

# Alg-LI-1

You are supposed to modify your backtracking algorithm (**The numerical square**). Differences:

**1. The numerical square now allows numbers in the range of [-5, 5]**

I modified the for loop in the computeSquare method of both classes so it goes from -5 to 5

**2. The diagonal of the square must sum 0.**

I created a checkDiag method that iterates through the square adding the elements in the diagonal and then checks if it is equal to 0. I invoke this method when I'm sure the whole square is alright

Please, use the provided test cases and execute them. How many solutions do you get now for each of the test cases? How long does it take to get the solutions for each of the test cases?

	One solution (s)	All solutions (s)	Total solutions
Test00	LoR (0,000)	LoR (0,022)	1
Test01	LoR (0,0032)	0,112	2
Test02	57,022		

I waited until the solution 321, but my algorithm was already slow so it was impossible for it to reach the expected number of solutions

Please:

- Use the package `algstudents.test` for this session in your project.
- Call the teacher when you think you finished before uploading or submitting anything.
- Commit and push your code to Github when you finish.
- Upload the code of the complete project (everything you have done during the semester) to the task that will be open on the virtual campus when you finish. Please, upload the project folder compressed in a ZIP file.