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

2. 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