Algorithmics	Student information	Date	Number of session
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Activity 1. [Pattern matching with texts]

a) Implement the algorithm in Java in such a way that it calculates for a specific text string whether the different patterns passed in the text file match the string.

Done in the algstudent.s5 package.

Name: Gonzalo

b) What is the time complexity of the algorithm? Do you think the design could be changed to improve complexity?

The time complexity of the algorithm is O(n2) as it has two for loops anidated. Both for loops are for travel through all the matrix comparing previous results.

I think that it can be done better doing each subproblem and then combining the result but im not finding a way of doing it.