

## EDITORIAL

Dear *Cru*x readers,

With this issue, I am happy to announce our cooperation with Kvant, a popular science magazine in physics and mathematics for high school students and teachers. It has been published in Russian since 1970 and I am excited to be able to publish selected materials from it in English on the pages of *Cru*x. You can find Kvant issues dating back to 1976 here: <http://kvant.mccme.ru/>

I would also like to welcome Carmen Bruni who will be joining *Cru*x as the Olympiad Corner Editor alongside Nicolae.

Now, let me address one housekeeping issue. Unfortunately, the process of transferring files and emails from one person to another is never perfect and complete. In our case, this means that some solutions submitted before I started in this position did not quite make it into my file system. My sincere apologies to any of you who have submitted solutions and did not see them acknowledged. I believe we have managed to catch most of these missing attributions by releasing *Cru*x online before it goes to print, but we have missed some. Do not hesitate to contact me to let me know if your solution did not appear when you think it should have.

Happy reading!

Kseniya Garaschuk

### 4 and 100

Starting with number 1 in the top left corner, draw a path to the number 9 in the bottom right corner. You can move only down and to the right. Your path has to turn exactly 4 times and the total sum of the numbers on the path has to be exactly 100.

1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9

*Puzzle by L. Mochalov, Kvant, 1976 (12).*