**Algorithm for Gauss Jordan Method**

The argumented matrix A of order n\*(n+1) is stored using a two dimensional array named a of size n\*(n+1).The solution of the system of linear equations is stored in one dimensional array named x of size n.

1. Start
2. read : n
3. for i=1 to n by 1 do

for j=1 to (n+1) by 1 do

read : aij

endfor

endfor

1. for k=1 to n by 1 do

set temp = akk

for j=k to (n+1) by 1 do

set akj = akj/temp

endfor

for i=1 to n by 1 do

if(i!=k) then

set comm. = aik

for j=k to (n+1) by 1 do

set aij = aij – comm\*akj

endfor

endif

endfor

endfor

1. write : “Solution of equations”
2. for i=1 to n by do

write : ai(n+1)

endfor

1. Stop