- 1. (Pen and paper) Consider the image depicted in the figure, which we want to binarize using a region growing algorithm. For this purpose, the detection criteria "intensity value >= 8" and aggregation criteria "intensity >= (mean-1.5)" are used.
 - a. Highlight the segmented region in the following board, indicating for each point the step of the algorithm in which it was obtained.
 - b. Discuss the possibility of obtaining the same segment through binarization based on histogram preceded by an adequate pre-processing operation.

6	6	6	5	5	6	6
6	4	3	4	4	4	7
6	4	5	6	3	4	7
5	3	6	7	6	4	5
5	3	4	8	6	4	5
5	5	4	2	3	4	5
6	5	4	4	4	4	6
7	6	6	5	5	6	7

mean = 5
aggregation criteria >= 3,5

detection aggregation