've been there, you will always long to return there

social

twitter

MyIOI2012 Competition

Report on the International Olympiad in Informatics with your own tweet, photo or video (30 sec. max.!) The best entries will be published on the website of the event.

Tweets, photos and videos must be relevant to one or more of the many aspects of IOI: competition, digital culture, multiculturalism, cooperation.

How to enter the competition

Post a tweet with the hashtag #myioi2012. In the case of photos or videos post a link to the resource.

IOI 2012 on the web

- Website - www.ioi2012.org
- Newsletter - www.ioi2012.org/newsletter
- Facebook - www.facebook.com/ioi2012Italy
- Youtube - www.youtube.com/user/ioi2012media
- Twitter - <https://twitter.com/IOI2012>; official hashtag: #ioi2012

happy birthday



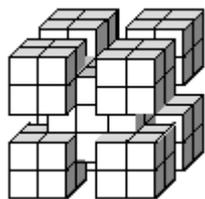
23 September
Kunal Singhal (India)
Youssef Ibrahim (Egypt)

games

1 Sticky cubes

The ribbon surrounding the large cube (5x5) was sticky. When it was removed, each of the small cubes in contact with it got detached, as shown in the figure.

How many small cubes are there in the remaining solid?

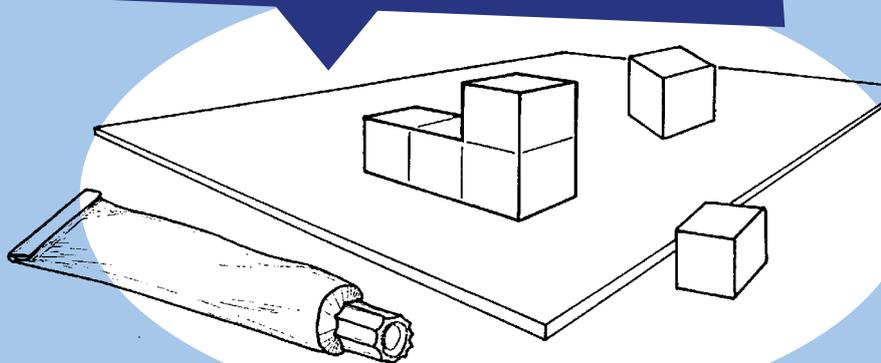


2

Building blocks

Wcyo, from the planet Xjaz has a number of 1 cm cubes. He sticks one face of the first cube on a board, then takes a second cube and sticks it to the first by one of its faces; this second cube may also be attached to the board and so on: each new cube is attached by only one of its faces to the face of one of the preceding cubes and may also have another face attached to the board. At the end Wcyo calculates that the external surface of the construction has area 30 cm².

How many cubes does the construction consist of?



Access to Wifi network IOI 2012



The wireless network covers the main public areas of the Garda Village (reception, conference hall, swimming pool, restaurant) and has SSID IOI2012. On connecting to any website a login form appears where the username and password received should be entered. The connection has unlimited duration, while individual sessions have a timeout of 5 minutes.

contact

dailynewsioi2012@gmail.com

dictionary

english italian

Hi/Hallo	Ciao
Yes	Sì
No	No
Good morning	Buongiorno
Good evening	Buona sera
Good night	Buona notte
Goodbye	Arrivederci
See you later	A dopo
Welcome	Benvenuti
Thank you	Grazie
Thank you very much	Molte grazie
You're welcome!	Prego!
Please	Per favore
Enjoy the meal!	Buon appetito
I need help	Ho bisogno di aiuto
Excuse me (to pass by)	Permesso
I am sorry	Scusa
Cheers (to toast)	Salute!
I don't speak italian	Non parlo italiano

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Thanks to Municipality of Milano