

## RegionGrowing

**as long as** there are non-analyzed seeds

set a threshold

get a **seed** from your array of **seed** points (use `.pop(0)`)

in the resulting image, set the pixel with the **seed** coordinates to 255

put the current **seed** in your data structure of analyzed pixels

foreach **direction** in neighborhood

calculate the current pixel coordinates from your **seed** **and** the **direction**

If current pixel is outside  
the image dimensions

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continue (next for-loop)

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If current pixel hasn't been analyzed  
**and** is below the threshold

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in the resulting image, set the current pixel to 255

integrate the current pixel to your data structure of analyzed pixels

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append the current pixel to your array of seeds (use `.append(...)`)