Important instruction:

- Handwritten solution will not be allowed. You need to code.

- Partial marking is available. So, try to perform as much as you can.

- you will get 2 hours in total

- Use of loop is not allowed, you need to solve recursively.

Problem 1:

Write a recursive function that takes an odd number **n** as argument, and calculate the result of the following series:

$$1^2-3^2+5^2-7^2+.....n^2$$

Problem 2:

Write a recursive function that takes an octal (integer) number as argument, and convert it into decimal.

Problem no.	Points
1	10
2	10