Task 7

Generate a system of equations (according to the scheme given in the Lab7_notes.pdf file) for a square plate. The density of node distribution n = 41, the number of nodes with unknowns is 40x40.

Solve the obtained system of linear equations by any method. Present the result in the form of a graph of the temperature distribution inside the plate.

The temperature on the edge should be taken as in the file Lab7_notes.pdf