Institute of Technology of Cambodia

Department of

Information and Communication Engineering (GIC)

Assignment TD3

Lecturer : Bou Channa

Subject : Algorithms and Programming (TD)

Student : Heang Sopagna

ID : e20180259

Group : GIC-A

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1) write the algorithm to check whether a number is even or odd Var num: integer Begin write ("Input the number:") read (num) If (num MOD 2 = 20) then write ("The number is even.") write ("The number is odd.") end It end @ write an algorithm to check number is positive or negative Var num: Integer write ("Input the number: ") Begin read (num) If (num >0) then write("the number is positive") else if (numzzo) then write ("the number is tero") write ("the number is negative.") end if

end

3) write algorithm to find root of quadratic equation

Vav a,b,c,: integer

d, n1, n2: Float

Begin write ("Input the value of a,b,c")

read (a)

read (b)

read (c)

d = pow(b,z) - 4 × a × c

If (d>0) then $nL_2(-b+sqrt(d))/2a$ $n2_2(-b+sqrt(d))/2a$ write ("the root of equation is nL_2 ", nL_1 u and $n2_2$ ", $n2_1$)

else If (d=z0) then

nlz-b/2a

write ("the root of equations is

nlzn2z", nl)

else write ("There are no rook")
end 17

end

Write the algorithm to Find max number among 8 numbers Var n1, n2, n3, n4, n5, n6, n7, n8, max: Integer Begin write ("Input the & numbers") read (n1) read (n2) read (n3) read(ny) read(n5) read (n6) read (n7) read (n8) max < nL If (max < n2) then max = n2 end it If (max (n3) then max & n3 end If If [max < n4] then max < n4 end 24 If (max (n5) then max + n5 end It If (max<n6) then max < no

end It

If (max < n7) then

max < n7

end If

If (max < n8) then

max < n8

end If

write lu The max number among & numbers

75: ", max)

end