Exercise 12a. Implement the program 'exercise_12a_fznumber' that
computes the number of flat zones of an input image:

exercise_12a_fznumber exercise_12a_input_01.txt exercise_12a_input_01.pgm exercise_12a_output_01.txt

The input file 'exercise_12a_input_01.txt' is an input file with
1 line of parameters:
-At line 1: an integer number 'connectivity' that denotes the
connectivity number employed (4 or 8, corresponding to 4-connectivity
or 8-connectivity, respectively).

The output text file 'exercise_12a_output_01.txt' should contain 1 line
with the number of flat zones (an integer number).

Note: 8-connectivity can be assumed (it is not necessary to consider
4-connectivity).

Note: internally, an auxiliary image of sufficient bit
depth (16 bits or, better, 32 bits) should be used.

To check imFlatZonesNumber:
(a) immed_gray_inv_20051218_thresh127.pgm has 55 flat zones with
8-connectivity (with 4-connectivity, the number of flat zones is also
55).
(b) the gray-level image immed_gray_inv.pgm has 12488 flat zones with
8-connectivity (with 4-connectivity, 16909 flat zones).