


Algorithmics	Student information	Date	Number of session
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Activity 1. The numerical square

Test case	Time for first solution	Time for all the solutions	Number of solutions found
Test00	LoR	LoR	1
Test01	LoR	LoR	12
Test02	LoR	LoR	1
Test03	161	192	3
Test04	179	133	2
Test05	255	1109	5
Test06	LoR	1146	83
Test07	425	OoT	-

I don't think the problem could be solved using any other technique because we have to explore all the possible options in order to compute the total number of solutions. Talking about the implementation of the algorithm I pruned the branches checking the rows and columns. This implementation could be improved creating a matrix of integers where each operator is represented with a unique integer so that there is no need to make a conversion from string to integer each time we want to make an operation.