

## Παράλληλη Επεξεργασία

Εργασία Εαρινού Εξαμήνου 2017-2018

### Εργασία Φοιτητών:

Σταυρούλα Δρίτσα, 6040  
dritsa@ceid.upatras.gr

Νικόλαος Ζαχαρόπουλος, 6048  
zachar@ceid.upatras.gr

Δαμιανός Ντούμη - Σιγάλας, 6157  
nsigalas@ceid.upatras.gr

## Ζητούμενο 1Α

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```
--- ./original/lif1d.c 2018-03-26 05:54:40.000000000 +0300
+++ ./1a/lif1d.c 2018-05-13 05:20:53.533563136 +0300
@@ -49,7 +49,7 @@
     double      mu;
     double      s_min;
     double      s_max;
-   double      *u, *uplus, *sigma, *omega, *omegal;
+   double      *u, *uplus, *sigma, *omega, *omegal, *temp;
     double      sum;
     double      time;
     struct timeval global_start, global_end, IO_start, IO_end;
@@ -326,8 +326,13 @@
     /*
      * Update network elements and set u[i] = 0 if u[i] > uth
      */
+
+   //CEID 1a
+   temp = uplus;
+   uplus = u;
+   u = temp;
+
     for (i = 0; i < n; i++) {
-       u[i] = uplus[i];
         if (u[i] > uth) {
             u[i] = 0.0;
         }
     }
@@ -379,4 +384,3 @@
     return 0;
 }
-
```

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```
-bash-4.2# gcc -O3 -Wall -Wextra lif1d.c -lblas
-bash-4.2# ./a.out --n 200 --r 60
```