|C[x][y] = a[x][y] + b[x][y]. Matrix c correctly stores the sum of matrices a and b. attenst for its 1st proves a cals elements. a) Reverte the matrix add function using dynamically allocated arrays.

The header for the function should be: void add (int **ia, int **b, int **c, int rows, int cols) void add (int **a, int **b, int **c, int rows, int cols) MALLOC(c, rows * size of (*c)); forli=0; Krows; itt) calloc(cti], cols size of (**c)); for(i=0; knows; itt) for (i=0; i (cols; i+t) c[i][i]=a[i][i]+b[i][i]; 4) I void mult (int a[][MAX_SIZE], int b[][MAX_SIZE], int c[][MAX_SIZE]) Just Loop (K) Invariant . Before the start of the Heration for (i=0; KMAX_SIZE; Ht) when K=1, the element of for (j=0; j< MAX_SIZE; j++) ? matrix c at pow i column; stores the respective products c[i][i]=0; for (K=0; KK MAX SIZE; K++) of the 7th element of row & i cti][i]=+=a[i][K]*b[K][i]; of matrix a and ethelement of column of matrix & for all 2, CKALL, 25N Initialization: K=0. On line 7, if K=0, it indicates the state of being just before the 1st iteration of the loop, ... 1=0, the range 0x1x10 doesn't make sense. On line 6, we have already initialized 0 to clissis. Loop invariant trivially holds. Maintenance: Let, just before the iteration when K=1, the loop invariant holds.