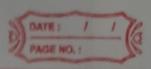


Review sheet (a) - Reverue a string -> Holding all data of a function / recurring give example management -> Evaluating expression -> paring (b) The use of 1-d array as a static stock means that the stack can become full. There are 2 ways of doing this 1 To reverse the first element of the array for stack painter which would contain the index for of the current top Element in the stack of the stack painter is stored in array[0] then its initial value will be zero. If an element is pushed now, the stack painter value increases to I and now element is stored in array [1]. A [TOP] = VALUE @ 10 the element is popped from stack, the top element in the array will be set to null and the pointer value will U rosby 12: [2] --- [N-1] istmpty () > reports if stack is Stack follows LIFO (last in first out) empty or not and returns true if Q2-) @ is Full) -> Returns true if stack is full. TOP > N-1 so true. SET = False loop for I from 0 to N-1 loop for J from 0 to N-1 if I=J then if NAT [I,J] != 0 then SET = True end if if MAT[I+1, J] != O AND MAT [J, J+1]!= O then SET = True MAT [1+1, J] = 0

MAT[], J+1] = 0

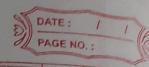
end if



if MAT [IJ] = 0 then SET - True end if end loop end leap pulput SET @ @ mystexy (MAT, 5) MAT [5][4] + mystery (MAT, 4) MAT[4][3] + mystery (MAT,3) MAT[3][2] + mystery (MAT, 2) MAT[2][1] + mystery (MAT, 1) MAT[1][0] + mystery (MAT, 0) 5+7+(-5)+9+1 1 It finds the sum of elements in the lower subdiagonal. Q20 INVALID = Falle R=0 loop while R<N and not INVALIA loop while C<N and not INVALIA if abs (R-c) >= 2 and A[R][c] !=0 or abs (R-c) <2 then and A [R][c] == 0 then JNVALID = True endif

C=C+1

end while



R=R+1

end while

return not INVALID

A MERCHANI

7-1-1

<u>i soll ni 1946</u>