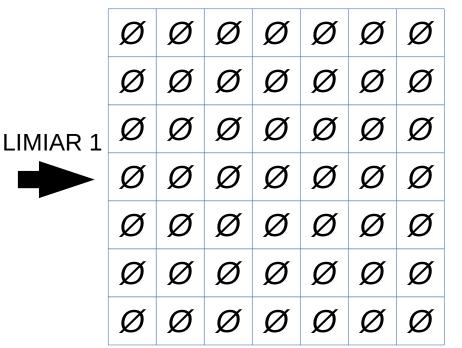
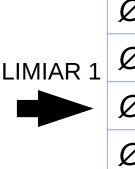
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| 0 | 2 | 3 | 0 | 6 | 5 | 0 |
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 Conversão de uma imagem para dois tons a partir de um ponto de corte (limiar)

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| 0 | 2 | 3 | 0 | 6 | 5 | 0 |
| 0 | 3 | 0 | 0 | 7 | 6 | 5 |
| 0 | 4 | 3 | 0 | 0 | 6 | 0 |
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 Conversão de uma imagem para dois tons a partir de um ponto de corte (limiar)

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| 0 | 3 | 0 | 0 | 7 | 6 | 5 |
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 Conversão de uma imagem para dois tons a partir de um ponto de corte (limiar)

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 Conversão de uma imagem para dois tons a partir de um ponto de corte (limiar)

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| 0 | 4 | 3 | 0 | 0 | 6 | 0 |
| 0 | 3 | 2 | 0 | 0 | 0 | 0 |
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| 0 | 3 | 0 | 0 | 7 | 6 | 5 |
| 0 | 4 | 3 | 0 | 0 | 6 | 0 |
| 0 | 3 | 2 | 0 | 0 | 0 | 0 |
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| 0 | 4 | 3 | 0 | 0 | 6 | 0 |
| 0 | 3 | 2 | 0 | 0 | 0 | 0 |
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| | 0 | 0 | 1 | 1 | 1 | 0 | 0 |

Relações entre pixels

| | (x-1,y) | | (x-1,y-1) | (x-1,y) | (x-1,y+1) |
|---------|---------|---------|-----------|---------|-----------|
| (x,y-1) | (x,y) | (x,y+1) | (x,y-1) | (x,y) | (x,y+1) |
| | (x+1,y) | | (x+1,y-1) | (x+1,y) | (x+1,y+1) |

Conectividade-4

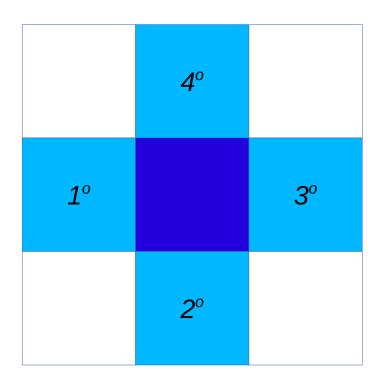
Conectividade-8

Rotulação

Atribuir rótulos diferentes para cada região da imagem

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| 0 | 1 | 1 | 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 | 1 | 1 | 1 |
| 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 |





Conectividade-4

• 1ª etapa: varrer a imagem em busca de um pixel não rotulado

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• 1ª etapa: varrer a imagem em busca de um pixel não rotulado

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• 2ª etapa: criar um novo rótulo para este pixel

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 3ª etapa: vizinhos não rotulados que tenham o mesmo valor devem receber este mesmo rótulo

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• 3ª etapa: toda vez que um vizinho não rotulado recebe o rótulo, repita esta etapa para os seus vizinhos não rotulados

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• 3ª etapa: alguns pixels podem ser adicionados na pilha de espera múltiplas vezes

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• 3ª etapa: quando não houver pixels na pilha, volte a 1ª etapa até que não haja mais pixels a serem rotulados

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• 2ª etapa

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