**TASK#2**

1. **SEQUENTIAL LABELLING ALGORITHM**

if A = O //do nothing

else if D labeled (not B labeled) and (not C labeled)

copy label to A

else if C labeled (not D labeled) and (not B labeled)

copy label to A

else if B labeled (not D labeled) and (not C labeled)

copy label to A

else if B and C labeled

if label (B) = label (c)

copy label to A

else

copy either label (B) or label (C) to A

end program

1. **REGION GROWING ALGORITHM**

Set label = random

If seed\_point != label && b == 1

Set seed\_point == label

Set neighbor\_point = seed\_point + 1

Increment neighbor\_point

While neighbor\_point not labeled and b == 1

neighbor\_point = label

increment neighbor\_point

else

end program