Problem 1:

You are given a string, inside it check if the substring “Neuroverse” is contained in the given or not.

{allow upto O(n^2)}

Problem 2:

You have an exam, now you want to spend as less time as possible in the exam as you can. Trains arrive at this time, and this time, and this time, and so on…

Find the minimum amount of time travelling you will spend during exams

[Linear – full points, n^2 – partial]

Problem 3:

The pond is cleaned every x days. It was last cleaned p days ago. When will it be cleaned next?

Problem 4:

Find 3 elements in the array whose sum = S. [n^2 log n or lower – full points, n^3 – partial points]

Problem 5:

Raskolnikov wants to go to Semoyonova. He wants to buy as many roses as he can for Semyonovna. What is the maximum number of roses that Raskolnikov can buy for Semoyonova if he can only go down and right?