```
Input: Matrix A, vector B
Output: Steps of making the
crout factorization for tridiagonal matrices and the answer to the system

Set L11 = a11; u12 = a12/L11; z1 = a1,n+1/L11
Set n = lenght of matrix A
For i = 2,..., n - 1
    Set Li,i-1 = ai,i-1
    Set Lii = aii - Li,i-1*ui-1,i
    Set ui,i+1 = ai,i+1/Lii
    Set zi = (ai,n+1 - Li,i-1*zi-1)/Lii
end for
    Set Ln,n-1 = an,n-1
    Set Ln,n = an,n - Ln,n-1*un-1,n
    Set zn = (an,n+1 - Ln,n-1*zn-1)/Ln,n
Set z = SolveSystem(L,b)
Set x = SolveSystem(U,z)
return x
end
```