(1435 Work - 07/05 - Past Paper Q

Fim

(13)

(A) invert (N, A)

for i in range N:

for j in range A[i]. length()

if A[i][j] == 0

A[:][j] = 1

else:

A[:][;] : 0

endif

endfor

end for end inverte)

5);) 270° \$ 270°

e.g k=5% 4=1 ii) K nod 4 concels out DARECESSING rotations 1 = 1

5.90° rates = 1 90° rately

lergh - C 102 -1 c) rotate (N, A) newArrC3 = 6

for i in range 10: N-1:

for j in range Wa N-1:

125AMEN-17[N-J-1-A[N-J-1][1]

end for:

end for return new Arr b

d) rotate (N, A) MIcropose loop i to N-1

Uflip cels/1000s loop; to N-1 c= ACIJ [j]

AC:3Ci3 = ACi3C:1

ACJICII = C

end loop endloop

reform A.

1/ welsing lows

* loop i to N-1 100p j HO N-1

c = ACi3Cj3

ACITCIS = ACITETS

A[j][+] = c end 6000 [N-1-j]

CACLOOP