i. O YX, XEN, OKXL, C[i][i] = a[i][x] * b[x][i] holds
. Now, when K=1, by line 8, a[i][j] = c[i][j]+a[i][1]*5[1][j].
. Now, the loop variable of K gets updated to (1+1). It's easy to see that
Yz, zen, Oxx/1+1, c[i][i]+=a[i][z]* b[x][i] holds. Loop invariant still holds
Termination: The loop terminates when $K = MAX - SIZE$. The loop terminates when $K = MAX - SIZE$. The element
of matrix a and column j of matrix b's corresponding elements. I
Loop (3) invariant the iteration when j=m, the elements of many
This before the start of to m-1, have been correctly of the property of the sense. C in row i, from indices 0 to m-1, have been correctly This indices 0 to -1 doesn't make sense. This indices 0 to -1 doesn't make sense. This indices 0 to -1 doesn't make sense.
Initialization: The loop invariant trivially holds. The loop invariant trivially holds. The loop invariant trivially holds before when j=m.:. \forall \chi, \chi \text{neans},
Maintenance: Let, the loop invariant models correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed. The matrix element of i [x] is correctly computed.
Thitialization. The loop invariant trivially holds. The loop invariant trivially holds. The loop invariant trivially holds. Maintenance: Let, the loop invariant hold just before when j=m \forall \times \foral
according to correction of the correction of the corrections of Now, i=m. On line 6, we initialize c[i][m] to 0. By corrections of Loop(K), c[i][m] = \(\int a[i][K] \times b[K][\fi] \). Loop(K), c[i][m] = \(\int a[i][K] \times b[K][\fi] \). It is matrix element c[i][\fi]
$Loop(K), C[i][m] = \angle \alpha[i][n] + b (mt].$
It's easy to see that \ta, 22N, 0\(\chi\chi(m+1)\), the matrix element c[i][x] is correctly computed.
Its early to see mounted.