for k := 1 to (n - 1) do

if id = 0 then

1.1 Find pivot A[p,i] := max {∗A[j,k]∗ : k # j # n}

1.2 Exchange the p-th row and k-th row of A

end if

WaitAtBarrier for Process 0 to finish

i := k;

i := i + id

repeat

A[i,k] := A[i,k]/A[i,i];

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

A[i,j] := A[i,j] - A[i,k]\*A[k,j];

b[i] := b[i] - A[i,k]\*b[k]

end for {j loop}

i := i + procs

until (i > n);

WaitAtBarrier for all processes to finish

end for {k loop}