

# PPJ13

November 23, 2022

## 1 Problem 1

Create a recursive function which will calculate some power of a value. The function takes two arguments - number, and power.

## 2 Problem 2

create a recursive function which will calculate the sum between 0 and value given as an argument.

## 3 Problem 3

Create a function which will find the greatest common divisor of two int values given as the arguments.

## 4 Problem 4

Create a recursive function which will check, if one-dimensional array given as the argument is a palindrome (it looks the same when reading from left to right, and right to left).

## 5 Problem 5

Create a recursive function which will fill any two dimensional square array in a way that will create circles of numerical values as in example:

```
11111111
12222221
12333321
12344321
12344321
12333321
12222221
11111111
```