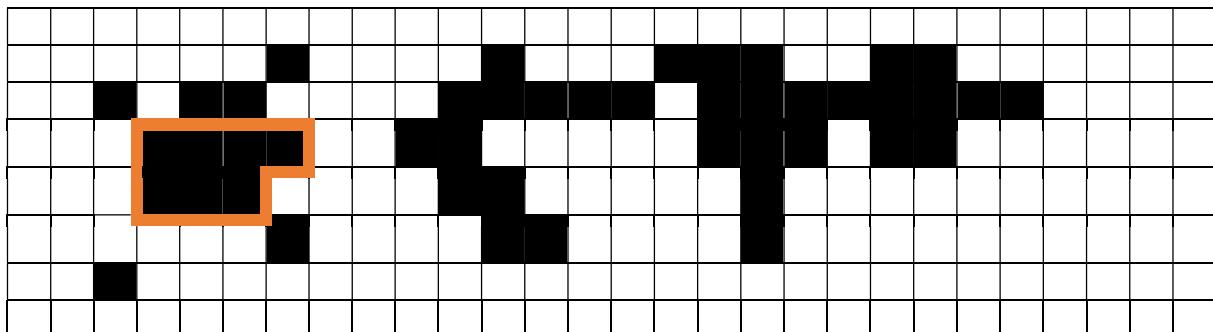


## Session 4: morphology and segmentation



1. Make the binary image shown above. Try out several structuring elements for dilation and erosion. Show the original image, image after dilation and image after erosion. Define your own structuring element and perform the same operations. Try out several methods to select only the areas defined by the pixels aligned in orange.
2. Open the image ‘broken-text.tif’. Try to replace all characters ‘o’ by ‘d’. Explain the method(s) you used.
3. Open the image ‘house.jpg’, try out different techniques to mark the lines. Explain your answers.