

```

for( j = 0; j < n; j+=nb ){

    jb = (( nb < n-j ) ? ( nb ) : ( n-j ));

    for( k= j+jb; k < n; k+=nb ){

        kb = (( nb < n-k ) ? ( nb ) : ( n-k ));

        for( kk= 0; kk < j; kk++ )
            for( ii= k; ii < k+kb; ii++ )
                for( jj= j; jj < j+jb; jj++ )
                    A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

    }

}

for( k= j+jb; k < n; k+=nb ){

    kb = (( nb < n-k ) ? ( nb ) : ( n-k ));

    for( kk= 0; kk < j; kk++ )
        for( ii= j; ii < j+jb; ii++ )
            for( jj= k; jj < k+kb; jj++ )
                A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

}

for( kk= 0; kk < j; kk++ )

    for( ii= j; ii < j+jb; ii++ )
        for( jj= j; jj < j+jb; jj++ )
            A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

for( jj = j; jj < j+jb; jj++ ){

    for(ii = j; ii < jj; ii++)
        for(kk = j; kk < ii; kk++)
            A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

    for(ii = jj; ii < j+jb; ii++)
        for(kk = j; kk < jj; kk++)
            A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

    for( ii = jj+1; ii < j+jb; ii++ )
        A[ ii ][ jj ] /= A[ jj ][ jj ];

}

for(ii = j+jb; ii < n; ii++)

    for( jj = j; jj < j+jb; jj++ ){

        for(kk = j; kk < jj; kk++)
            A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

        A[ ii ][ jj ] /= A[ jj ][ jj ];

    }

for(jj = j+jb; jj < n; jj++)
    for( ii = j; ii < j+jb; ii++ ){
        for(kk = j; kk < ii; kk++){
            A[ ii ][ jj ] -= A[ ii ][ kk ] * A[ kk ][ jj ];

```

```

}

```